Authorization for Credit Card Transactions

Department of Homeland Security

Form G-1450

How To Fill Out Form G-1450

1. Type or print legibly in black ink.
2. Complete the "**Applicant's/Petitioner's/Requester's Information**," "**Credit Card Billing Information**," and "**Credit Card Information**" sections and sign the authorization. **NOTE:** The credit card must be issued by a U.S. bank.
3. Place your Form G-1450 ON TOP of your application, petition, or request package.

NOTE: Failure to provide the requested information may result in DHS and your financial institution not accepting the payment. DHS cannot process credit card payments without an authorized signature.

NOTE: Please see the USCIS Form G-1450 website for additional information.

We recommend that you print or save a copy of your completed Form G-1450 to review in the future and for your records.

By completing this transaction, you agree that you have paid for a government service and that the filing fee, biometric services fee and all related financial transactions are final and not refundable, regardless of any action DHS takes on an application, petition, or request. You must submit all fees in the exact amounts. DHS will charge your credit card up to the amount you authorize below.

Please refer to the form(s) you are filing for additional information, or you may call the USCIS Customer Contact number at **1-800-375-5283**. For TTY (deaf or hard of hearing) call: **1-800-767-1833**.

Applicant's/Petitioner's/Requester's Information (Full Legal Name)		
Given Name (First Name) Nikolas	Middle Name (if any) N/A	Family Name (Last Name) DUARTE CALDEIRA BRANT

Credit Card Billing Information (Credit Card Holder's Name as it Appears on the Card)		
Given Name (First Name)	Middle Name (if any)	Family Name (Last Name)

Credit Card Holder's Billing Address:		
Street Number and Name	Apt. Ste. Flr. ☐ ☐ ☐	Number
City or Town	State	ZIP Code

Credit Card Holder's Signature and Contact Information:	
Credit Card Holder's Signature	
Credit Card Holder's Daytime Telephone Number	Credit Card Holder's Email Address

Credit Card Information		
Credit Card Number	**Credit Card Type:** ☐ Visa ☐ MasterCard ☐ American Express ☐ Discover	Authorized Payment Amount $ 715.00
Credit Card Expiration Date (mm/yyyy) CVV Code		

Authorization for Credit Card Transactions

Department of Homeland Security

Form G-1450

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Please refer to the form(s) you are filing for additional information, or you may call the USCIS Customer Contact number at **1-800-375-5283**. For TTY (deaf or hard of hearing) call: **1-800-767-1833**.

Applicant's/Petitioner's/Requester's Information (Full Legal Name)		
Given Name (First Name) Nikolas	Middle Name (if any) N/A	Family Name (Last Name) DUARTE CALDEIRA BRANT

Credit Card Billing Information (Credit Card Holder's Name as it Appears on the Card)		
Given Name (First Name)	Middle Name (if any)	Family Name (Last Name)

Credit Card Holder's Billing Address:		
Street Number and Name	Apt. Ste. Flr. ☐ ☐ ☐	Number
City or Town	State	ZIP Code

Credit Card Holder's Signature and Contact Information:	
Credit Card Holder's Signature	
Credit Card Holder's Daytime Telephone Number	Credit Card Holder's Email Address

Credit Card Information		
Credit Card Number	**Credit Card Type:** ☐ Visa ☐ MasterCard ☐ American Express ☐ Discover	Authorized Payment Amount $ 300 .00
Credit Card Expiration Date (mm/yyyy) CVV Code		

YOUSA
LAW FIRM

Employment-Based Second Preference (EB-2) Immigrant Petition with Request for National Interest Waiver

Petitioner: DUARTE CALDEIRA BRANT, Nikolas

HS Law Corp
P.O Box 90487
San Diego - CA - United States

TABLE OF CONTENTS

Petitioner: DUARTE CALDEIRA BRANT, Nikolas
Type of Petition: Form I-140, EB-2 National Interest Waiver
Classification Sought: Immigration and Nationality Act § 203(b)(2)(B)

Forms	• Form G-1450 in the amount of $715 towards I-140 filing fee. • Form G-1450 in the amount of $300 towards Asylum. Program Fee. • Form G-1145. • Form G-28. • Form I-140. • ETA-9089, including Appendix A and Final Determination.
Petition Cover Letter	• Summary of Cover Letter. • Petition Cover Letter. • Exhibit List.
Exhibit A	Resume of Mr. Nikolas Duarte Caldeira Brant.

Exhibit B
ELIGIBILITY CRITERIA: ADVANCED DEGREE PROFESSIONAL
	Advanced Degree:
	• Medical Degree from Universidade Federal de Minas Gerais (UFMG) with diploma, academic transcripts, and translation
	• Academic Credential Evaluation
	• Qualification in the Specialty of General Surgery
	• Qualification in the Specialty of Vascular Surgery
	• Medical Residency in the Specialty of Trauma Surgery
	• **Work Records:**
	  ○ Professional experience declaration from Prefeito Osvaldo Resende Franco Regional Hospital, confirming work as Vascular Surgeon.
	  ○ Professional experience letter from CEDUS, confirming work as angiologist, vascular surgeon, and vascular ultrasound/Doppler specialist.
	  ○ Professional experience letter from CISAJE, confirming services as angiologist and vascular surgeon in the public healthcare system.
	  ○ Professional experience declaration from Hospital Evangélico de Belo Horizonte, confirming work in Vascular Surgery.

	○ Professional experience declaration from Instituto Hermes Pardini, confirming arterial and venous Duplex Scan and carotid Doppler ultrasound services. ○ Professional experience records from Hospital Metropolitano Dr. Célio de Castro, confirming work as a Vascular Surgery Physician. ○ Professional experience records from Hospital Metropolitano Odilon Behrens, confirming vascular surgery residency and professional practice. ○ Professional experience letter from Serra Exames, confirming work as angiologist, vascular surgeon, and vascular ultrasound/Doppler specialist. ○ Accountant letters for ANGIOCLEAN – Clínica de Angiologia Ltda. and ANGIOLOGIA LN Ltda., confirming ownership, management, and healthcare business operations.
<u>Exhibit C</u> **NATIONAL INTEREST WAIVER**	**Exhibit C.I - First Prong: Substantial Merit and National Importance:** ● Business Plan for DFW Vascular Imaging LLC. ● Research and Government Initiatives Supporting the Proposed Endeavor. **Exhibit C.II - Second Prong: Well Positioned to Advance the Proposed Endeavor:** ● All documents listed under Exhibits B and C.I. ● Brazilian Regional Medical Council Registration ● Full member at Brazilian Society of Angiology and Vascular Surgery (SBACV) ● Additional Medical Course and Practice Certificates ● Event Participation and Lectures Delivered ● Evidence of High Salary: o Foreign Tax Return o Company Records ● Independent Expert Testimonials: o Dr. Daniel Einstoss Korman. o Dr. Fabrício Neto Ladeira. o Dr. Fernando de Assis Figueiredo Júnior.

	o Dr. Gustavo Henrique Dumont Kleinsorge. o Dr. Marcos Campos Wanderley Reis. ● Evidence of Financial Feasibility: o CDB Investment Statement o Currency Conversion
Exhibit D **PERSONAL DOCUMENTS**	● Birth Certificate and Corresponding Translation ● Passport Biographical Page ● US Visa ● Marriage Certificate and Corresponding Translation ● Derivative's Birth Certificate and Corresponding Translation ● Derivative's Passport Biographical Page ● Derivative's US Visa

e-Notification of Application/Petition Acceptance

Department of Homeland Security
U.S. Citizenship and Immigration Services

USCIS
Form G-1145

What Is the Purpose of This Form?

Use this form to request an electronic notification (e-Notification) when U.S. Citizenship and Immigration Services accepts your immigration application. This service is available for applications filed at a USCIS Lockbox facility.

General Information

Complete the information below and clip this form to the first page of your application package. You will receive one e-mail and/or text message for each form you are filing.

We will send the e-Notification within 24 hours after we accept your application. Domestic customers will receive an e-mail and/or text message; overseas customers will only receive an e-mail. Undeliverable e-Notifications cannot be resent.

The e-mail or text message will display your receipt number and tell you how to get updated case status information. It will not include any personal information. The e-Notification does not grant any type of status or benefit; rather it is provided as a convenience to customers.

USCIS will also mail you a receipt notice (I-797C), which you will receive within 10 days after your application has been accepted; use this notice as proof of your pending application or petition.

USCIS Privacy Act Statement

AUTHORITIES: The information requested on this form is collected pursuant to section 103(a) of the Immigration and Nationality Act, as amended INA section 101, et seq.

PURPOSE: The primary purpose for providing the information on this form is to request an electronic notification when USCIS accepts immigration form. The information you provide will be used to send you a text and/or email message.

DISCLOSURE: The information you provide is voluntary. However, failure to provide the requested information may prevent USCIS from providing you a text and/or email message receipting your immigration form.

ROUTINE USES: The information provided on this form will be used by and disclosed to DHS personnel and contractors in accordance with approved routine uses, as described in the associated published system of records notices [**DHS/USCIS-007 - Benefits Information System and DHS/USCIS-001 - Alien File (A-File) and Central Index System (CIS)**, which can be found at **www.dhs.gov/privacy**]. The information may also be made available, as appropriate for law enforcement purposes or in the interest of national security.

Complete this form and clip it on top of the first page of your immigration form(s).

Applicant/Petitioner Full Last Name	Applicant/Petitioner Full First Name	Applicant/Petitioner Full Middle Name
DUARTE CALDEIRA BRANT	**Nikolas**	**N/A**

Email Address	Mobile Phone Number (Text Message)
nikolasdcb@gmail.com	

Notice of Entry of Appearance as Attorney or Accredited Representative

Department of Homeland Security

DHS Form G-28
OMB No. 1615-0105
Expires 05/31/2021

Part 1. Information About Attorney or Accredited Representative

1. USCIS Online Account Number (if any)

► 0 0 7 4 9 2 6 2 5 4 3 8

Name of Attorney or Accredited Representative

2.a. Family Name (Last Name): HAVERROTH SILVA

2.b. Given Name (First Name): Otavio

2.c. Middle Name: N/A

Address of Attorney or Accredited Representative

3.a. Street Number and Name: PO Box 90487

3.b. ☐ Apt. ☐ Ste. ☐ Flr. N/A

3.c. City or Town: San Diego

3.d. State: CA **3.e.** ZIP Code: 92169
(USPS ZIP Code Lookup)

3.f. Province: N/A

3.g. Postal Code: N/A

3.h. Country: USA

Contact Information of Attorney or Accredited Representative

4. Daytime Telephone Number: 5102419336

5. Mobile Telephone Number (if any): 5102419336

6. Email Address (if any): otavio@legalhs.com

7. Fax Number (if any): N/A

Part 2. Eligibility Information for Attorney or Accredited Representative

Select **all applicable** items.

1.a. ☒ I am an attorney eligible to practice law in, and a member in good standing of, the bar of the highest courts of the following states, possessions, territories, commonwealths, or the District of Columbia. If you need extra space to complete this section, use the space provided in **Part 6. Additional Information**.

Licensing Authority: California

1.b. Bar Number (if applicable): 343486

1.c. I (select **only one** box) ☒ am not ☐ am subject to any order suspending, enjoining, restraining, disbarring, or otherwise restricting me in the practice of law. If you are subject to any orders, use the space provided in **Part 6. Additional Information** to provide an explanation.

1.d. Name of Law Firm or Organization (if applicable): HS Law Corp

2.a. ☐ I am an accredited representative of the following qualified nonprofit religious, charitable, social service, or similar organization established in the United States and recognized by the Department of Justice in accordance with 8 CFR part 1292.

2.b. Name of Recognized Organization: N/A

2.c. Date of Accreditation (mm/dd/yyyy): N/A

3. ☐ I am associated with N/A, the attorney or accredited representative of record who previously filed Form G-28 in this case, and my appearance as an attorney or accredited representative for a limited purpose is at his or her request.

4.a. ☐ I am a law student or law graduate working under the direct supervision of the attorney or accredited representative of record on this form in accordance with the requirements in 8 CFR 292.1(a)(2).

4.b. Name of Law Student or Law Graduate: N/A

Part 3. Notice of Appearance as Attorney or Accredited Representative

If you need extra space to complete this section, use the space provided in **Part 6. Additional Information**.

This appearance relates to immigration matters before (select **only one** box):

1.a. ☒ U.S. Citizenship and Immigration Services (USCIS)

1.b. List the form numbers or specific matter in which appearance is entered.

I-140 ETA-9089

2.a. ☐ U.S. Immigration and Customs Enforcement (ICE)

2.b. List the specific matter in which appearance is entered.

N/A

3.a. ☐ U.S. Customs and Border Protection (CBP)

3.b. List the specific matter in which appearance is entered.

N/A

4. Receipt Number (if any)

► N/A

5. I enter my appearance as an attorney or accredited representative at the request of the (select **only one** box):

☐ Applicant ☒ Petitioner ☐ Requestor

☐ Beneficiary/Derivative ☐ Respondent (ICE, CBP)

Information About Client (Applicant, Petitioner, Requestor, Beneficiary or Derivative, Respondent, or Authorized Signatory for an Entity)

6.a. Family Name (Last Name): DUARTE CALDEIRA BRANT

6.b. Given Name (First Name): Nikolas

6.c. Middle Name: N/A

7.a. Name of Entity (if applicable)

N/A

7.b. Title of Authorized Signatory for Entity (if applicable)

N/A

8. Client's USCIS Online Account Number (if any)

► N/A

9. Client's Alien Registration Number (A-Number) (if any)

► A- N/A

Client's Contact Information

10. Daytime Telephone Number

+55 (31) 9 8458-9510

11. Mobile Telephone Number (if any)

+55 (31) 9 8458-9510

12. Email Address (if any)

nikolasdcb@gmail.com

Mailing Address of Client

NOTE: Provide the client's mailing address. **Do not** provide the business mailing address of the attorney or accredited representative **unless** it serves as the safe mailing address on the application or petition being filed with this Form G-28.

13.a. Street Number and Name: PO Box 90487

13.b. ☐ Apt. ☐ Ste. ☐ Flr. N/A

13.c. City or Town: San Diego

13.d. State: CA **13.e.** ZIP Code: 92169

13.f. Province: N/A

13.g. Postal Code: N/A

13.h. Country

USA

Part 4. Client's Consent to Representation and Signature

Consent to Representation and Release of Information

I have requested the representation of and consented to being represented by the attorney or accredited representative named in **Part 1.** of this form. According to the Privacy Act of 1974 and U.S. Department of Homeland Security (DHS) policy, I also consent to the disclosure to the named attorney or accredited representative of any records pertaining to me that appear in any system of records of USCIS, ICE, or CBP.

Part 4. Client's Consent to Representation and Signature (continued)

Options Regarding Receipt of USCIS Notices and Documents

USCIS will send notices to both a represented party (the client) and his, her, or its attorney or accredited representative either through mail or electronic delivery. USCIS will send all secure identity documents and Travel Documents to the client's U.S. mailing address.

If you want to have notices and/or secure identity documents sent to your attorney or accredited representative of record rather than to you, please select **all applicable** items below. You may change these elections through written notice to USCIS.

1.a. ☒ I request that USCIS send original notices on an application or petition to the business address of my attorney or accredited representative as listed in this form.

1.b. ☒ I request that USCIS send any secure identity document (Permanent Resident Card, Employment Authorization Document, or Travel Document) that I receive to the U.S. business address of my attorney or accredited representative (or to a designated military or diplomatic address in a foreign country (if permitted)).

NOTE: If your notice contains Form I-94, Arrival-Departure Record, USCIS will send the notice to the U.S. business address of your attorney or accredited representative. If you would rather have your Form I-94 sent directly to you, select **Item Number 1.c.**

1.c. ☐ I request that USCIS send my notice containing Form I-94 to me at my U.S. mailing address.

Signature of Client or Authorized Signatory for an Entity

2.a. Signature of Client or Authorized Signatory for an Entity

➡ Nikolas Stuart Calderon Brant

2.b. Date of Signature (mm/dd/yyyy) 05/14/2026

Part 5. Signature of Attorney or Accredited Representative

I have read and understand the regulations and conditions contained in 8 CFR 103.2 and 292 governing appearances and representation before DHS. I declare under penalty of perjury under the laws of the United States that the information I have provided on this form is true and correct.

1. a. Signature of Attorney or Accredited Representative

1.b. Date of Signature (mm/dd/yyyy) 05/14/2026

2.a. Signature of Law Student or Law Graduate

N/A

2.b. Date of Signature (mm/dd/yyyy) N/A

Part 6. Additional Information

If you need extra space to provide any additional information within this form, use the space below. If you need more space than what is provided, you may make copies of this page to complete and file with this form or attach a separate sheet of paper. Type or print your name at the top of each sheet; indicate the **Page Number**, **Part Number**, and **Item Number** to which your answer refers; and sign and date each sheet.

1.a Family Name (Last Name): DUARTE CALDEIRA BRANT

1.b. Given Name (First Name): Nikolas

1.c. Middle Name: N/A

2.a. Page Number: N/A **2.b.** Part Number: N/A **2.c.** Item Number: N/A

2.d. N/A

3.a. Page Number: N/A **3.b.** Part Number: N/A **3.c.** Item Number: N/A

3.d. N/A

4.a. Page Number: N/A **4.b.** Part Number: N/A **4.c.** Item Number: N/A

4.d. N/A

5.a. Page Number: N/A **5.b.** Part Number: N/A **5.c.** Item Number: N/A

5.d. N/A

6.a. Page Number: N/A **6.b.** Part Number: N/A **6.c.** Item Number: N/A

6.d. N/A

Immigrant Petition for Alien Workers

Department of Homeland Security
U.S. Citizenship and Immigration Services

USCIS Form I-140
OMB No. 1615-0015
Expires 02/28/2027

For USCIS Use Only	Fee Stamp	Priority Date	Consulate	Action Block

Classification

- ☐ 203(b)(1)(A) Alien of Extraordinary Ability
- ☐ 203(b)(1)(B) Outstanding Professor or Researcher
- ☐ 203(b)(1)(C) Multinational Executive or Manager
- ☐ 203(b)(2) Member of Professions with Advanced Degree/Exceptional Ability
- ☐ 203(b)(3)(A)(i) Skilled Worker
- ☐ 203(b)(3)(A)(ii) Professional
- ☐ 203(b)(3)(A)(iii) Other Worker

Certification

- ☐ National Interest Waiver (NIW)
- ☐ Schedule A, Group I
- ☐ Schedule A, Group II

Remarks

To be completed by an Attorney or Accredited Representative (if any).	☒ Select this box if Form G-28 or Form G-28I is attached.	Attorney State Bar Number (if applicable)	Attorney or Accredited Representative USCIS Online Account Number (if any)
		343486	0 0 7 4 9 2 6 2 5 4 3 8

► **START HERE - Type or print in black ink.**

Part 1. Information About the Person or Organization Filing This Petition

If an individual is filing this petition, answer **Item Numbers 1.a. - 1.c.** If a company or organization is filing this petition, answer **Item Number 2.**

1.a. Family Name (Last Name): DUARTE CALDEIRA BRANT

1.b. Given Name (First Name): Nikolas

1.c. Middle Name: N/A

2. Company or Organization Name: N/A

Mailing Address

(USCIS ZIP Code Lookup)

3.a. In Care Of Name: Otavio Haverroth Silva

3.b. Street Number and Name: PO Box 90487

3.c. ☐ Apt. ☐ Ste. ☐ Flr. N/A

3.d. City or Town: San Diego

3.e. State: CA **3.f.** ZIP Code: 92169

3.g. Province: N/A

3.h. Postal Code: N/A

3.i. Country: USA

Other Information

4. IRS Employer Identification Number (EIN) ► N/A

5. Are you a nonprofit organized as tax exempt or a governmental research organization? ☐ Yes ☒ No

6. Do you currently employ a total of 25 or fewer full-time equivalent employees in the United States, including all affiliates or subsidiaries of this company/organization? ☒ Yes ☐ No

7. U.S. Social Security Number (SSN) (if any) ► N/A

8. USCIS Online Account Number (if any) ► N/A

Part 2. Petition Type

This petition is being filed for (select **only one** box):

1.a. ☐ An alien of extraordinary ability.

1.b. ☐ An outstanding professor or researcher.

1.c. ☐ A multinational executive or manager.

1.d. ☐ A member of the professions holding an advanced degree or an alien of exceptional ability (who is **NOT** seeking a National Interest Waiver (NIW)).

1.e. ☐ A professional (at a minimum, possessing a bachelor's degree or a foreign degree equivalent to a U.S. bachelor's degree).

Part 2. Petition Type (continued)

1.f. ☐ A skilled worker (requiring at least two years of specialized training or experience).

1.g. ☐ Any other worker (requiring less than two years of training or experience).

1.h. ☒ An alien applying for an NIW (who **IS** a member of the professions holding an advanced degree or an alien of exceptional ability).

This petition is being filed (select **only one** box):

2.a. ☐ To amend a previously filed petition.

Previous Petition Receipt Number

► N/A

2.b. ☐ For the Schedule A, Group I or II designation.

Part 3. Information About the Person for Whom You Are Filing

1.a. Family Name (Last Name): DUARTE CALDEIRA BRANT

1.b. Given Name (First Name): Nikolas

1.c. Middle Name: N/A

Mailing Address

2.a. In Care Of Name: Otavio Haverroth Silva

2.b. Street Number and Name: PO Box 90487

2.c. ☐ Apt. ☐ Ste. ☐ Flr. N/A

2.d. City or Town: San Diego

2.e. State: CA **2.f.** ZIP Code: 92169

2.g. Province: N/A

2.h. Postal Code: N/A

2.i. Country: USA

Other Information

3. Date of Birth (mm/dd/yyyy): 10/09/1983

4. City/Town/Village of Birth: Belo Horizonte

5. State or Province of Birth: Minas Gerais

6. Country of Birth: Brazil

7. Country of Citizenship or Nationality: Brazil

8. Alien Registration Number (A-Number) (if any)

► A- N/A

9. U.S. SSN (if any) ► N/A

Information About His or Her Last Arrival in the United States

If the person for whom you are filing is in the United States, provide the following information.

10. Date of Last Arrival (mm/dd/yyyy): N/A

11.a. Form I-94 Arrival-Departure Record Number

► N/A

11.b. Expiration Date of Authorized Stay Shown on Form I-94 (mm/dd/yyyy): N/A

11.c. Status on Form I-94 (for example, class of admission, or paroled, if paroled): N/A

12. Passport Number: N/A

13. Travel Document Number: N/A

14. Country of Issuance for Passport or Travel Document: N/A

15. Expiration Date for Passport or Travel Document (mm/dd/yyyy): N/A

Part 4. Processing Information

Provide the following information for the person named in **Part 3.** (select **only one** box):

1.a. ☒ Alien will apply for a visa abroad at a U.S. Embassy or U.S. Consulate at:

1.b. City or Town: Rio de Janeiro

1.c. Country: Brazil

2.a. ☐ Alien is in the United States and will apply for adjustment of status to that of lawful permanent resident.

Part 4. Processing Information (continued)

2.b. Alien's current country of residence or, if now in the United States, last country of permanent residence abroad.

Brazil

If you provided a United States address in **Part 3.**, provide the person's foreign address in **Item Numbers 3.a. - 3.f.**:

3.a. Street Number and Name: 91 Professor Arduino Bolivar

3.b. ☒ Apt. ☐ Ste. ☐ Flr. 303

3.c. City or Town: Belo Horizonte

3.d. Province: Minas Gerais

3.e. Postal Code: 30350140

3.f. Country: Brazil

If the person's native alphabet is other than Roman letters, type or print the person's foreign name and address in the native alphabet in **Item Numbers 4.a. - 5.g.**:

4.a. Family Name (Last Name): N/A

4.b. Given Name (First Name): N/A

4.c. Middle Name: N/A

Mailing Address

5.a. In Care Of Name: N/A

5.b. Street Number and Name: N/A

5.c. ☐ Apt. ☐ Ste. ☐ Flr. N/A

5.d. City or Town: N/A

5.e. Province: N/A

5.f. Postal Code: N/A

5.g. Country: N/A

If you answer "Yes" to **Item Numbers 6.a. - 10.**, provide the case number, office location, date of decision, and disposition of the decision in the space provided in **Part 11. Additional Information**.

6.a. Are you filing any other petitions or applications with this Form I-140? ☐ Yes ☒ No

6.b. If you answered "Yes" **to Item Number 6.a.**, select all applicable boxes:

- ☐ Form I-485
- ☐ Form I-131
- ☐ Form I-765
- ☐ Other (Provide an explanation in **Part 11. Additional Information**.)

7. Is the person for whom you are filing in removal proceedings? ☐ Yes ☒ No

8. Has any immigrant visa petition ever been filed by or on behalf of this person? ☐ Yes ☒ No

9. Are you filing this petition without an original labor certification because the original labor certification was previously submitted in support of another Form I-140? ☐ Yes ☒ No

10. If you are filing this petition without an original labor certification, are you requesting that U.S. Citizenship and Immigration Services (USCIS) request a duplicate labor certification from the Department of Labor (DOL)? ☐ Yes ☒ No

Part 5. Additional Information About the Petitioner

Type of petitioner (select **only one** box):

1.a. ☐ Employer

1.b. ☒ Self

1.c. ☐ Other (For example, Lawful Permanent Resident, U.S. citizen or any other person filing on behalf of the alien)

N/A

If a company or an organization is filing this petition, provide the following information:

2. Type of Business: N/A

3. Date Established (mm/dd/yyyy): N/A

4. Current Number of U.S. Employees: N/A

5. Gross Annual Income $ N/A

6. Net Annual Income $ N/A

7. NAICS Code ► N/A

8. Labor Certification DOL Case Number: N/A

Part 5. Additional Information About the Petitioner (continued)

9. Labor Certification DOL Filing Date (mm/dd/yyyy)

N/A

10. Labor Certification Expiration Date (mm/dd/yyyy)

N/A

If an individual is filing this petition, provide the following information.

11. Occupation

Vascular Surgeon

12. Annual Income $ N/A

Part 6. Basic Information About the Proposed Employment

1. Job Title

General and Operations Managers

2. SOC Code ▶ 11 - 1021

3. Nontechnical Job Description

See page 8.

4. Is this a full-time position? ☒ Yes ☐ No

5. If the answer to **Item Number 4.** is "No," how many hours per week for the position?

N/A

6. Is this a permanent position? ☒ Yes ☐ No

7. Is this a new position? ☒ Yes ☐ No

8. Wages (Specify hour, week, month, or year):

$ 110,000.00 per year

Worksite Location

For **Item Numbers 9.a. - 9.e.**, provide the address where the person will work if different from the address provided in **Part 1.**

9.a. Street Number and Name: To be determined

9.b. ☐ Apt. ☐ Ste. ☐ Flr. To be determined

9.c. City or Town: Dallas Fort Worth

9.d. State: TX **9.e.** ZIP Code: To be determined

Part 7. Information About the Spouse and All Children of the Person for Whom You Are Filing

For **Part 7.**, provide information on the spouse and all children related to the individual for whom you are filing this petition. Also, note if the individual will apply for a visa abroad or adjustment of status as the dependent of the individual for whom the petition is filed. If you need extra space to provide information about additional family members, use the space provided in **Part 11. Additional Information**.

Person 1

1.a. Family Name (Last Name): RODRIGUES ALVES

1.b. Given Name (First Name): Laura Regina

1.c. Middle Name: N/A

2. Date of Birth (mm/dd/yyyy): 08/09/1988

3. Country of Birth

Brazil

4. Relationship: Spouse

5. Is he or she applying for adjustment of status? ☐ Yes ☒ No

6. Is he or she applying for a visa abroad? ☒ Yes ☐ No

Person 2

7.a. Family Name (Last Name): ALVES CALDEIRA BRANT

7.b. Given Name (First Name): Olivia

7.c. Middle Name: N/A

8. Date of Birth (mm/dd/yyyy): 09/04/2022

9. Country of Birth

Brazil

10. Relationship: Daughter

11. Is he or she applying for adjustment of status? ☐ Yes ☒ No

12. Is he or she applying for a visa abroad? ☒ Yes ☐ No

Part 7. Information About Spouse and All Children of the Person for Whom You Are Filing (continued)

Person 3

13.a. Family Name (Last Name): ALVES CALDEIRA BRANT

13.b. Given Name (First Name): Heitor

13.c. Middle Name: N/A

14. Date of Birth (mm/dd/yyyy): 11/06/2024

15. Country of Birth: Brazil

16. Relationship: Son

17. Is he or she applying for adjustment of status? ☐ Yes ☒ No

18. Is he or she applying for a visa abroad? ☒ Yes ☐ No

Person 4

19.a. Family Name (Last Name): N/A

19.b. Given Name (First Name): N/A

19.c. Middle Name: N/A

20. Date of Birth (mm/dd/yyyy): N/A

21. Country of Birth: N/A

22. Relationship: N/A

23. Is he or she applying for adjustment of status? ☐ Yes ☐ No

24. Is he or she applying for a visa abroad? ☐ Yes ☐ No

Person 5

25.a. Family Name (Last Name): N/A

25.b. Given Name (First Name): N/A

25.c. Middle Name: N/A

26. Date of Birth (mm/dd/yyyy): N/A

27. Country of Birth: N/A

28. Relationship: N/A

29. Is he or she applying for adjustment of status? ☐ Yes ☐ No

30. Is he or she applying for a visa abroad? ☐ Yes ☐ No

Person 6

31.a. Family Name (Last Name): N/A

31.b. Given Name (First Name): N/A

31.c. Middle Name: N/A

32. Date of Birth (mm/dd/yyyy): N/A

33. Country of Birth: N/A

34. Relationship: N/A

35. Is he or she applying for adjustment of status? ☐ Yes ☐ No

36. Is he or she applying for a visa abroad? ☐ Yes ☐ No

Part 8. Contact Information, Certification, and Signature of the Petitioner or Authorized Signatory

Petitioner or Authorized Signatory's Contact Information

1.a. Petitioner's or Authorized Signatory's Family Name (Last Name)

DUARTE CALDEIRA BRANT

1.b. Petitioner's or Authorized Signatory's Given Name (First Name)

Nikolas

2. Petitioner's or Authorized Signatory's Title

N/A

3. Petitioner's or Authorized Signatory's Daytime Telephone Number

+55 (31) 9 8458-9510

4. Petitioner's or Authorized Signatory's Mobile Telephone Number (if any)

+55 (31) 9 8458-9510

5. Petitioner's or Authorized Signatory's Email Address (if any)

nikolasdcb@gmail.com

Petitioner's or Authorized Signatory's Certification and Signature

If filing this petition on behalf of an organization, I certify that I am authorized to do so by the organization:

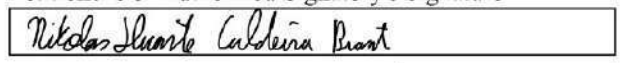
a. I reviewed and provided or authorized all of the responses and information in my petition;

b. I understood all of the responses and information contained in, and submitted with, my petition; and

c. All of the responses and information were complete, true, and correct at the time of filing

Furthermore, I authorize the release of any information from any and all of my records as authorized signatory and the petitioner's records that USCIS may need to determine the petitioner's eligibility for an immigration request and to other entities and persons where necessary for the administration and enforcement of U.S. immigration law.

6.a. Petitioner's or Authorized Signatory's Signature



6.b. Date of Signature (mm/dd/yyyy) 05/14/2026

Part 9. Interpreter's Contact Information, Certification, and Signature

Interpreter's Full Name

1.a. Interpreter's Family Name (Last Name)

N/A

1.b. Interpreter's Given Name (First Name)

N/A

2. Interpreter's Business or Organization Name

N/A

Interpreter's Contact Information

3. Interpreter's Daytime Telephone Number

N/A

4. Interpreter's Mobile Telephone Number (if any)

N/A

5. Interpreter's Email Address (if any)

N/A

Interpreter's Certification and Signature

I certify, under penalty of perjury, that I am fluent in English and N/A, and I have interpreted every question on the petition and Instructions and interpreted the petitioner's or authorized signatory's answers to the questions in that language, and the petitioner or authorized signatory informed me that they understood every instruction, question, and answer on the petition.

6.a. Interpreter's Signature

N/A

6.b. Date of Signature (mm/dd/yyyy) N/A

Part 10. Contact Information, Certification, and Signature of the Person Preparing this Petition, if Other Than the Petitioner or Authorized Signatory

Preparer's Full Name

1. Preparer's Family Name (Last Name)

HAVERROTH SILVA

Preparer's Given Name (First Name)

Otavio

2. Preparer's Business or Organization Name

HS Law Corp

Preparer's Contact Information

3. Preparer's Daytime Telephone Number

5102419336

4. Preparer's Mobile Telephone Number (if any)

5102419336

5. Preparer's Email Address (if any)

otavio@legalhs.com

Preparer's Certification and Signature

I certify, under penalty of perjury, that I prepared this petition for the petitioner or authorized signatory at their request and with express consent and that all of the responses and information contained in and submitted with the petition are complete, true, and correct and reflects only information provided by the petitioner or authorized signatory. The petitioner or authorized signatory reviewed the responses and information and informed me that they understand the responses and information in or submitted with the petition.

6. Preparer's Signature



Date of Signature (mm/dd/yyyy) 05/14/2026

Part 11. Additional Information

If you need extra space to provide any additional information within this petition, use the space below. If you need more space than what is provided, you may make copies of this page to complete and file with this petition or attach a separate sheet of paper. Type or print your name and A-Number (if any) at the top of each sheet; indicate the **Page Number**, **Part Number**, and **Item Number** to which your answer refers; and sign and date each sheet.

1. Family Name (Last Name): DUARTE CALDEIRA BRANT

Given Name (First Name): Nikolas

Middle Name: N/A

2. IRS EIN ► N/A

3.

Page Number	Part Number	Item Number
4	6	3

Manage the company's daily operations, business growth, and partnerships with healthcare providers, while overseeing staff, service quality, financial performance, and compliance with industry standards.

4.

Page Number	Part Number	Item Number
N/A	N/A	N/A

N/A

5.

Page Number	Part Number	Item Number
N/A	N/A	N/A

N/A

6.

Page Number	Part Number	Item Number
N/A	N/A	N/A

N/A

7.

Page Number	Part Number	Item Number
N/A	N/A	N/A

N/A

Employment OMB Approval: 1205-0451
Expiration Date: 02/28/2029

Application for Permanent Employment Certification
Form ETA-9089 – Final Determination: Permanent Employment Certification Approval
U.S. Department of Labor

PERMANENT EMPLOYMENT CERTIFICATION APPROVAL

A. U.S. Government Agency Use Only

Pursuant to the provisions of Sections 212(a)(5)(A) of the Immigration and Nationality Act, as amended, the Department hereby certifies that there are not sufficient workers who are able, willing, and qualified, and who will be available at the time of application for a visa and admission into the United States and place needed to fill the job opportunities for which certification is sought, and the permanent employment of the foreign worker will not adversely affect the wages and working conditions of workers in the United States similarly employed.

Therefore, by virtue of the signature below, the Department hereby acknowledges granting certification for the following *Application for Permanent Employment Certification* (Form ETA-9089):

1. DOL Case Number		2. Case Status
3. Employer Legal Business Name		4. Employer FEIN
5. Foreign Worker's Last (family) Name		
6. Foreign Worker's First (given) Name		
7. Foreign Worker's Middle Name(s)		
8. Job Title		
9. SOC Code	10. SOC Occupational Title	
Labor Certification Validity Information		
11. Filing Date	12. Determination Date	13. Expiration Date
14. Department of Labor Office of Foreign Labor Certification *(electronic signature)*		

Pursuant to 20 CFR 656, the aforementioned permanent labor certification is valid only for the job opportunity, the foreign worker, and the area of intended employment specified on the approved Form ETA-9089, including all appendices and any modifications approved by the Department. The aforementioned filing date on this approved *Application for Permanent Employment Certification*, established under 20 CFR 656.17(c), may be used as a priority date by the Department of Homeland Security and the Department of State, as appropriate. This approved *Application for Permanent Employment Certification* will expire if not filed in support of *Immigrant Petition for Alien Workers* (Form I-140) with the Department of Homeland Security by the aforementioned expiration date.

The foreign worker covered by this approved *Application for Permanent Employment Certification* has declared under Section B below, under penalty of perjury, that the foreign worker has read and reviewed every page of Appendix A for this approved Form ETA-9089, takes full responsibility for the accuracy of all information contained therein, and intends to accept permanent employment in the job opportunity specified on the approved Form ETA-9089, including all appendices, offered by the employer if granted a visa or an adjustment of status based on this permanent labor certification.

The employer covered by this approved *Application for Permanent Employment Certification* has declared under Section D below under penalty of perjury that it has read and reviewed every page of this approved Form ETA-9089, including all appendices, and takes full responsibility for the accuracy of all information contained therein and all documentation supporting this approved *Application for Permanent Employment Certification*, including any representations made by the employer's authorized preparer, agent or attorney, as applicable.

OMB Approval: 1205-0451
Expiration Date:02/28/2029

Application for Permanent Employment Certification
Form ETA-9089 – Final Determination: Permanent Labor Certification Approval
U.S. Department of Labor

B. Foreign Worker Declaration

I declare under penalty of perjury that I have read and reviewed all information contained in Appendix A of this approved Form ETA-9089, and that to the best of my knowledge the information contained therein is true and accurate. *I understand that to knowingly and/or willfully furnish materially false information in the preparation of this form and any supplement thereto or to aid, abet, or counsel another to do so is a federal offense punishable by fines, imprisonment, or both (18 U.S.C. 2, 1001, 1546, 1621).*

I further declare that I am the person identified under Section A, Fields 5, 6, and 7 above. I did not participate in any activities involving the interviewing or consideration of U.S. workers and intend to accept permanent employment in the job opportunity specified on this approved Form ETA-9089, including all appendices, offered by the employer if granted a visa or an adjustment of status based on this permanent labor certification.

1. Signature *	2. Date Signed *
Nikolas Stuart Caldeira Brant	05/14/2026

C. Attorney or Agent Declaration

I declare under penalty of perjury that I am an attorney for the employer, or that I am an employee of, or hired by, the employer listed in Section C of the Form ETA-9089, and that I have been designated by that employer in accordance with 20 CFR 656.10(b) to act on its behalf in connection with this application.

I hereby certify that I have provided to the employer the entire Form ETA-9089, appendices, and all supporting documentation for review and to the best of my knowledge the information contained herein is true and accurate, including the employer's declaration regarding activities that I have undertaken on the employer's behalf in connection with this application. *I understand that to knowingly and/or willfully furnish materially false information in the preparation of this form and any supplement hereto or to aid, abet, or counsel another to do so is a federal offense punishable by fines, imprisonment, or both (18 U.S.C. 2, 1001, 1546, 1621).*

1. Attorney or Agent's Last (family) Name *	2. First (given) Name *	3. Middle Initial §
HAVERROTH SILVA	Otavio	N/A
4. Firm/Business Name §		
HS Law Corp		
5. Signature *		6. Date Signed *
		05/14/2026

D. Employer Declaration

I hereby designate the agent or attorney identified in Section C (if any) of the Form ETA-9089 to represent me for the purpose of labor certification and, by virtue of my signature in Field 5 below, **I take full responsibility** for the accuracy of any representations made by my agent or attorney, and my designated preparer identified in Section C above, on every page of the Form ETA-9089, including all appendices, and documentation supporting this application.

I declare under penalty of perjury that I have read and reviewed this application, including every page of the Form ETA-9089, appendices, and supporting documentation, and that to the best of my knowledge the information contained therein is true and accurate. *I understand that to knowingly and/or willfully furnish materially false information in the preparation of this form and any supplement thereto or to aid, abet, or counsel another to do so is a federal offense punishable by fines, imprisonment, or both (18 U.S.C. 2, 1001, 1546, 1621).*

1. Last (family) Name *	2. First (given) Name *	3. Middle Initial §
4. Title *		
5. Signature *		6. Date Signed *

For Public Burden Statement, see the Instructions for Form ETA-9089.

PERM Case Number: _____ Case Status: _____ Determination Date: _____ Expiration Date: _____

OMB Approval: 1205-0451
Expiration Date:02/28/2029

Application for Permanent Employment Certification
Form ETA-9089 – Appendix A: Foreign Worker Information
U.S. Department of Labor

FOREIGN WORKER INFORMATION

A. Foreign Worker Contact Information

1. Foreign Worker's Last (family) Name * DUARTE CALDEIRA BRANT		
2. Foreign Worker's First (given) Name * Nikolas		
3. Foreign Worker's Middle Name(s) * N/A		
4. Address 1 *(current)* * 91 Professor Arduino Bolivar St		
5. Address 2 *(apartment/suite/floor and number)* ***§*** Apt 303		
6. City * Belo Horizonte	7. State * N/A	8. Postal Code * 30350140
9. Country * Brazil	10. Province ***§*** Minas Gerais	
11. Date of Birth *(mm/dd/yyyy)* * 10/09/1983	12. Class of Admission * N/A	13. Alien Registration Number (A#) (if applicable) * N/A
14. Country of Birth * Brazil		
15. Country of Citizenship or Nationality * Brazil		

B. Foreign Worker Education §

a. Educational Attainment Information 1

1. Education: U.S. Diploma/Degree attained relevant to the job opportunity ☐ None ☐ High School/GED ☐ Associate ☐ Bachelor's ☐ Master's ☐ Doctorate (PhD) ■ Other Degree (JD, MD, etc.)	
1a. If "Other Degree" in question 1, specify the diploma/degree attained Specialization	
1b. Specify major(s) and/or field(s) of study (may list more than one related major and more than one field) Vascular Surgery	
1c. Name of Institution that issued the degree/diploma Regional Council of Medicine of the State of Minas Gerais	
1d. Name of Country of institution identified in question 1c Brazil	1e. Month/year attained (*mm/yyyy*) 03/2018

b. Educational Attainment Information 2

1. Education: U.S. Diploma/Degree attained relevant to the job opportunity ☐ None ☐ High School/GED ☐ Associate ☐ Bachelor's ☐ Master's ☐ Doctorate (PhD) ■ Other Degree (JD, MD, etc.)	
1a. If "Other Degree" in question 1, specify the diploma/degree attained Specialization	
1b. Specify major(s) and/or field(s) of study (may list more than one related major and more than one field) Trauma Surgery	
1c. Name of Institution that issued the degree/diploma Hospital Joao XXIII	
1d. Name of Country of Institution identified in question 1c Brazil	1e. Month/year attained (*mm/yyyy*) 03/2016

PERM Case Number: _____ Case Status: _____ Determination Date: _____ Expiration Date: _____

***B. Foreign Worker Education** (continued)*

c. Educational Attainment Information 3

1. Education: U.S. Diploma/Degree attained relevant to the job opportunity ☐ None ☐ High School/GED ☐ Associate ☐ Bachelor's ☐ Master's ☐ Doctorate (PhD) ■ Other Degree (JD, MD, etc.)
1a. If "Other Degree" in question 1, specify the diploma/degree attained Specialization
1b. Specify major(s) and/or field(s) of study (may list more than one related major and more than one field) General Surgery
1c. Name of Institution that issued the degree/diploma Regional Council of Medicine of the State of Minas Gerais

1d. Name of Country of Institution identified in question 1c	1e. Month/year attained (*mm/yyyy*)
Brazil	01/2016

d. Educational Attainment Information 4

1. Education: U.S. Diploma/Degree attained relevant to the job opportunity ☐ None ☐ High School/GED ☐ Associate's ■ Bachelor's ☐ Master's ☐ Doctorate (PhD) ☐ Other Degree (JD, MD, etc.)
1a. If "Other Degree" in question 1, specify the diploma/degree attained
1b. Specify major(s) and/or field(s) of study (may list more than one related major and more than one field) Medicine (M.D.)
1c. Name of Institution that issued the degree/diploma Universidade Federal de Minas Gerais (UFMG)

1d. Name of Country of Institution identified in question 1c	1e. Month/year attained (*mm/yyyy*)
Brazil	04/2011

e. Educational Attainment Information 5

1. Education: U.S. Diploma/Degree attained relevant to the job opportunity ☐ None ☐ High School/GED ☐ Associate's ☐ Bachelor's ☐ Master's ☐ Doctorate (PhD) ☐ Other Degree (JD, MD, etc.)
1a. If "Other Degree" in question 1, specify the diploma/degree attained
1b. Specify major(s) and/or field(s) of study (may list more than one related major and more than one field)
1c. Name of Institution that issued the degree/diploma

1d. Name of Country of Institution identified in question 1c	1e. Month/year attained (*mm/yyyy*)

C. Foreign Worker Training Qualifications §

a. Training, Certification(s), and/or License(s) Information 1

1. Name of Institution/School/Training provider Regional Medical Council (CRM - Brazil)
1a. Name of training, coursework, experience received Professional License

1b. Training/Certifications/licenses attained (if applicable) License number: 54706		
1c. Start date of training (*mm/yyyy*)	1d. End date of training (*mm/yyyy*)	1e. Month/year awarded (*mm/yyyy*) 09/2011

b. Training, Certification(s), and/or License(s) Information 2

1. Name of Institution/School/Training provider Brazilian Medical Association (AMB), Brazilian Society of Angiology and Vascular Surgery (SBACV) and Brazilian College of Radiology and Diagnostic Imaging (CBR)		
1a. Name of training, coursework, experience received Specialist Certification in Vascular Surgery and Vascular Ultrasound (AMB)		
1b. Training/Certifications/Licenses attained (if applicable)		
1c. Start date of training (*mm/yyyy*)	1d. End date of training (*mm/yyyy*)	1e. Month/year awarded (*mm/yyyy*) 12/2020

c. Training, Certification(s), and/or License(s) Information 3

1. Name of Institution/School/Training provider Brazilian Society of Angiology and Vascular Surgery (SBACV)		
1a. Name of training, coursework, experience received Full Member		
1b. Training/certifications/licenses attained (if applicable)		
1c. Start date of training (*mm/yyyy*)	1d. End date of training (*mm/yyyy*)	1e. Month/year awarded (*mm/yyyy*) 04/2017

D. Foreign Worker Training Qualifications §

a. Skills, Abilities, and Proficiencies 1

1. Name of Employer/Institution/School/Training Provider	
1a. Country	1b. State, Territory, or Province
1c. Description of specific skills, abilities, and/or proficiencies the foreign worker possesses or attained, which help establish whether the foreign worker meets the requirements identified for the job opportunity *(up to 1,500 characters)*	

b. Skills, Abilities, and Proficiencies 2

1. Name of Employer/Institution/School/Training Provider	
1a. Country	1b. State, Territory, or Province
1c. Description of specific skills, abilities, and/or proficiencies the foreign worker possesses or attained, which help establish whether the foreign worker meets the requirements identified for the job opportunity *(up to 1,500 characters)*	

E. Foreign Worker Work Experience §

a. Work Experience 1

1. Employer Name			
Hospital Odilon Behrens			
1a. Address 1			
50 Formiga St			
1b. Address 2			
N/A			
1c. City or Town			1d. Postal Code
Belo Horizonte			31110430
1e. Country		1f. State, Territory, or Province	
Brazil		Minas Gerais	
1g. Job Title			
Vascular Surgeon			
1h. Start Date *(mm/yyyy)*	1i. End Date *(mm/yyyy)*	1j. Present	1k. Hours Worked Per Week
01/2024	Present	■ Yes ☐ No	N/A

1l. Job Duties: Specify details of the job (work tasks performed, use of tools/equipment, supervision, etc.) (*up to 3,500 characters*)

Perform vascular surgery procedures in a public hospital environment, participating in high-complexity case management and multidisciplinary decision-making. Previously trained in the institution's vascular surgery residency program, demonstrating early clinical autonomy and advanced technical proficiency.

For Public Burden Statement, see the Instructions for Form ETA-9089.

OMB Approval: 1205-0451
Expiration Date: 02/28/2029

Application for Permanent Employment Certification
Form ETA-9089 – Appendix C: Supplemental Information
U.S. Department of Labor

SUPPLEMENTAL INFORMATION

A. Supplemental Information 1 §

1. Section and Item Number	C	1a. Section Name or Category of Supplemental Information	**Foreign Worker Training Qualifications**

1b. Supplemental Information. *(up to 1,500 characters)*

Training, Certification(s), and/or License(s) Information
Name of institution: American College of Surgeons
Name of training/certificate: Advanced Trauma Life Support (ATLS)
Month/year awarded: 05/2015

B. Supplemental Information 2 §

1. Section and Item Number	C	1a. Section Name or Category of Supplemental Information	**Foreign Worker Training Qualifications**

1b. Supplemental Information. *(up to 1,500 characters)*

Training, Certification(s), and/or License(s) Information
Name of institution: American Heart Association
Name of training/certificate: Advanced Cardiovascular Life Support (ACLS)
Month/year awarded:

For Public Burden Statement, see the Instructions for Form ETA-9089.

OMB Approval: 1205-0451
Expiration Date: 02/28/2029

SUPPLEMENTAL INFORMATION

A. Supplemental Information 1 §

1. Section and Item Number	C	1a. Section Name or Category of Supplemental Information	**Foreign Worker Training Qualifications**

1b. Supplemental Information. *(up to 1,500 characters)*

Training, Certification(s), and/or License(s) Information
Name of institution: SBACV–MG
Name of training/certificate: International Symposium of Phlebology
Month/year awarded: 2017 and 2019

B. Supplemental Information 2 §

1. Section and Item Number	C	1a. Section Name or Category of Supplemental Information	**Foreign Worker Training Qualifications**

1b. Supplemental Information. *(up to 1,500 characters)*

Training, Certification(s), and/or License(s) Information
Name of institution: Fluxo
Name of training/certificate: Brazilian Congress of Vascular Ultrasound
Month/year awarded: 12/2020

For Public Burden Statement, see the Instructions for Form ETA-9089.

OMB Approval: 1205-0451
Expiration Date: 02/28/2029

SUPPLEMENTAL INFORMATION

A. Supplemental Information 1 §

1. Section and Item Number	C	1a. Section Name or Category of Supplemental Information	**Foreign Worker Training Qualifications**

1b. Supplemental Information. *(up to 1,500 characters)*

Training, Certification(s), and/or License(s) Information
Name of institution: EVVAS
Name of training/certificate: Foam Sclerotherapy, Transdermal Laser and Vasculas Imaging
Month/year awarded: 07/2018

B. Supplemental Information 2 §

1. Section and Item Number	E	1a. Section Name or Category of Supplemental Information	**Foreign Worker Work Experience**

1b. Supplemental Information. *(up to 1,500 characters)*

Work Experience
Name of Employer: Hospital Life Center
Address of Employer: 4747 Contorno Ave. Belo Horizonte – Minas Gerais/Brazil 30110-921
Job title: Vascular Surgeon
Start date – End date: 01/2018 – 12/2024
Job duties: Provided vascular surgical care in private hospital setting, managing patients across diagnostic, interventional, and post-operative stages.

For Public Burden Statement, see the Instructions for Form ETA-9089.

OMB Approval: 1205-0451
Expiration Date: 02/28/2029

SUPPLEMENTAL INFORMATION

A. Supplemental Information 1 §

1. Section and Item Number	E	1a. Section Name or Category of Supplemental Information	**Foreign Worker Work Experience**

1b. Supplemental Information. *(up to 1,500 characters)*

Work Experience
Name of Employer: Hospital Metropolitano Dr. Celio de Castro
Address of Employer: 311 Dona Luiza St. Belo Horizonte – Minas Gerais/Brazil 30620-090
Job title: Vascular Surgeon
Start date – End date: 01/2018 – 12/2023
Job duties: Acted in a high-demand public hospital, contributing to surgical management of vascular diseases and complex clinical cases.

B. Supplemental Information 2 §

1. Section and Item Number	E	1a. Section Name or Category of Supplemental Information	**Foreign Worker Work Experience**

1b. Supplemental Information. *(up to 1,500 characters)*

Work Experience
Name of Employer: Hospital Metropolitano Prefeito Osvaldo Rezende Franco
Address of Employer: 3800 Edmeia Matos Ave. Betim – Minas Gerais/Brazil 32671-602
Job title: Vascular Surgeon
Start date – End date: 01/2018 – 12/2019
Job duties: Delivered vascular surgical care in a regional public hospital, supporting access to specialized treatment.

For Public Burden Statement, see the Instructions for Form ETA-9089.

OMB Approval: 1205-0451
Expiration Date: 02/28/2029

SUPPLEMENTAL INFORMATION

A. Supplemental Information 1 §

1. Section and Item Number	E	1a. Section Name or Category of Supplemental Information	**Foreign Worker Work Experience**

1b. Supplemental Information. *(up to 1,500 characters)*

Work Experience
Name of Employer: UPA Justinopolis
Address of Employer: 600 Denise Cristina da Rocha Ave. Ribeirao das Neves – Minas Gerais/Brazil 33940–010
Job title: General Surgeon
Start date – End date: 01/2014 – 12/2018
Job duties: Managed high–volume emergency and surgical cases, including acute vascular conditions requiring rapid interventions.

B. Supplemental Information 2 §

1. Section and Item Number	E	1a. Section Name or Category of Supplemental Information	**Foreign Worker Work Experience**

1b. Supplemental Information. *(up to 1,500 characters)*

Work Experience
Name of Employer: N/A
Address of Employer: Pedro Leopoldo – Minas Gerais/Brazil
Job title: Family Health Physician
Start date – End date: 08/2011 – 12/2012
Job duties: Delivered primary care services focused on prevention, early diagnosis and community health management.

For Public Burden Statement, see the Instructions for Form ETA-9089.

OMB Approval: 1205-0451
Expiration Date: 02/28/2029

SUPPLEMENTAL INFORMATION

A. Supplemental Information 1 §

1. Section and Item Number	**E**	1a. Section Name or Category of Supplemental Information	**Foreign Worker Work Experience**

1b. Supplemental Information. *(up to 1,500 characters)*

Work Experience
Name of Employer: Hermes Pardini
Address of Employer: 66 Aimores St. Belo Horizonte – Minas Gerais/Brazil 30140-070
Job title: Doppler Ultrasound Specialist (Duplex Scan)
Start date – End date: 01/2019 – Present
Job duties: Perform and interpret vascular imaging exams essential for diagnosis and treatment planning, contributing to clinical and procedural safety.

B. Supplemental Information 2 §

1. Section and Item Number	**E**	1a. Section Name or Category of Supplemental Information	**Foreign Worker Work Experience**

1b. Supplemental Information. *(up to 1,500 characters)*

Work Experience
Name of Employer: CISaJE – CEM and CEA)
Address of Employer: Diamantina – Minas Gerais/Brazil
Job title: Physician
Start date – End date: 01/2019 – Present
Job duties: Provide outpatient vascular care within the public healthcare system, including clinical evaluation, diagnostic assessment, and treatment planning for patients with vascular conditions. Contributes to expanding access to specialized vascular services in underserved regions.

For Public Burden Statement, see the Instructions for Form ETA-9089.

SUPPLEMENTAL INFORMATION

A. Supplemental Information 1 §

1. Section and Item Number	E	1a. Section Name or Category of Supplemental Information	**Foreign Worker Work Experience**

1b. Supplemental Information. *(up to 1,500 characters)*

Work Experience
Name of Employer: Clinica da Serra
Address of Employer: 150 Artur Queiroga St. Diamantina – Minas Gerais/Brazil 39100-000
Job title: Vascular Surgeon / Angiologist / Doppler Ultrasound Specialist (Duplex Scan)
Start date – End date: 01/2018 – Present
Job duties: Perform vascular procedures and clinical management, with emphasis on minimally invasive treatments and outpatient care expansions.

B. Supplemental Information 2 §

1. Section and Item Number	E	1a. Section Name or Category of Supplemental Information	**Foreign Worker Work Experience**

1b. Supplemental Information. *(up to 1,500 characters)*

Work Experience
Name of Employer: CEDUS
Address of Employer: 836 Barbacena Ave. Belo Horizonte – Minas Gerais/Brazil 30190-134
Job title: Doppler Ultrasound Specialist (Duplex Scan)
Start date – End date: 01/2018 – Present

For Public Burden Statement, see the Instructions for Form ETA-9089.

SUMMARY OF COVER LETTER
Petitioner: **Nikolas Duarte Caldeira Brant ("Mr. Brant")**
Type of Petition: **I-140, EB-2 National Interest Waiver**
Classification Sought: **INA §Act 203(b)(2)(B)**

This petition is submitted on behalf of Mr. Nikolas Duarte Caldeira Brant, a highly qualified medical professional with extensive experience in vascular medicine, general surgery, trauma surgery, vascular surgery, and non-invasive vascular diagnostic imaging (Exhibit A; Exhibit B.II). He qualifies for the EB-2 classification as a professional holding an advanced degree because his foreign academic credentials have been evaluated as equivalent to a U.S. Doctor of Medicine (M.D.), together with graduate-level study in General Surgery, Trauma Surgery, and Vascular Surgery (Exhibit B.I). His professional trajectory includes substantial experience in vascular ultrasound, Doppler-based diagnostics, duplex imaging, arterial and venous assessments, carotid evaluation, public and private hospital practice, diagnostic center operations, and medical service management. This background directly supports the proposed endeavor he seeks to advance in the United States through DFW Vascular Imaging LLC (Exhibit C.I).

Mr. Brant's proposed endeavor is to provide efficient, accessible, and high-quality non-invasive vascular imaging services through a service delivery model that integrates fixed diagnostic operations with mobile healthcare solutions. The endeavor is designed to enhance access to care, reduce delays in diagnostic processes, and improve clinical outcomes by enabling faster and more reliable vascular assessments. Through this model, Mr. Brant will support physicians, outpatient clinics, nursing homes, assisted living facilities, and home health agencies in accessing specialized diagnostic services in a timely and efficient manner. DFW Vascular Imaging LLC will serve as the implementation vehicle for this endeavor, not as the endeavor itself (Exhibit C.I).

Mr. Brant's petition seeks a waiver of the job offer and labor certification requirements under *Matter of Dhanasar*, 26 I&N Dec. 884 (AAO 2016), because his qualifications and proposed endeavor satisfy the three-prong test for a National Interest Waiver:

1. **Substantial Merit and National Importance:** The proposed endeavor advances healthcare access, preventive vascular diagnostics, early disease detection, and healthcare system efficiency by expanding access to timely, non-invasive vascular imaging services for high-risk and underserved populations across multiple care settings (Section 3.1).
2. **Well Positioned to Advance the Proposed Endeavor:** Mr. Brant's advanced medical education, vascular surgery training, diagnostic imaging expertise, healthcare operations background, entrepreneurial experience, financial capacity, and expert testimonials demonstrate that he is well positioned to implement the proposed fixed-and-mobile vascular imaging model (Section 3.2).
3. **Benefit of Waiving the Job Offer and Labor Certification Requirements:** The proposed endeavor is entrepreneurial, self-directed, and designed to serve multiple healthcare providers rather than a single employer. Waiving the job offer and labor certification requirements will allow Mr. Brant to build provider partnerships, coordinate mobile diagnostic operations, create U.S. jobs, and expand access to specialized vascular imaging services (Section 3.3).

Considering these factors, Mr. Nikolas Duarte Caldeira Brant meets the requirements for EB-2 classification and satisfies all three prongs of the National Interest Waiver framework established in *Matter of Dhanasar*. We respectfully request a thorough review of the enclosed cover letter and supporting documentation. Based on the record submitted, favorable adjudication of this Form I-140 petition is respectfully requested.

Thank you for your attention to this matter.

Sincerely,



Otavio Haverroth Silva
California Bar # 343486

May 16, 2026.

VIA USPS

USCIS
Attn: I-140
P.O. Box 660128
Dallas, TX 75266-0128

Ref: I-140 Immigrant Visa Self-Petition of Mr. Nikolas Duarte Caldeira Brant – Request for National Interest Waiver under the EB-2 Classification

Dear Immigration Officer,

Our firm represents Mr. Nikolas Duarte Caldeira Brant, hereinafter "Mr. Brant" or "the Petitioner," in his I-140 Immigrant Visa Self-Petition under the EB-2 category. We respectfully request his classification as a professional holding an advanced degree and further seek a waiver of the job offer and labor certification requirements pursuant to a National Interest Waiver under section 203(b)(2)(B)(i) of the Immigration and Nationality Act and the analytical framework established in *Matter of Dhanasar*, 26 I&N Dec. 884 (AAO 2016).

Mr. Brant is a highly qualified medical professional with extensive experience in vascular medicine, general surgery, trauma surgery, vascular surgery, and non-invasive vascular diagnostic imaging. His academic credentials have been evaluated as equivalent to a U.S. Doctor of Medicine (M.D.), together with graduate-level study in General Surgery, Trauma Surgery, and Vascular Surgery. Over the course of his professional career, Mr. Brant has developed substantial expertise in vascular ultrasound, Doppler-based diagnostics, duplex imaging, arterial and venous assessments, carotid evaluation, and the clinical management of patients with complex vascular conditions.

Mr. Brant's proposed endeavor is to provide efficient, accessible, and high-quality non-invasive vascular imaging services through a service delivery model that integrates fixed diagnostic operations with mobile healthcare solutions. This model is designed to enhance access to care, reduce delays in diagnostic processes, and improve clinical outcomes by enabling faster and more reliable vascular assessments. Through this proposed endeavor, Mr. Brant will support physicians, outpatient clinics, nursing homes, assisted living facilities, and home health agencies in accessing specialized diagnostic services in a timely and efficient manner. The mobile component represents a key differentiator, allowing the model to expand access to underserved populations and reduce logistical barriers associated with traditional hospital-based diagnostic systems.

The mechanism for implementing this proposed endeavor is the creation and operation of DFW Vascular Imaging LLC, a specialized healthcare services company through which Mr. Brant intends to structure, operationalize, and scale the proposed fixed-and-mobile vascular imaging model in the United States. The company will initially focus on the Dallas-Fort Worth, Texas region, while

maintaining a scalable operational structure designed to expand service capacity, provider partnerships, and mobile diagnostic access over time.

Mr. Brant's proposed endeavor addresses a documented and growing need within the U.S. healthcare system: **timely access to specialized vascular diagnostic services, particularly for elderly, high-risk, and underserved patient populations**. Delays in vascular imaging may affect the early detection and management of conditions such as peripheral arterial disease, carotid artery stenosis, deep vein thrombosis, chronic venous insufficiency, and other vascular disorders associated with serious complications, including stroke, pulmonary embolism, limb-threatening ischemia, avoidable hospitalizations, and high-cost interventions. By expanding access to non-invasive vascular assessments through a decentralized service model, Mr. Brant's endeavor is positioned to support preventive care, improve diagnostic efficiency, and contribute to broader healthcare system effectiveness.

Once Mr. Brant's eligibility for EB-2 classification is established, this petition will demonstrate, under the three-prong framework set forth in *Matter of Dhanasar*, that:

- His proposed endeavor has substantial merit and national importance because it supports healthcare access, preventive vascular diagnostics, earlier disease detection, decentralized diagnostic capacity, and improved efficiency in the delivery of vascular imaging services;
- He is well-positioned to advance the proposed endeavor based on his advanced medical education, specialized training in general, trauma, and vascular surgery, extensive experience with vascular ultrasound and Doppler-based diagnostics, record of service across hospitals, diagnostic centers, and public healthcare settings, entrepreneurial background in medical service companies, and support from senior medical professionals familiar with his work; and
- On balance, it would benefit the United States to waive the requirements of a job offer and labor certification because the proposed endeavor is entrepreneurial and self-directed, depends on the development of provider partnerships and mobile diagnostic capacity, and is structured to create U.S. healthcare-related jobs while improving access to specialized diagnostic services across multiple care settings.

The evidence enclosed with this petition will establish, **by a preponderance of the evidence**, that Mr. Brant's contributions will serve the national interest of the United States and satisfy all elements of the EB-2 NIW standard.

1. THE EB-2 CLASSIFICATION

1.1 ADVANCED DEGREE

According to the USCIS Policy Manual, Volume 6, Part F, Chapter 5, an advanced degree is defined as "any U.S. academic or professional degree or a foreign equivalent degree above that of baccalaureate." USCIS further provides that a beneficiary may satisfy the advanced degree requirement by holding a U.S. master's degree or higher, or a foreign degree evaluated to be the equivalent of a U.S. master's degree or higher[1]. The regulation at 8 C.F.R. § 204.5(k)(2) likewise recognizes an advanced degree as a United States academic or professional degree above the baccalaureate level, or a foreign equivalent degree.

[1] https://www.uscis.gov/policy-manual/volume-6-part-f-chapter-5

In this case, the Petitioner satisfies the EB-2 advanced degree requirement because his foreign academic credentials have been evaluated as equivalent to a **Doctor of Medicine (M.D.)** degree in the United States, together with one year of graduate study in General Surgery, one year of graduate study in Trauma Surgery, and one year of graduate study in Vascular Surgery.

Mr. Brant earned his medical degree from the **Universidade Federal de Minas Gerais (UFMG)**[2] in July 2011, after completing a six-year medical program in Brazil. The academic evaluation confirms that his degree from UFMG is comparable to a first professional degree in medicine in the United States, namely a **Doctor of Medicine (M.D.)** degree. The evaluation further explains that his medical curriculum included extensive coursework and clinical training in core areas of medicine, including anatomy, biochemistry, physiology, pathology, pharmacology, radiology, surgical technique, internal medicine, gynecology and obstetrics, infectious diseases, occupational health, medical ethics, and other medical disciplines directly relevant to professional medical practice.

Following his medical degree, Mr. Brant completed advanced postgraduate medical training in surgical specialties directly related to his proposed professional activities. His credentials include specialization in General Surgery, a medical residency in Trauma Surgery, and specialization in Vascular Surgery. The academic evaluation determined that these programs are comparable to graduate-level study in the United States, specifically one year of graduate study in General Surgery, one year of graduate study in Trauma Surgery, and one year of graduate study in Vascular Surgery.

These credentials are directly aligned with the professional field through which Mr. Brant intends to advance his proposed endeavor in the United States. His intended professional context is within healthcare, medical diagnostics, vascular imaging, and non-invasive vascular diagnostic services. USCIS recognizes that the intended occupation underlying an EB-2 NIW petition must qualify as a profession, and the Policy Manual expressly notes that "physicians" and "surgeons" are among the occupations listed under INA § 101(a)(32).

Here, the Petitioner's academic and professional background is not merely generally related to healthcare. It is specifically tied to the field of vascular medicine and diagnostic imaging. His proposed endeavor involves the provision of efficient, accessible, and high-quality non-invasive vascular imaging services through a model integrating fixed diagnostic operations with mobile healthcare solutions. This endeavor draws directly upon his medical education, surgical training, vascular surgery specialization, and experience with vascular ultrasound and Doppler-based diagnostic methods.

[2] Universidade Federal de Minas Gerais (UFMG) is a Brazilian federal public university and one of the country's leading institutions of higher education and research. Unlike the U.S. context, where many highly selective universities are private, Brazil's federal public universities are tuition-free, publicly funded, and often among the most prestigious and competitive institutions in the country. Admission is generally based on a competitive entrance examination, known as the *"vestibular"* (a university entrance examination), through which applicants compete for a limited number of seats in a specific program. This context is particularly relevant for Medicine, one of the most selective fields in Brazil. In UFMG's 2005 entrance examination, the Medicine program had 9,602 applicants for 320 seats, corresponding to approximately 30 applicants per seat. Mr. Brant's academic transcript confirms that he was admitted to UFMG through the 2005/2 entrance examination.

Accordingly, the record establishes that Mr. Brant qualifies as a member of the professions holding an advanced degree. His foreign academic credentials have been evaluated as equivalent to a U.S. Doctor of Medicine degree, supplemented by graduate-level study in General Surgery, Trauma Surgery, and Vascular Surgery. Because his intended professional activities fall within the healthcare and medical diagnostics field, and because physicians and surgeons are recognized professional occupations under the relevant statutory and regulatory framework, the evidence establishes that Mr. Brant satisfies the EB-2 advanced degree classification requirement.

2. THE PROPOSED ENDEAVOR

Mr. Brant's proposed endeavor in the United States is to provide efficient, accessible, and high-quality non-invasive vascular imaging services through a service delivery model that integrates fixed diagnostic operations with mobile healthcare solutions. In practical terms, the endeavor is designed to make specialized vascular diagnostic services, including vascular ultrasound, duplex imaging, carotid evaluation, peripheral vascular testing, and related non-invasive assessments, more readily available to healthcare providers and patient populations that may otherwise face delays or logistical barriers in accessing these exams.

This model is intended to enhance access to care, reduce delays in diagnostic processes, and improve clinical outcomes by enabling faster and more reliable vascular assessments. Timely vascular imaging is particularly important for the detection, monitoring, and management of conditions such as peripheral arterial disease, carotid artery stenosis, deep vein thrombosis, chronic venous insufficiency, and other vascular disorders that may progress into serious complications when diagnosis is delayed.

Through this proposed endeavor, Mr. Brant will support physicians, outpatient clinics, nursing homes, assisted living facilities, and home health agencies in accessing specialized diagnostic services in a timely and efficient manner. Rather than requiring all patients to rely on hospital-based or centralized imaging systems, the proposed model will bring vascular diagnostic capacity closer to the point of care, particularly in settings that serve elderly, high-risk, mobility-limited, and underserved populations.

The mobile component represents a key differentiator because it reduces transportation burdens, improves scheduling flexibility, and allows healthcare providers to obtain diagnostic information more efficiently. By combining fixed diagnostic operations with mobile service delivery, the proposed endeavor is structured to address practical access gaps in vascular diagnostics while supporting earlier clinical decision-making and more coordinated patient care.

The mechanism for implementing the proposed endeavor will be the creation and operation of **DFW Vascular Imaging LLC**, a specialized healthcare services company through which Mr. Brant intends to structure, operationalize, and scale this fixed-and mobile vascular imaging model in the United States. The company will serve as the business vehicle for carrying out the proposed endeavor, rather than the endeavor itself.

The company's mission is to provide efficient, accessible, and high-quality non-invasive vascular imaging services through a service delivery model that integrates fixed diagnostic operations with mobile healthcare solutions. This model is designed to enhance access to care,

reduce delays in diagnostic processes, and improve clinical outcomes by enabling faster and more reliable vascular assessment.

Alignment of Petitioner's Experience with the Proposed Endeavor

Mr. Brant's professional background provides a direct and practical foundation for the proposed endeavor described above. His academic credentials, specialized medical training, diagnostic expertise, and healthcare management experience collectively support his ability to develop and implement a service model centered on timely, reliable, and accessible vascular imaging.

Mr. Brant is a physician with advanced training in General Surgery, Trauma Surgery, and Vascular Surgery. His foreign academic credentials have been evaluated as equivalent to a U.S. Doctor of Medicine degree, together with graduate-level study in these surgical specialties. This training gives him a strong understanding of vascular conditions that require timely diagnostic assessment, including peripheral arterial disease, carotid artery disease, deep vein thrombosis, chronic venous insufficiency, and other circulatory disorders.

Beyond his surgical formation, Mr. Brant has developed substantial experience with vascular ultrasound, Doppler-based assessments, duplex imaging, arterial and venous studies, and carotid evaluation. This experience is especially relevant because the proposed endeavor depends on the organized delivery of non-invasive vascular diagnostic services and on the ability to understand how timely imaging supports clinical decision-making, treatment planning, and ongoing patient management.

Mr. Brant has also worked across diverse healthcare environments, including public hospitals, private hospitals, diagnostic centers, outpatient settings, and public healthcare systems. This exposure allowed him to understand how vascular diagnostic services operate in settings marked by high demand, limited access, referral delays, and operational constraints. These experiences directly inform the practical design of the fixed-and-mobile model he intends to implement in the United States.

In addition to his clinical and diagnostic background, Mr. Brant has demonstrated entrepreneurial and managerial capacity through the ownership and operation of medical service companies in Brazil. This experience is relevant to the execution of the proposed endeavor because it required him to coordinate healthcare services, manage administrative and financial functions, organize patient flow, oversee operations, and maintain specialized medical service delivery in a sustainable manner.

Through DFW Vascular Imaging LLC, Mr. Brant intends to apply this combined medical, diagnostic, operational, and entrepreneurial background to the U.S. healthcare market. His planned role will focus on strategic direction, operational development, provider partnerships, service coordination, quality-oriented workflows, staffing, and expansion of the fixed-and-mobile vascular imaging model. Consistent with applicable U.S. regulatory and professional standards, diagnostic studies will be interpreted by contracted U.S.-licensed Medical Director(s), and ultrasound services will be performed by appropriately credentialed professionals, including Registered Vascular Technologists.

Accordingly, the proposed endeavor is a natural continuation of Mr. Brant's established trajectory in vascular medicine, non-invasive diagnostics, healthcare operations, and medical service management. His prior training and professional record demonstrate a clear connection between the work he has already performed and the initiative he now seeks to advance in the United States.

3. NATIONAL INTEREST WAIVER
Framework Under *Matter of Dhanasar*

Having established that Mr. Brant qualifies for EB-2 classification as a professional holding an advanced degree, this petition now addresses his eligibility for a National Interest Waiver under the framework set forth in *Matter of Dhanasar*, 26 I&N Dec. 884 (AAO 2016). Under this standard, the Petitioner must demonstrate that: (1) the proposed endeavor has substantial merit and national importance; (2) he is well positioned to advance the proposed endeavor; and (3) on balance, it would be beneficial to the United States to waive the requirements of a job offer and labor certification.

As discussed below, Mr. Brant's proposed endeavor satisfies each of these requirements. His initiative focuses on improving access to efficient, high-quality, non-invasive vascular imaging services through a fixed-and-mobile diagnostic model, with DFW Vascular Imaging LLC serving as the implementation vehicle. The endeavor addresses important healthcare needs related to diagnostic access, preventive vascular care, early disease detection, and system efficiency, while Mr. Brant's medical training, vascular diagnostic expertise, healthcare operations background, and detailed implementation plan position him to advance the endeavor in the United States.

3.1 First Prong:
The Proposed Endeavor has Substantial Merit and National Importance

Mr. Brant's proposed endeavor satisfies the first prong of *Matter of Dhanasar* because it addresses an important healthcare need in the United States: timely access to specialized, non-invasive vascular diagnostic services. By combining fixed diagnostic operations with mobile healthcare solutions, the endeavor is designed to reduce diagnostic delays, support preventive vascular care, improve access for high-risk and underserved populations, and enhance diagnostic efficiency across multiple care settings. As discussed below, these objectives demonstrate substantial merit and national importance in the areas of health, public health, healthcare access, and healthcare system efficiency.

3.1.1 Substantial Merit

Under the first prong of *Dhanasar*, the Service first examines whether the proposed endeavor has substantial merit. USCIS guidance confirms that this inquiry is broad and may encompass several areas of recognized value. The USCIS Policy Manual provides:

> *"The endeavor's merit may be demonstrated in areas including, but not limited to, business, entrepreneurship, science, technology, culture, health, or education."*

Mr. Brant's proposed endeavor falls primarily within the area of health, with direct relevance to public health, preventive care, healthcare access, and healthcare system efficiency. The endeavor is not a general business activity or a mere plan to create a company. It is a healthcare-focused initiative to improve access to specialized, non-invasive vascular diagnostic services in the United States through a model that combines fixed diagnostic operations with mobile healthcare solutions.

The proposed endeavor is specifically situated within **medical diagnostics and preventive vascular care**. Mr. Brant seeks to provide vascular ultrasound examinations, carotid duplex imaging, peripheral vascular testing, ABI and hemodynamic assessments, vein mapping, and related non-invasive diagnostic services. These services support the detection, monitoring, and management of vascular conditions such as peripheral arterial disease, carotid artery stenosis, deep vein thrombosis, chronic venous insufficiency, and thrombotic disorders. The Business Plan emphasizes that early identification of these conditions enables timely intervention and may reduce the risk of severe complications such as stroke, pulmonary embolism, limb-threatening ischemia, and amputation.

The record also shows a concrete healthcare need for the proposed services. The Business Plan states that the U.S. healthcare system faces persistent challenges involving timely access, efficiency, and cost in the delivery of vascular diagnostic services, especially as aging and chronic conditions such as cardiovascular disease, diabetes, and hypertension increase demand for accurate early-stage vascular diagnostics. This need is reinforced by national public health data: CDC reports that heart disease accounts for 1 out of every 5 deaths in the United States[3], and that more than 795,000 people in the United States have a stroke each year[4]. The demand for diagnostic capacity is also reflected in labor-market projections, as the U.S. Bureau of Labor Statistics projects employment of diagnostic medical sonographers to grow 13% from 2024 to 2034, much faster than the average for all occupations[5]. **These data support the substantial merit of Mr. Brant's proposed endeavor because timely vascular ultrasound, carotid duplex imaging, ABI/hemodynamic testing, and related non-invasive assessments directly assist providers in identifying vascular risk, monitoring disease progression, and coordinating earlier clinical intervention.**

Mr. Brant's proposed fixed-and-mobile model directly responds to this need. Many outpatient clinics, nursing homes, assisted living facilities, and home health environments lack direct access to specialized vascular imaging, which can delay evaluation and treatment. Through mobile service delivery, the proposed endeavor will bring diagnostic services closer to the point of care, reduce transportation burdens, improve access for elderly and high-risk patients, and support more efficient and continuous patient monitoring.

The endeavor also advances preventive care and continuity of care. The Business Plan identifies elderly patients, individuals with diabetes, hypertension, obesity, stroke risk, peripheral arterial disease risk, and patients requiring ongoing vascular monitoring as key populations requiring frequent diagnostic evaluation. It further explains that the company's services will support

[3] https://www.cdc.gov/heart-disease/about/index.html
[4] https://www.cdc.gov/stroke/data-research/facts-stats/index.html
[5] https://www.bls.gov/ooh/healthcare/diagnostic-medical-sonographers.htm

diagnostic evaluations for symptomatic patients, preventive screening, early detection, pre-procedural imaging, treatment planning, and chronic vascular-condition monitoring.

The mechanism for implementing the proposed endeavor will be DFW Vascular Imaging LLC. Through this business vehicle, Mr. Brant will structure the fixed-and-mobile diagnostic model, coordinate provider relationships, organize service delivery, implement secure reporting workflows, and support access to specialized vascular imaging across multiple healthcare settings. The company therefore serves as the operational means for delivering the proposed healthcare services, not as the proposed endeavor itself.

For these reasons, the proposed endeavor has substantial merit. It addresses a documented healthcare need, expands access to specialized vascular diagnostics, supports preventive care and early disease detection, assists healthcare providers in obtaining timely diagnostic information, and promotes more efficient care delivery for high-risk and underserved populations. The evidence therefore establishes that Mr. Brant's proposed endeavor satisfies the substantial merit component of the first prong of *Matter of Dhanasar*.

3.1.2 National Importance

Consistent with the USCIS Policy Manual, Volume 6, Part F, Chapter 5, the following sections address the principal factors used by the Service to evaluate national importance. In Mr. Brant's case, these factors demonstrate that his proposed endeavor extends beyond a private business activity, as it is directed toward improving access to timely vascular diagnostics, supporting preventive care, serving high-risk and underserved populations, and enhancing diagnostic efficiency within the U.S. healthcare system[6].

The Proposed Endeavor Has National Implications Within the Field of Non-Invasive Vascular Diagnostics and Decentralized Healthcare Delivery

The proposed endeavor operates within the broader field of non-invasive vascular diagnostics, preventive cardiovascular care, and decentralized healthcare delivery, areas that carry significant national relevance in the United States. Cardiovascular disease remains a major public health burden: the American Heart Association reports that, between 2021 and 2023, approximately 130.6 million U.S. adults, or 48.9% of the adult population, had some form of cardiovascular disease, with direct and indirect costs reaching approximately $414.7 billion in 2021 to 2022[7]. This burden directly reinforces the need for timely diagnostic tools capable of supporting earlier identification and management of vascular conditions.

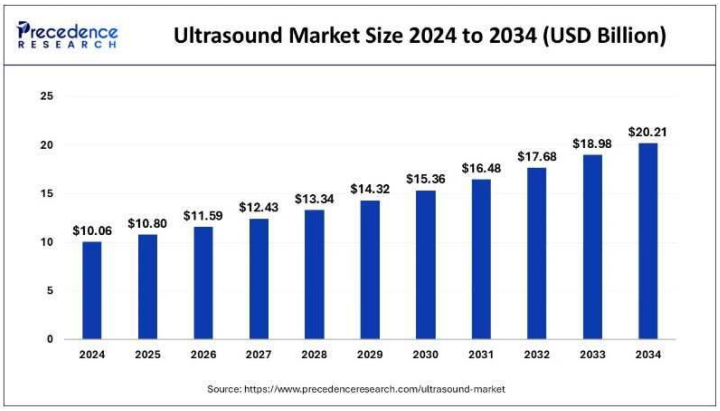
The significance of the proposed endeavor is further supported by the prevalence of peripheral arterial disease and related vascular disorders. The American Heart Association has emphasized that more than 8.5 million Americans are affected by peripheral artery disease, a condition associated with serious risks to morbidity, mortality, functional capacity, and long-term quality of

[6] The market and industry research supporting this section is provided in Exhibit C.I, with each source identified in the corresponding reference citation, including the source link, where the information is discussed.

[7] https://www.heart.org/-/media/PHD-Files-2/Science-News/2/2026-Heart-and-Stroke-Stat-Update/At-A-Glance/2026-Stats-Update-Fact-Sheet-At-A-Glance-Statistics_final.pdf

life when diagnosis and treatment are delayed[8]. Because vascular ultrasound and duplex imaging are non-invasive tools used to assess blood flow, vessel structure, arterial narrowing, occlusion, and related circulatory abnormalities, expanding access to these services directly supports earlier detection and better clinical management of vascular disease[9].

Industry and workforce trends also show that diagnostic imaging capacity is increasingly important within the U.S. healthcare system. The U.S. ultrasound market was estimated at approximately $3.30 billion in 2024 and is projected to reach approximately $6.78 billion by 2034, reflecting continued demand for ultrasound-based diagnostic technologies[10].



Within this context, Mr. Brant's proposed endeavor has implications beyond the operation of a single local business. By providing efficient, accessible, and high-quality non-invasive vascular imaging services through a fixed-and-mobile delivery model, the endeavor responds to national healthcare needs involving early disease detection, diagnostic access, care coordination, and system efficiency. Its mobile component is particularly relevant because it brings vascular diagnostic capacity closer to outpatient clinics, nursing homes, assisted living facilities, home health agencies, and other decentralized care settings where patients may otherwise face transportation barriers, referral delays, or limited access to specialized imaging. **Thus, the proposed endeavor contributes to a broader healthcare objective: improving timely access to vascular diagnostics for high-risk and underserved populations while supporting preventive care and more efficient clinical decision-making in the United States.**

The Proposed Endeavor Has Significant Potential to Employ U.S. Workers and Generate Substantial Positive Economic Effects

Mr. Brant's proposed endeavor also demonstrates significant potential to employ U.S. workers and generate positive economic effects. USCIS recognizes that national importance may be supported where an endeavor has significant potential to create U.S. jobs or produce substantial positive economic effects, particularly when considered in light of the economic circumstances of the relevant region. Here, the Business Plan shows that DFW Vascular Imaging LLC is structured as a scalable healthcare services company, with projected workforce growth, payroll

[8] https://www.ahajournals.org/doi/10.1161/CIR.0000000000001105
[9] https://www.ncbi.nlm.nih.gov/books/NBK570577/
[10] https://www.precedenceresearch.com/ultrasound-market

development, revenue expansion, tax contributions, and indirect job creation tied to the implementation of the fixed-and-mobile vascular imaging model.

The company's personnel plan reflects a demand-driven expansion strategy. In Year 1, DFW Vascular Imaging LLC is projected to operate with 4 professionals: Mr. Brant as General Manager and Director of Vascular Imaging Services, one Registered Vascular Technologist, one part-time Medical Director, and one Sales and Provider Relations Manager. By Year 5, the company is projected to expand to 15 professionals, including 3 Registered Vascular Technologists, 3 part-time Medical Directors, 2 Administrative/Medical Assistants, 1 Operations Coordinator, 3 Sales and Provider Relations Managers, and 2 outsourced Billing and Credentialing Specialists. This structure shows that the endeavor is not limited to Mr. Brant's self-employment, but is designed to create clinical, administrative, operational, provider-relations, and reimbursement-related positions within the U.S. healthcare sector.

Personnel Plan					
	Year 1	Year 2	Year 3	Year 4	Year 5
General Manager & Director of Vascular Imaging Services - Mr. Nikolas Duarte Caldeira Brant	1	1	1	1	1
Registered Vascular Technologist (RVT)	1	1	2	3	3
Medical Director (Part-Time)	1	1	2	3	3
Administrative / Medical Assistant	0	1	1	1	2
Operations Coordinator	0	1	1	1	1
Sales & Provider Relations Manager	1	1	2	2	3
Outsourced Billing & Credentialing Specialist	0	1	1	2	2
Total People	**4**	**7**	**10**	**13**	**15**

The projected payroll further supports the economic relevance of the endeavor. According to the Business Plan, payroll is expected to increase from approximately **$345,500 in Year 1** to approximately **$1,421,740 by Year 5**. This growth reflects the company's planned expansion in specialized healthcare employment, including technical roles for Registered Vascular Technologists, clinical oversight through U.S.-licensed Medical Directors, and support positions necessary for scheduling, mobile service coordination, provider relations, billing, and credentialing.

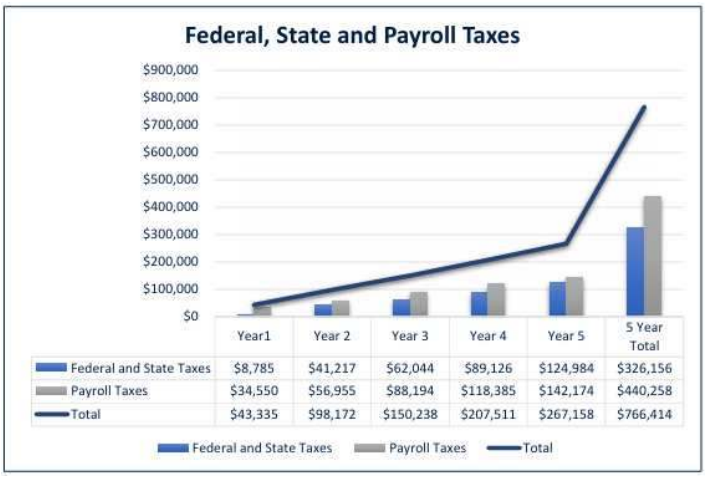
Personnel Plan					
	Year 1	Year 2	Year 3	Year 4	Year 5
General Manager & Director of Vascular Imaging Services - Mr. Nikolas Duarte Caldeira Brant	$110,000	$138,000	$158,700	$182,505	$209,881
Registered Vascular Technologist (RVT)	$108,000	$115,500	$242,550	$382,016	$401,117
Medical Director (Part-Time)	$37,500	$47,250	$99,225	$156,279	$164,093
Administrative / Medical Assistant	$0	$44,100	$46,305	$48,620	$102,103
Operations Coordinator	$0	$73,500	$77,175	$81,034	$85,085
Sales & Provider Relations Manager	$90,000	$94,500	$198,450	$208,373	$328,187
Outsourced Billing & Credentialing Specialist	$0	$56,700	$59,535	$125,024	$131,275
Total People	4	7	10	13	15
Total Payroll	**$345,500**	**$569,550**	**$881,940**	**$1,183,851**	**$1,421,740**

The financial projections also indicate a scalable and economically viable operating model. DFW Vascular Imaging LLC is projected to generate approximately **$578,040 in revenue in Year 1**, increasing to approximately **$2,573,421 by Year 5**. During the same period, gross margin is projected to grow from approximately **$505,588** to **$2,251,512**, while net profit is projected to increase from approximately **$23,753** to **$337,921**. These projections show that the company's growth is tied to increased service volume, expanded diagnostic capacity, and broader adoption by healthcare providers.



	Year 1	Year 2	Year 3	Year 4	Year 5
Sales	$578,040	$1,040,603	$1,550,971	$2,080,390	$2,573,421
Gross Margin	$505,588	$910,231	$1,356,739	$1,820,010	$2,251,512
Net Profit	$23,753	$111,439	$167,749	$240,971	$337,921

The endeavor is also expected to generate meaningful fiscal contributions. The Business Plan projects combined federal, state, and payroll tax contributions of approximately **$43,335 in Year 1**, increasing to approximately **$267,158 by Year 5**, with a cumulative five-year total of approximately **$766,414**. This includes approximately **$326,156** in federal and state taxes and approximately **$440,258** in payroll taxes, demonstrating that the endeavor would contribute to public revenues while supporting healthcare service operations and employment in the United States.



	Year1	Year 2	Year 3	Year 4	Year 5	5 Year Total
Federal and State Taxes	$8,785	$41,217	$62,044	$89,126	$124,984	$326,156
Payroll Taxes	$34,550	$56,955	$88,194	$118,385	$142,174	$440,258
Total	$43,335	$98,172	$150,238	$207,511	$267,158	$766,414

In addition to direct employment, the Business Plan estimates indirect economic effects based on the Economic Policy Institute multiplier for the medical and diagnostic laboratories industry. Applying this multiplier, the projected creation of 15 direct jobs by Year 5 may support approximately **26 indirect jobs** through related economic activity, including legal services, technical support, outsourced marketing, website development, billing and credentialing support, and other vendors necessary to sustain the company's operations.

Employment multipliers per 100 direct jobs, all private-sector industries

	Industry	Direct jobs	Supplier jobs*	Induced jobs**	Total indirect jobs
149	Offices of other health practitioners	100.0	43.1	68.3	111.4
150	Outpatient care centers	100.0	72.1	88.0	160.1
151	Medical and diagnostic laboratories	100.0	84.6	92.0	176.6
152	Home health care services	100.0	41.6	56.5	98.1
153	Other ambulatory health care services	100.0	81.9	78.1	160.0
154	Hospitals (private)	100.0	123.7	112.7	236.5

The economic relevance of the endeavor is further strengthened by its planned operations in the Dallas-Fort Worth region, including proximity to ZIP Code 75215 in Dallas, Texas, which the Business Plan identifies as an economically distressed area with a Distress Score of 94.1. While the national importance of the proposed endeavor does not depend solely on local job creation, the projected employment, payroll, tax contributions, and indirect economic activity reinforce the broader value of an initiative designed to improve healthcare access and diagnostic capacity in high-need settings.

Accordingly, the projected creation of direct healthcare-related jobs, indirect employment effects, payroll growth, revenue expansion, tax contributions, and regional economic activity demonstrate that Mr. Brant's proposed endeavor has significant potential to employ U.S. workers and generate substantial positive economic effects. These economic benefits support the first prong analysis while reinforcing the broader national importance of improving access to timely vascular diagnostics, preventive care, and healthcare system efficiency in the United States.

The Proposed Endeavor Will Broadly Enhance Societal Welfare

Mr. Brant's proposed endeavor will broadly enhance societal welfare by improving access to timely, non-invasive vascular diagnostic services for patients and healthcare settings that often face barriers to specialized imaging. By supporting earlier identification and monitoring of vascular conditions, the endeavor will help healthcare providers make more informed clinical decisions before preventable complications become more severe, costly, or difficult to manage.

This benefit is especially relevant for elderly, high-risk, mobility-limited, and underserved patients. Individuals in nursing homes, assisted living facilities, home health environments, and outpatient care settings may face significant logistical challenges when diagnostic services are available only through hospital-based or centralized imaging systems. By incorporating mobile vascular imaging, the proposed model brings diagnostic capacity closer to the point of care, reducing transportation burdens and improving continuity of care for vulnerable populations.

The endeavor also supports preventive healthcare. Conditions such as peripheral arterial disease, carotid artery stenosis, deep vein thrombosis, and chronic venous insufficiency may progress silently or worsen when diagnosis is delayed. By expanding access to vascular ultrasound, carotid duplex imaging, ABI and hemodynamic testing, and related services, Mr. Brant's model will assist providers in detecting vascular risk earlier, monitoring disease progression, and coordinating timely intervention.

In addition, the proposed endeavor promotes healthcare system efficiency. Timely diagnostic information may help reduce avoidable emergency room visits, hospital admissions, high-cost interventions, and severe vascular complications, including stroke, pulmonary embolism, limb-threatening ischemia, and amputation risk. In this way, the endeavor contributes not only to individual patient care, but also to broader public health objectives involving earlier, more efficient, and more coordinated management of vascular disease.

Accordingly, Mr. Brant's proposed endeavor broadly enhances societal welfare by improving diagnostic access, supporting preventive vascular care, reducing barriers for vulnerable populations, and promoting more efficient use of healthcare resources. These benefits extend beyond the private interests of the company or its immediate clients and align with broader national concerns involving public health, healthcare access, and improved patient outcomes in the United States.

The Proposed Endeavor Impacts a Matter that a Government Entity Has Described as Having National Importance or Is the Subject of National Initiatives

Mr. Brant's proposed endeavor aligns with federal priorities and national initiatives focused on chronic disease prevention, healthcare access, diagnostic efficiency, and improved care delivery for underserved populations. In 2025, the White House established the President's Make America Healthy Again Commission to address the chronic disease crisis and provide Government-wide recommendations on strategies to prevent and respond to chronic disease. The Commission was directed to identify best practices for preventing health issues and to evaluate federal programs intended to prevent and treat such conditions[11]. This federal priority is directly relevant to Mr. Brant's endeavor, which focuses on improving access to non-invasive vascular imaging services that support earlier detection, monitoring, and management of vascular conditions.

The proposed endeavor also aligns with HHS priorities reflected in the FY 2026 Budget materials for the Administration for a Healthy America. HHS states that the proposed organization will focus on areas including primary care, workforce development, disease prevention, and health promotion. The FY 2026 Budget also emphasizes investment in primary care services with a focus on health promotion and disease prevention, particularly in medically underserved and rural areas where individuals may otherwise lack access to care[12]. Mr. Brant's fixed-and-mobile diagnostic model supports these priorities by expanding practical access to vascular diagnostic services outside traditional hospital-based settings and by supporting providers serving high-risk populations.

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[11] https://www.whitehouse.gov/presidential-actions/2025/02/establishing-the-presidents-make-america-healthy-again-commission/

[12] https://www.hhs.gov/sites/default/files/fy-2026-aha-cj.pdf

Federal rural health initiatives further reinforce the national importance of expanding accessible, decentralized healthcare services. CMS describes the Rural Health Transformation Program as a federal initiative designed to strengthen rural communities by improving healthcare access, quality, and outcomes through changes to the healthcare delivery ecosystem. Its strategic goals include creating new access points, promoting prevention and chronic disease management, improving provider sustainability, coordinating care, and supporting innovative care models[13]. Although Mr. Brant's initial implementation is planned for Dallas-Fort Worth, the underlying model is consistent with this federal emphasis on bringing healthcare services closer to patients, improving chronic disease management, and strengthening diagnostic capacity outside traditional centralized systems.

The endeavor also intersects with national cardiovascular prevention efforts. CDC identifies Million Hearts® 2027 as a national initiative co-led by CDC and CMS with the goal of preventing one million heart attacks and strokes within five years. The initiative focuses on reducing heart disease, stroke, and related conditions, and specifically recognizes the need to better serve high-burden populations, including people living in rural areas or other "access deserts." [14] Mr. Brant's proposed services, including vascular ultrasound, carotid duplex imaging, ABI/hemodynamic testing, and preventive vascular screening, support the same broader objective of improving early identification and management of cardiovascular and vascular risk.

Finally, the proposed endeavor aligns with federal concern over diagnostic safety and diagnostic excellence. AHRQ states that diagnostic errors occur in all care settings and estimates that 795,000 Americans become permanently disabled or die annually due to disease misdiagnoses. AHRQ also identifies itself as the lead federal agency sponsoring research to promote diagnostic excellence[15]. Mr. Brant's endeavor responds to this national concern by expanding access to timely, reliable vascular diagnostic information, supporting earlier clinical decision-making, and reducing delays that may contribute to preventable complications in patients with vascular disease.

Accordingly, Mr. Brant's proposed endeavor impacts matters that federal agencies and the White House have described as national priorities: chronic disease prevention, healthcare access, preventive care, cardiovascular risk reduction, decentralized care delivery, and diagnostic quality. By improving access to timely non-invasive vascular imaging through a fixed-and-mobile service model, the endeavor is aligned with national efforts to strengthen preventive healthcare, support high-risk populations, improve diagnostic efficiency, and reduce the burden of chronic and cardiovascular disease in the United States.

For the reasons discussed above, the record demonstrates that Mr. Brant's proposed endeavor has both substantial merit and national importance. The endeavor has substantial merit because it advances health, preventive care, medical diagnostics, and healthcare access by expanding the availability of timely, non-invasive vascular imaging services. It also has national importance because its prospective impact extends beyond the operation of a private company, addressing broader U.S. healthcare needs related to early disease detection, high-risk and underserved patient populations, decentralized diagnostic capacity, healthcare system efficiency, workforce

[13] https://www.cms.gov/priorities/rural-health-transformation-rht-program/overview
[14] https://www.cdc.gov/nccdphp/divisions-offices/about-the-division-for-heart-disease-and-stroke-prevention.html
[15] https://www.ahrq.gov/diagnostic-safety/index.html

creation, and alignment with federal priorities concerning chronic disease prevention, cardiovascular health, diagnostic quality, and improved access to care. **Therefore, the evidence establishes that Mr. Brant satisfies the first prong of Matter of Dhanasar.**

3.2 Second Prong:

The Self-Petitioner is Well-Positioned to Advance the Proposed Endeavor in the United States

The second prong of the *Matter of Dhanasar* framework evaluates whether the Petitioner is well positioned to advance the proposed endeavor. In this case, the record demonstrates that Mr. Brant possesses the advanced medical education, specialized training in vascular surgery, substantial experience in vascular diagnostics, healthcare operations background, and entrepreneurial record necessary to develop and implement the fixed-and-mobile vascular imaging model described in this petition[16].

3.2.1 Education, Skills, Knowledge, And Record of Success:

Under the second prong of *Matter of Dhanasar*, the Service considers whether the Self-Petitioner is well positioned to advance the proposed endeavor. USCIS guidance identifies several relevant factors for this analysis, including the individual's education, skills, knowledge, record of success in related efforts, progress toward the proposed endeavor, and the credibility of the proposed plan.

> *"In evaluating whether the person is well positioned to advance the endeavor, USCIS considers factors including, but not limited to: the person's education, skills, knowledge, and record of success in related or similar efforts; evidence of a detailed proposal or plan… any progress towards achieving the proposed endeavor; and the interest or support garnered by the person from potential customers, users, investors, or other relevant entities or persons."*

Mr. Brant satisfies this standard. His education, specialized medical training, diagnostic expertise, and professional record are directly connected to the proposed endeavor he seeks to advance in the United States. The record shows that he holds foreign academic credentials evaluated as equivalent to a **Doctor of Medicine (M.D.)** degree in the United States, together with graduate-level study in **General Surgery, Trauma Surgery, and Vascular Surgery**. This academic and clinical formation provides the medical foundation necessary to understand vascular disease, diagnostic pathways, patient risk profiles, and the operational standards required for specialized vascular imaging services.

Mr. Brant's professional preparation extends beyond general medical education. He completed advanced training in surgical specialties that are directly relevant to the detection, treatment, and management of vascular conditions. His background in General Surgery and Trauma Surgery gave him experience with urgent and high-complexity clinical decision-making, while his specialization in Vascular Surgery provided focused expertise in arterial and venous disease, circulatory disorders, vascular interventions, and diagnostic assessment of vascular conditions.

[16] The documents referenced in this section and Business Plan materials are included in Exhibits B, C.I, and C.II.

The record further demonstrates that Mr. Brant has developed substantial skills in non-invasive vascular diagnostics, including vascular ultrasound, Doppler-based assessments, duplex imaging, arterial and venous studies, carotid evaluation, and related diagnostic methods. These skills are central to the proposed endeavor, which will focus on providing timely, high-quality vascular imaging services through a fixed-and-mobile service model. His experience with these diagnostic tools supports his ability to design practical workflows, understand the needs of referring providers, and structure services that facilitate timely clinical decision-making.

Mr. Brant also possesses professional credentials that reinforce his qualifications in the field. He is registered with the Regional Medical Council in Brazil and holds specialist registrations in General Surgery and Vascular Surgery. He also obtained certification in Vascular Ultrasound with Doppler through recognized Brazilian medical entities and is a full member of the Brazilian Society of Angiology and Vascular Surgery. These credentials demonstrate that his expertise is not limited to informal experience but is supported by formal professional recognition in the medical and vascular diagnostics field.

His record of professional practice further confirms his ability to advance the proposed endeavor. Mr. Brant has worked in public hospitals, private hospitals, diagnostic centers, outpatient clinics, and public healthcare systems, including settings with high patient demand and limited access to specialized care. Through these roles, he gained practical experience in vascular surgery, angiological care, vascular imaging, patient evaluation, diagnostic reporting, treatment planning, and coordination with multidisciplinary healthcare teams. This background is especially relevant to a proposed model designed to support physicians, outpatient clinics, nursing homes, assisted living facilities, and home health agencies in obtaining timely vascular diagnostic services.

Mr. Brant's experience in diagnostic centers is particularly important. His work performing and supporting vascular ultrasound examinations, duplex scan studies, arterial and venous assessments, and carotid Doppler evaluations demonstrates direct familiarity with the types of services that will form the core of the proposed endeavor. He understands both the clinical value of accurate vascular imaging and the operational importance of scheduling, reporting, provider communication, and timely delivery of diagnostic information.

The record also shows that Mr. Brant has experience serving patients through public healthcare systems and regional care environments, where access limitations and referral delays may directly affect patient outcomes. This experience strengthens his ability to understand the access-related purpose of the proposed endeavor. The fixed-and-mobile model he intends to implement in the United States reflects practical knowledge gained from working with patients who require timely vascular assessment, ongoing monitoring, and coordinated care.

In addition to his clinical and diagnostic qualifications, Mr. Brant has demonstrated a record of success in healthcare entrepreneurship and medical service management. He has owned and managed medical service companies in Brazil, including ANGIOCLEAN – Clínica de Angiologia Ltda. and ANGIOLOGIA LN Ltda. Through these companies, he gained experience overseeing healthcare operations, coordinating services, managing administrative and financial functions, organizing patient flow, and sustaining specialized medical services in a competitive healthcare market.

The financial and operational records from these companies further support his record of success. The evidence shows documented revenue generation, profit distributions, and continued business activity in the medical services sector. This entrepreneurial experience is directly relevant to the proposed endeavor because DFW Vascular Imaging LLC will require not only medical and diagnostic expertise, but also operational planning, cost control, provider relationship development, staffing coordination, compliance-oriented workflows, and scalable service delivery.

Mr. Brant's background therefore combines the key elements required to advance the proposed endeavor: advanced medical education, specialized vascular knowledge, practical diagnostic imaging experience, exposure to diverse healthcare settings, and a demonstrated ability to manage medical service operations. These qualifications are not abstract or merely academic. They relate directly to the fixed-and-mobile vascular imaging model he intends to implement through DFW Vascular Imaging LLC.

Mr. Brant's professional standing is further reinforced by evidence of recognized affiliation and financial success in the same medical field. He is a full member, in good standing, of the Brazilian Society of Angiology and Vascular Surgery (SBACV)[17]. This membership is directly related to the proposed endeavor because it reflects his professional integration into the field of vascular medicine and non-invasive vascular diagnostics. The record also documents his sustained income and revenue generation through medical service companies focused on angiological services, including ANGIOCLEAN – Clínica de Angiologia Ltda. and ANGIOLOGIA LN Ltda., with accounting records showing revenue growth and profit distributions over multiple years. This evidence further confirms that Mr. Brant has achieved professional and financial success in a field directly connected to the specialized vascular imaging model he seeks to implement in the United States.

For these reasons, the record demonstrates that Mr. Brant has the education, skills, knowledge, and record of success necessary to advance the proposed endeavor in the United States. His prior work in vascular medicine, non-invasive diagnostics, public and private healthcare environments, and medical business management provides a strong and practical foundation for implementing a specialized service model designed to improve access to timely vascular diagnostic services.

3.2.2 Independent Expert Testimonials Supporting the Petitioner's Qualifications and Impact:

The Petitioner's qualifications and professional record are further supported by independent testimonials from senior physicians who directly supervised, trained, or worked with him in surgical, vascular, diagnostic, and high-complexity hospital settings. These letters are particularly probative because they provide first-hand observations of Mr. Brant's technical competence,

[17] The Brazilian Society of Angiology and Vascular Surgery (*Sociedade Brasileira de Angiologia e de Cirurgia Vascular*, or SBACV) is Brazil's national, nonprofit professional association for physicians in angiology and vascular surgery. The organization was founded on November 1, 1952, originally as the Brazilian Society of Angiology, and later became the Brazilian Society of Angiology and Vascular Surgery. Its institutional role includes professional representation, scientific development, continuing medical education, and advancement of the diagnosis and treatment of arterial, venous, lymphatic, endovascular, and vascular ultrasound-related conditions.

clinical judgment, patient-centered conduct, diagnostic reasoning, and ability to perform in demanding medical environments[18].

Dr. Daniel Einstoss Korman, a vascular surgeon at Odilon Behrens Municipal Hospital and coordinator of the institution's Angiology and Vascular Surgery teaching program, confirms that he closely followed Mr. Brant's work during his vascular surgery residency, including patient care, clinical discussions, and surgical activities. His letter emphasizes Mr. Brant's responsibility, attention to clinical detail, and commitment to patient well-being in circumstances involving operational limitations and urgent vascular needs.

Dr. Korman also describes a case involving a young patient with a severe circulatory problem in the foot, in which Mr. Brant took responsibility for performing periodic anesthetic blocks to control the patient's pain while definitive treatment was delayed. This example is relevant because it shows his ability to maintain patient stability, assume responsibility, and act with clinical attentiveness under institutional constraints. Dr. Korman further notes Mr. Brant's interest in vascular ultrasound examinations, which are directly related to the proposed endeavor because they allow for precise circulatory assessment and safer treatment planning.

Dr. Fabrício Neto Ladeira, a board-certified vascular surgeon, residency preceptor, and member of the Society for Vascular Surgery and the Brazilian Society of Angiology and Vascular Surgery, provides additional confirmation of Mr. Brant's technical maturity in vascular surgery and vascular ultrasonography. Dr. Ladeira directly supervised Mr. Brant's specialized training at Odilon Behrens Municipal Hospital and observed his development in the operating room, his proficiency in vascular ultrasonography, and his performance in complex cases.

Dr. Ladeira further explains that, by the second half of the program, Mr. Brant had developed sufficient maturity to independently manage high-complexity vascular procedures, often without direct intervention from senior surgeons. He also highlights Mr. Brant's contribution to the organization of outpatient foam sclerotherapy services, including service logistics and clinical scheduling, which expanded access to minimally invasive vascular treatment for public health patients. This testimony is especially relevant to the proposed endeavor because it connects Mr. Brant's clinical expertise with service organization, access expansion, and specialized vascular care delivery.

Dr. Fernando de Assis Figueiredo Júnior, a senior physician specialized in General Surgery, Trauma Surgery, Vascular Surgery, Angioradiology, Endovascular Surgery, and Vascular Ultrasound with Doppler, confirms that Mr. Brant demonstrated autonomy, technical consistency, and sound judgment in complex vascular cases. His testimonial is particularly persuasive because it comes from a physician with extensive leadership experience in vascular surgery services and residency training.

Dr. Fernando explains that Mr. Brant's progressively assigned autonomy resulted from continuous evaluation of his performance and reflected institutional confidence in his decision-making capacity. He also notes Mr. Brant's ability to sustain well-founded decisions, perform procedures safely, and assume responsibility for high-demand on-call shifts. This supports the conclusion that Mr. Brant's qualifications are not merely academic, but have been

[18] The independent professional testimonial letters referenced in this subsection are included in Exhibit C.II.

tested in real-world vascular surgery environments requiring technical precision and independent judgment.

Dr. Gustavo Henrique Dumont Kleinsorge, Coordinator of Vascular and Endovascular Surgery at Hospital João XXIII, further supports Mr. Brant's ability to operate in high-complexity environments. Dr. Kleinsorge directly observed his clinical and surgical performance and describes his ability to analyze clinical findings, interpret complementary exams, plan vascular procedures, and act with composure in emergency conditions.

Dr. Kleinsorge provides concrete examples, including a severe femoral artery pseudoaneurysm case with risk of amputation or death, in which Mr. Brant selected a technically demanding, less invasive ultrasound-guided approach that resolved the condition without significant complications. He also describes Mr. Brant's role in the emergency management of a ruptured abdominal aortic aneurysm, emphasizing his ability to evaluate the patient, mobilize the team, and promptly initiate surgical intervention. His letter is directly relevant to the proposed endeavor because it confirms Mr. Brant's ability to integrate vascular imaging, clinical assessment, and treatment planning in high-stakes settings.

Dr. Marcos Campos Wanderley Reis, Partner, Medical Director, and Coordinator of the Surgical Team at Quíron Clínica Cirúrgica Avançada, also supports Mr. Brant's record of technical maturity and professional reliability. As Head of the General Surgery Department at Hospital da Baleia, Dr. Reis directly supervised Mr. Brant during his residency and observed his performance in operative procedures, ward rounds, outpatient care, and academic meetings.

Dr. Reis describes Mr. Brant's participation in a high volume of moderate and high-complexity surgical procedures and highlights a technically demanding laparoscopic case in which Mr. Brant supported the feasibility of completing a cholecystectomy through single-port access. The procedure was successfully completed without additional incisions, reflecting his technical mastery, sound judgment, and focus on the patient's clinical outcome. Dr. Reis further states that Mr. Brant demonstrated technical competence, professional maturity, and the ability to perform safely in highly demanding surgical environments.

Together, these independent testimonials demonstrate that Mr. Brant has earned the confidence of experienced physicians across areas directly related to the proposed endeavor, including vascular surgery, vascular ultrasound, diagnostic interpretation, emergency surgical care, public hospital practice, outpatient vascular services, and medical service organization. The letters provide specific examples of his clinical maturity, technical skill, ethical conduct, diagnostic reasoning, and ability to assume responsibility in complex healthcare settings.

These evaluations reinforce that Mr. Brant is well positioned to advance the proposed endeavor in the United States. His qualifications are not based on credentials alone; they are supported by direct observations from senior medical professionals who have seen him apply vascular knowledge, diagnostic judgment, procedural skill, and operational responsibility in real-world medical environments.

3.2.3 Plan For Future Activities:

Mr. Brant's future activities in the United States are structured around the implementation of his proposed fixed-and-mobile vascular imaging model through DFW Vascular Imaging LLC, a

specialized healthcare services company to be initially operated in the Dallas-Fort Worth, Texas region. As detailed in the Business Plan, the company will provide non-invasive vascular diagnostic services, including vascular ultrasound examinations, carotid duplex imaging, peripheral vascular testing, ABI and hemodynamic assessments, vein mapping, and mobile imaging services for physicians, outpatient clinics, nursing homes, assisted living facilities, and home health agencies.

The company will serve as the operational vehicle for the proposed endeavor, allowing Mr. Brant to structure provider relationships, coordinate service delivery, implement secure reporting workflows, and scale access to specialized vascular diagnostics across multiple care settings. Its planned model combines a fixed diagnostic base with mobile service capabilities, which directly reflects the Petitioner's professional background in vascular medicine, Doppler-based diagnostics, healthcare operations, and medical service management. The Business Plan further supports the feasibility of this model by outlining a defined market-entry strategy, core service lines, staffing structure, compliance-oriented workflow, sales strategy, and financial projections.

DFW Vascular Imaging LLC is projected to begin with a lean operational structure and expand as demand grows. The Business Plan anticipates a team of 4 professionals in Year 1, including Mr. Brant as General Manager and Director of Vascular Imaging Services, and growth to 15 professionals by Year 5, including Registered Vascular Technologists, part-time Medical Directors, administrative support, operations coordination, provider relations, and billing and credentialing support. This structure reflects a practical implementation plan tied to service volume, provider adoption, regulatory compliance, and progressive workforce expansion.

The financial feasibility of this plan is further supported by the company's projected startup requirements and Mr. Brant's documented financial resources. The Business Plan estimates total startup requirements of approximately **$90,000**, including **$75,000** in startup expenses and **$15,000** in working capital, allocated toward medical equipment, diagnostic accessories, licensing and regulatory compliance, insurance, technology systems, website and branding, marketing, office setup, and mobile operations. In addition, the evidentiary record includes Bradesco CDB investment statements showing available balances of **BRL 257,011.43** and **BRL 237,777.49**, totaling **BRL 494,788.92**. Based on the latest official BRL/USD exchange-rate data available as of **May 21, 2026**, which showed an exchange rate of approximately **BRL 5.0295 per USD**, these investment resources correspond to approximately **USD $98,377.36**[19]. This amount exceeds the projected startup requirement and demonstrates that Mr. Brant has personal financial capacity available to support business formation, equipment acquisition, regulatory setup, and early operational development.

The plan is also supported by Mr. Brant's prior entrepreneurial record in Brazil. He has owned and managed medical service companies focused on angiological services, including ANGIOCLEAN – Clínica de Angiologia Ltda. and ANGIOLOGIA LN Ltda. The accounting records show revenue growth in both companies, including ANGIOCLEAN's annual revenue increase from **BRL 323,229.28 in 2022** to **BRL 466,082.36 in 2024**, and ANGIOLOGIA LN's

[19] Exchange-rate conversion based on the BRL/USD commercial exchange-rate series available through Ipeadata/Banco Central do Brasil (official Brazilian public economic database that compiles exchange-rate series and macroeconomic indicators used as a reliable source for BRL/USD conversion), updated on May 21, 2026, showing BRL 5.0295 per USD for May 20, 2026. BRL 494,788.92 ÷ 5.0295 = approximately USD $98,377.36.

revenue increase from **BRL 105,681.49 in 2022** to **BRL 325,089.69 in 2024**. This experience strengthens the credibility of his future plan because it shows that he has already managed healthcare service operations, coordinated medical service delivery, and sustained revenue-generating medical businesses in a related field.

This evidence demonstrates that Mr. Brant's future activities are supported by a concrete business plan, a defined healthcare service model, realistic operational projections, prior medical business management experience, and personal financial resources. The record therefore shows that the Petitioner has a feasible and well-structured plan to advance the proposed endeavor in the United States.

3.3 Third Prong:

On Balance, It Would be Beneficial to the United States to Waive the Requirement of a Job Offer and Labor Certification

Under the third prong of *Matter of Dhanasar*, the Service considers whether, on balance, it would be beneficial to the United States to waive the requirements of a job offer and labor certification. In this case, the nature of Mr. Brant's qualifications and proposed endeavor demonstrates that the traditional labor certification framework is not well suited to the initiative he seeks to advance. His proposed endeavor is entrepreneurial, service-based, and multi-setting in nature, requiring him to build provider partnerships, coordinate fixed and mobile diagnostic operations, hire and manage technical and administrative personnel, and implement a specialized vascular imaging model across multiple healthcare environments. A traditional job offer tied to a single employer and fixed position would not capture the structure or intended impact of this endeavor. **For this reason, requiring a job offer or labor certification would be impractical in light of the entrepreneurial and multi-setting nature of Mr. Brant's proposed endeavor.**

Even assuming that other qualified U.S. workers may be available in related healthcare or diagnostic roles, the United States would still benefit from Mr. Brant's specific contributions. His value is not limited to filling one clinical or technical position. Rather, he intends to apply his medical training, vascular surgery background, Doppler and duplex imaging experience, healthcare operations knowledge, and entrepreneurial record to create and scale a service model that expands access to non-invasive vascular diagnostics. Through DFW Vascular Imaging LLC, his contribution will involve structuring workflows, developing provider relationships, coordinating mobile diagnostic capacity, and supporting a model that can serve physicians, outpatient clinics, nursing homes, assisted living facilities, and home health agencies. **Therefore, the benefit to the United States comes not merely from Mr. Brant's individual labor, but from his ability to organize and expand access to specialized vascular diagnostic services across multiple care settings.**

The national interest in Mr. Brant's contributions is also sufficiently urgent to warrant forgoing the labor certification process. The proposed endeavor addresses healthcare needs involving timely vascular diagnosis, preventive care, and access for elderly, high-risk, mobility-limited, and underserved populations. Delays in diagnosing vascular conditions such as peripheral arterial disease, carotid artery stenosis, deep vein thrombosis, and chronic venous insufficiency may contribute to severe complications, including stroke, pulmonary embolism, limb-threatening ischemia, avoidable hospitalization, and amputation risk. By improving access to reliable vascular imaging through a fixed-and-mobile delivery model, the endeavor supports earlier

clinical decision-making and more efficient disease management. **This public health and healthcare-access function supports waiver of the labor certification requirement because the proposed endeavor addresses time-sensitive diagnostic needs with broader implications for patient outcomes and system efficiency.**

The proposed endeavor also has clear potential to create U.S. jobs and generate economic activity. The Business Plan projects that DFW Vascular Imaging LLC will begin with a lean team and expand to approximately 15 professionals by Year 5, including Registered Vascular Technologists, part-time U.S.-licensed Medical Directors, administrative and medical assistants, an operations coordinator, sales and provider relations managers, and outsourced billing and credentialing support. The company is also projected to generate payroll growth, tax contributions, vendor relationships, and indirect economic activity through legal, technical, marketing, billing, credentialing, and operational support services. **Accordingly, the proposed endeavor is structured to create employment opportunities and economic benefits in the United States rather than merely provide self-employment for the Petitioner.**

Mr. Brant's self-employment also does not appear likely to adversely affect U.S. workers. To the contrary, the endeavor depends on hiring and coordinating U.S.-based professionals and service providers. Registered Vascular Technologists will perform ultrasound studies, contracted U.S.-licensed Medical Directors will interpret diagnostic studies and support regulatory compliance, and administrative, operational, provider-relations, and billing professionals will support the company's growth. Mr. Brant's role will center on strategic direction, operational development, provider partnerships, quality-oriented workflows, and expansion of the fixed-and-mobile vascular imaging model. **Thus, his self-employment is complementary to the U.S. workforce because it is designed to generate positions, support licensed professionals, and expand diagnostic service capacity.**

When considered as a whole, the evidence demonstrates that the benefits of granting the waiver outweigh the interests served by requiring a job offer and labor certification. Mr. Brant's proposed endeavor requires entrepreneurial flexibility, responds to a documented healthcare-access need, offers benefits even if other qualified workers are available, supports timely vascular diagnosis and preventive care, and is structured to create U.S. jobs while complementing rather than displacing domestic workers. **For these reasons, waiving the job offer and labor certification requirements would benefit the United States and satisfies the third prong of *Matter of Dhanasar.***

For the reasons set forth above, the evidence submitted establishes that Mr. Brant satisfies the statutory and regulatory requirements for classification under the EB-2 category as a professional holding an advanced degree. The record further demonstrates that his proposed endeavor has substantial merit and national importance, that he is well positioned to advance it in the United States, and that, on balance, waiving the requirements of a job offer and labor certification would benefit the United States.

Mr. Brant's proposed endeavor is directly aligned with important healthcare needs involving access to timely vascular diagnostics, preventive care, early disease detection, decentralized service delivery, and improved healthcare system efficiency. His advanced medical education, specialized training in vascular surgery, experience with non-invasive vascular diagnostics, healthcare operations background, business plan, financial capacity, and professional

testimonials collectively establish that he is prepared to implement and advance this endeavor through DFW Vascular Imaging LLC.

All evidence submitted in support of this petition has been provided in good faith and demonstrates, by a preponderance of the evidence, that Mr. Brant meets the requirements for EB-2 classification and merits a National Interest Waiver under *Matter of Dhanasar*, 26 I&N Dec. 884 (AAO 2016).

For these reasons, we respectfully request that USCIS approve this Form I-140 Immigrant Petition for Alien Worker and grant the requested National Interest Waiver.

Should the Service require any further information or documentation, please do not hesitate to contact our office. Thank you for your time and consideration.

Sincerely,



Otavio Haverroth Silva
California Bar # 343486

Exhibit list

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Exhibit A

NIKOLAS DUARTE CALDEIRA BRANT

Email: nikolasdcb@gmail.com
Phone: +55 (31) 98458-8951
Belo Horizonte – MG, Brazil

PROFESSIONAL SUMMARY

Physician specialized in General Surgery, Trauma Surgery, and Vascular Surgery, with over 10 years of experience in high-complexity hospital environments, including tertiary trauma centers and public healthcare systems. Demonstrates advanced expertise in vascular interventions, Doppler-based diagnostics, and acute surgical management. Recognized for clinical decision-making under pressure, technical autonomy in complex procedures, and contributions to expanding access to vascular care within resource-constrained healthcare settings.

PROFESSIONAL EXPERIENCE

Vascular Surgeon
Hospital Odilon Behrens | Belo Horizonte, MG, Brazil
01/2024 – Present
Performs vascular surgical procedures in a public hospital environment, participating in high-complexity case management and multidisciplinary decision-making. Previously trained in the institution's vascular surgery residency program, where he demonstrated early clinical autonomy and advanced technical proficiency.

Vascular Surgeon
Hospital Life Center | Belo Horizonte, MG, Brazil
01/2018 – 12/2024
Provided vascular surgical care in a private hospital setting, managing patients across diagnostic, interventional, and post-operative stages.

Vascular Surgeon
Hospital Metropolitano Dr. Célio de Castro | Belo Horizonte, MG, Brazil
01/2018 – 12/2023
Acted in a high-demand public hospital, contributing to surgical management of vascular diseases and complex clinical cases.

Vascular Surgeon

Hospital Metropolitano Prefeito Osvaldo Resende Franco | Betim, MG, Brazil

02/2018 – 06/2019

Delivered vascular surgical care in a regional public hospital, supporting access to specialized treatment.

Vascular Surgeon / Angiologist

Clínica da Serra | Diamantina, MG, Brazil

01/2018 – Present

Performs vascular procedures and clinical management, with emphasis on minimally invasive treatments and outpatient care expansion.

Doppler Ultrasound Specialist (Duplex Scan)

Clínica da Serra | Diamantina, MG, Brazil

01/2018 – Present

Doppler Ultrasound Specialist (Duplex Scan)

CEDUS | Belo Horizonte, MG, Brazil

01/2018 – Present

Doppler Ultrasound Specialist (Duplex Scan)

Hermes Pardini | Belo Horizonte, MG, Brazil

01/2019 – Present

Performs and interprets vascular imaging exams essential for diagnosis and treatment planning, contributing to clinical accuracy and procedural safety.

Physician – Public Healthcare System (CISaJe – CEM e CEA)

Diamantina, MG, Brazil

01/2019 – Present

Provides outpatient vascular care within the public healthcare system, including clinical evaluation, diagnostic assessment, and treatment planning for patients with vascular conditions. Contributes to expanding access to specialized vascular services in underserved regions.

General Surgeon

UPA Justinópolis | Ribeirão das Neves, MG, Brazil

01/2014 – 12/2018

Managed high-volume emergency and surgical cases, including acute vascular conditions requiring rapid intervention.

Family Health Physician
Pedro Leopoldo, MG, Brazil
08/2011 – 12/2012
Delivered primary care services focused on prevention, early diagnosis, and community health management.

CLINICAL AND TECHNICAL HIGHLIGHTS

- Demonstrated ability to independently manage high-complexity vascular procedures during residency training, ranking among the most technically prepared physicians in his cohort.
- Performed advanced decision-making in complex vascular interventions, including alternative surgical strategies to enable successful revascularization in severe arterial disease cases.
- Managed critically ill patients requiring continuous monitoring and intervention in high-risk scenarios, ensuring patient stability and safety.
- Applied minimally invasive, ultrasound-guided techniques in complex vascular cases, reducing procedural risk and improving outcomes.
- Contributed to implementation and organization of vascular treatment services (e.g., foam sclerotherapy), expanding access to care in public health settings.

EDUCATION

Doctor of Medicine (M.D.)
Universidade Federal de Minas Gerais (UFMG)
Belo Horizonte, MG, Brazil
Completed: 2011

Residency in General Surgery
Hospital da Baleia
Belo Horizonte, MG, Brazil
Completed: 2015

Specialization in Trauma Surgery

Hospital João XXIII – FHEMIG

Belo Horizonte, MG, Brazil

Completed: 2016

Specialization in Vascular Surgery

Hospital Metropolitano Odilon Behrens

Belo Horizonte, MG, Brazil

Completed: 2018

RELEVANT COURSES AND SEMINARS

- Advanced Trauma Life Support (ATLS) – 2015
- Advanced Cardiovascular Life Support (ACLS) – Certified
- International Symposium on Phlebology – 2017, 2019
- Brazilian Congress of Vascular Ultrasound – Participation
- Training in Foam Sclerotherapy, Transdermal Laser, and Vascular Imaging

---

PROFESSIONAL LICENSE

Regional Medical Council (CRM – Brazil)

License Number: 54706

PROFESSIONAL CERTIFICATION & AFFILIATION

Specialist Certification in Vascular Surgery and Vascular Ultrasound

Brazilian Medical Association (AMB) in conjunction with the Brazilian Society of Angiology and Vascular Surgery (SBACV) and the Brazilian College of Radiology and Diagnostic Imaging (CBR)

São Paulo, Brazil — Issued: December 5, 2020

Professional Membership

Full Member (Associado Pleno) — Brazilian Society of Angiology and Vascular Surgery (SBACV)

Member since: April 25, 2017 | Status: Active (2025)

LANGUAGES

English – Proficient (Cambridge FCE; TOEIC – ETS)

Portuguese - Native

Exhibit B - Eligibility Criteria: Advanced Degree

2nd copy

FEDERATIVE REPUBLIC OF BRAZIL

FEDERAL UNIVERSITY OF MINAS GERAIS

The President of the Federal University of Minas Gerais, Professor Jaime Arturo Ramirez, in the exercise of his duties, hereby certifies that *Nikolas Duarte Caldeira Brant*

born in ***Belo Horizonte - MG***, on ***October 9, 1983,***

son of Antônio ***Augusto Caldeira Brant Filho and Maria Elizabeth Duarte Caldeira*** **Brant**

has completed the ***Medical Program*** on ***July 15, 2011,***

and is therefore granted the title of ***Physician***, so that he may enjoy all legal rights and prerogatives.

Belo Horizonte, **April 29, 2015**

Jaime Arturo Ramírez
President

Director of the Unit

Nikolas Duarte Caldeira Brant
Graduate

LAW No. 7088, OF 03/23,/1983
The diploma holder is of Brazilian nationality, bearer of identity card
No. MG-12.880.666 PC MG

APOSTILLE

This 2nd copy has been issued due to the loss of the 1st copy, which becomes void if found.
The 1st copy was registered with the Ministry of Education / UFMG, under
No. 1732 Book RD. 2011/2 page —,
Process No. **23072.027858/2011-34** on **07/20/2011**
Belo Horizonte, **April 29, 2015**

Director

MINISTRY OF EDUCATION
FEDERAL UNIVERSITY OF MINAS GERAIS
Registration carried out under the terms of Law No. 9.394/96 of 12/20/996 – Article 48 – paragraph 1
Number: 5053 Book: RD. 2015/1
Process No.: 2015/05.00201
Belo Horizonte, **May 8, 2015**

Luciana Moreira de Avelar
Director of the Diploma Registration Division

Daniele C. M. Fagundes Zárate
Director of the Department of Academic Records and Control

I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.

Marina Viana

Date: June 27, 2025.

2ª via

REPÚBLICA FEDERATIVA DO BRASIL

UNIVERSIDADE FEDERAL DE MINAS GERAIS

O Reitor da Universidade Federal de Minas Gerais, Professor Jaime Arturo Ramírez, no uso de suas atribuições, tendo em vista que *Nikolas Duarte Caldeira Brant*

nascido(a) em *Belo Horizonte - MG* em *09* de *outubro* de *1983*

filho(a) de *Antônio Algusto Caldeira Brant Filho e Maria Elizabeth Duarte Caldeira Brant*

concluiu o curso de *Medicina* em *15 de julho de 2011*

confere-lhe o título de *Médico* e outorga-lhe o presente diploma

para que possa gozar de todos os direitos e prerrogativas legais.

Belo Horizonte, *29* de *abril* de *2015*

Jaime Arturo Ramírez
Reitor

Diretor(a) da Unidade

Nikolas Duarte Caldeira Brant
Diplomado(a)

LEI Nº 7088, DE 23/03/83
O diplomado é de Nacionalidade
Brasileira
portador da cédula de identidade
nº MG-12.880.666 PC MG

APOSTILA

A presente 2ª via foi expedida em virtude do extravio
da 1ª via, a qual fica sem validade caso encontrada.
A 1ª via foi registrada no MEC/UFMG, sob o
nº 1732, Livro RD.2011/2, fls. —,
Proc. 23072.027853/2011-34 em 20/07/2011.

Belo Horizonte, 29 de abril de 2015.

Diretor

MINISTÉRIO DA EDUCAÇÃO
UNIVERSIDADE FEDERAL DE MINAS GERAIS
Registro efetuado nos termos da
lei nº 9.394/96 de 20/12/1996 - Artigo 48 - parágrafo 1º
Número: 5053 Livro: RD. 2015/1
Proc. Nº: 2015/05.00201
Belo Horizonte, 08 maio 2015

Luciana Moreira de Avelar
Diretora da Divisão de Registro de Diplomas

Daniele C. M. Fagundes Zárate
Diretora de Departamento de Registro e Controle Acadêmico

MINISTRY OF EDUCATION
FEDERAL UNIVERSITY OF MINAS GERAIS
OFFICE OF ACADEMIC RECORDS AND REGISTRATION

ACADEMIC TRANSCRIPT

DATE OF ISSUE:
07/26/2011
5:21:08 PM

NAME: NIKOLAS DUARTE CALDEIRA BRANT REGISTRATION NUMBER: 2005034023
ID: MGL2BB0666 – SSP/MG CPF: 012.713.876-54
VOTER ID: 139421450299 DISTRICT: 034 POLLING STATION: 0034
MILITARY DOCUMENT: 110226568829 CIRCUMSCRIPTION: 11 R.M. (MILITARY REGISTRATION) 40 ISSUED BY: ARMY
PARENTS: ANTONIO AUGUSTO CALDEIRA BRANT FILHO AND MARIA ELIZABETH DUARTE CALDEIRA BRANT
DATE OF BIRTH: 10/09/1983 BELO HORIZONTE /MG
NATIONALITY: BRAZILIAN
HIGH SCHOOL COMPLETED AT: COLÉGIO PITÁGORAS
2001/2 – BELO HORIZONTE, MG
METHOD OF ADMISSION TO UFMG: 2005/2 – ENTRANCE EXAM

PROGRAM: MEDICINE EDUCATION MODE: ON-CAMPUS
PROGRAM RECOGNITION: LAW NO. 00971 OF 12/16/1949
CURRICULAR VERSION: 2003/2 MAXIMUM COMPLETION TIME: 08 SEMESTERS
OPTION 1: 1-00-00 MEDICINE-BACHELOR'S DEGREE

2011/1-GRADUATION: MEDICINE-BACHELOR'S DEGREE
GRADUATION CEREMONY DATE: 07/15/2011

COURSES INCLUDED IN THE STUDENT'S CURRICULUM PLAN

Y/S	CODE	NAME OF THE COURSE	CL	CH	CR	FR	PTO	CON	SF
2005/2	BIQ601	CELLULAR BIOCHEMISTRY	CM	90	06	S	070.0	C	A
	MOF001	GENERAL CYTOLOGY AND HISTOLOGY	CM	75	05	S	074.0	C	A
	MOF014	MEDICAL ANATOMY I	CM	120	08	S	074.0	C	A
	MPS003	SOCIAL SCIENCES APPLIED TO HEALTH	CM	60	04	S	091.0	A	A
2006/1	MOF003	SPECIAL MEDICAL HISTOLOGY	CM	120	08	S	074.0	C	A
	MOF005	MEDICAL NEUROANATOMY	CM	60	04	S	076.0	C	A
	MOF015	MEDICAL ANATOMY	CM	120	08	S	060.0	D	A
	MOF611	MEDICAL EMBRYOLOGY	CM	45	03	S	080.0	B	A
	SAM014	MEDICAL PSYCHOLOGY	CM	60	04	S	087.0	B	A
2006/2	BIG601	GENETICS AND EVOLUTION	CM	60	04	S	092.0	A	A
	BIQ608	MEDICAL IMMUNOLOGY	CM	60	04	S	090.0	A	A
	BIQ609	PHYSIOLOGICAL CHEMISTRY	CM	45	03	S	085.0	B	A
	EST612	STATISTICS	OB	30	02	S	090.0	A	A
	FIB007	BIOPHYSICS APPLIED TO MEDICINE	CM	45	03	S	091.0	A	A
	FIB608	MEDICAL PHYSIOLOGY	CM	210	14	S	081.0	B	A
2007/1	FAR004	MEDICAL PHARMACOLOGY I	CM	105	07	S	070.0	C	A
	MED001	HEALTH PRACTICES A	OB	60	04	S	093.0	A	A
	MIC008	MEDICAL MICROBIOLOGY	CM	120	08	S	073.0	C	A
	PAG001	GENERAL PATHOLOGY	CM	105	07	S	074.0	C	A
	PAR006	MEDICAL PARASITOLOGY	CM	90	06	S	073.0	C	A

(CONTINUES)

BELO HORIZONTE, JULY 26, 2011

PROF. FRANCISCO JOSE PENNA
DIRECTOR

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Prof. Fernando Marcos (Unreadable)
Coordinator of the Medical School Faculty/UFMG
Registration 1/2189

MOD. DRCA. 026/F

ACADEMIC TRANSCRIPT

NAME: NIKOLAS DUARTE CALDEIRA BRANT REGISTRATION NUMBER: 2005034023

COURSES INCLUDED IN THE STUDENT'S CURRICULUM PLAN

Y/S	CODE	NAME OF THE COURSE	CL	CH	CR	FR	PTO	CON	SF
2007/2	APM001	PATHOLOGICAL ANATOMY I	CM	75	05	S	074.0	C	A
	CIR001	SURGICAL TECHNIQUE	CM	135	09	S	090.0	A	A
	FAR005	MEDICAL PHARMACOLOGY II	CM	60	04	S	074.0	C	A
	MED002	HEALTH PRACTICES B	OB	45	03	S	090.0	A	A
	MED003	MEDICAL SEMIOTICS I	CM	180	12	S	086.0	B	A
	SAM015	PSYCHIATRIC SEMIOTICS AND NOSOLOGY	M	60	04	S	100.0	A	A
2008/1	APM002	PATHOLOGICAL ANATOMY II	CM	75	05	S	075.0	C	A
	CRR007	TOPICS IN SURGERY	OP	15	01	S	094.0	A	A
	MED004	MEDICAL SEMIOTICS II	CM	255	17	S	080.0	B	A
	MED020	HISTORY OF MEDICINE	OP	15	01	S	085.0	B	A
	MPS004	EPIDEMIOLOGY	CM	75	05	S	082.0	B	A
	PRO003	RADIOLOGY I	CM	75	05	S	096.0	A	A
	PRO005	CLINICAL PATHOLOGY I	CM	75	05	S	082.0	B	A
2008/2	CLM005	General Adult Medicine I	CM	150	10	S	082.0	B	A
	GOB001	Gynecology and Obstetrics I	CM	75	05	S	091.0	A	A
	MED017	Organ and Tissue Transplantation	OP	30	02	S	087.0	B	A
	PED002	General Pediatrics I	CM	150	10	S	086.0	B	A
	PRO006	Clinical Pathology II	CM	135	09	S	077.0	C	A
	SAM016	Applied Medical Psychology	CM	30	02	S	090.0	A	A
2009/1	CIR002	Outpatient Surgery	CM	135	09	S	092.0	A	A
	CLM006	General Adult Medicine II	CM	135	09	S	082.0	B	A
	GOB002	Gynecology and Obstetrics II	CM	75	05	S	089.0	B	A
	MED010	Gastroenterology	OP	60	04	S	085.0	B	A
	MPS005	Health Policy and Planning	CM	75	05	S	098.0	A	A
	PED003	General Pediatrics II	CM	135	09	S	085.0	B	A
2009/2	CIR003	Surgical Clinic	CM	135	09	S	084.0	B	A
	CIR005	Anesthesiology	OP	60	04	S	087.0	B	A
	CLM009	Oncology	OP	60	04	S	077.0	C	A
	MED007	Infectious and Parasitic Diseases	OP	60	04	S	100.0	A	A
	MPS006	Occupational Health	CM	75	05	S	084.0	B	A
2010/1	APM003	Forensic Medicine and Medical Ethics I	OB	60	04	S	084.0	B	A
	GOB004	Internship in Gynecology and Obstetrics	CM	330	22	S	088.0	B	A
	MED005	Internship in ER Medicine and Traumatology	CM	330	22	S	084.0	B	A
2010/2	CIR004	Internship in Surgical Clinic	CM	330	22	S	079.0	C	A
	MPS007	Internship in Public Health	CM	330	22	S	100.0	A	A
2011/1	CLM007	Internship in Internal Medicine |	CM	330	22	S	0.87.0	B	A

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Prof. Fernando Marcos Guadalupe
Coord of the Medical School Faculty/UFMG
Registration 1/2189

MINISTRY OF EDUCATION
FEDERAL UNIVERSITY OF MINAS GERAIS
OFFICE OF ACADEMIC RECORDS AND REGISTRATION

ACADEMIC TRANSCRIPT

DATE OF ISSUE:
07/26/2011
5:21:08 PM

NAME: NIKOLAS DUARTE CALDEIRA BRANT REGISTRATION NUMBER: 2005034023

COURSES INCLUDED IN THE STUDENT'S CURRICULUM PLAN

Y/S	CODE	NAME OF THE COURSE	CL	CH	CR	FR	PTO	CON	SF
	PED004	Internship in Pediatric Clinic	CM	330	22	S	084.0	B	A
	SAM017	Clinical Psychiatry	OB	30	02	S	095.0	A	A

COMPLETION:	CM	OB	OP	OC	OD	EL	EC	GR	TOTAL
REQUIRED COURSE LOAD:	5,940	225	300	0	0	0	0	0	6,465
COMPLETED:	5,940	225	300	0	0	0	0	0	6,465
TO BE COMPLETED:	0	0	0	0	0	0	0	0	0

GRADE POINT AVERAGE (GPA):

2005/2 = 3.34
2006/1 = 2.96
2006/2 = 4.43
2007/1 = 3.25
2007/2 = 4.18
2008/1 = 4.02
2008/2 = 3.94
2009/1 = 4.34
2009/2 = 4.00
2010/1 = 4.00
2010/2 = 4.00

Glossary
Y/S – Year / Semester
CH – Workload
CR – Credits
PTO – Points
CON – Grade
SF – Final Status; A – Approved; D – Exempt; I – Insuficient; R - Regular
CM – Complementary
OB – Mandatory
OP – Optional
OD - Directed Optional
EL – Elective

BELO HORIZONTE, JULY 26, 2011

PROF. FRANCISCO JOSE PENNA
DIRECTOR

FOR THIS DOCUMENT TO BE VALID, THE INITIALS AND STAMP OF THE UNIT DIRECTOR OR THE DRCA ARE REQUIRED ON ALL PAGES, AS WELL AS THEIR SIGNATURE ON THE LAST PAGE.

Prof. Fernando Marcos (Undecipherable)
Coordinator of the Medical School Faculty/UFMG
Registration 1/2189

MOD. DRCA. 026/F

I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.

Marina Viana **Date: June 27, 2025.**

MINISTÉRIO DA EDUCAÇÃO
UNIVERSIDADE FEDERAL DE MINAS GERAIS
DEPARTAMENTO DE REGISTRO E CONTROLE ACADÊMICO

HISTÓRICO ESCOLAR

PÁGINA: 01 DE 03

EMISSÃO: 26/07/2011 17.21.08

NOME: NIKOLAS DUARTE CALDEIRA BRANT
N. REGISTRO: 2005034023
IDENTIDADE: MG12880666 SSP MG
CPF: 01271387654
T. ELEITOR: 139421450299 ZONA: 034 SECAO: 0034
D. MILITAR: 110226568829 CIRC: 11 R.M..: 40 EXPEDIDO POR: EXERCITO
FILIACAO: ANTONIO AUGUSTO CALDEIRA BRANT FILHO
MARIA ELIZABETH DUARTE CALDEIRA BRANT
NASCIMENTO: 09/10/1983 MG/BELO HORIZONTE
NACIONALIDADE: BRASILEIRA
CONCLUSAO 2 GRAU: COLEGIO PITAGORAS
2001/2-MG/BELO HORIZONTE
FORMA DE INGRESSO NA UFMG: 2005/2-VESTIBULAR

CURSO: MEDICINA MODALIDADE EDUCACIONAL: PRESENCIAL
RECONHECIMENTO: LEI N. 00971 DE 16/12/1949
VERSAO CURRICULAR: 2003/2 TEMPO DISPONIVEL P/ INTEGRALIZACAO: 08 SEMESTRES
OPCAO 1: 1-00-00 MEDICINA-BACHARELADO

2011/1-GRADUACAO: MEDICINA-BACHARELADO
COLACAO DE GRAU: 15/07/2011

DISCIPLINAS INTEGRANTES DO CURRICULO PLENO DO ALUNO

A/S	CODIGO	NOME DA DISCIPLINA	CL	CH	CR	FR	PTO	CON	SF
2005/2	BIQ601	BIOQUIMICA CELULAR	CM	90	06	S	070,0	C	A
	MOF001	CITOLOGIA E HISTOLOGIA GERAL	CM	75	05	S	074,0	C	A
	MOF014	ANATOMIA MEDICA I	CM	120	08	S	074,0	C	A
	MPS003	CIENCIAS SOCIAIS APLICADAS A SAUDE	CM	60	04	S	091,0	A	A
2006/1	MOF003	HISTOLOGIA ESPECIAL MEDICA	CM	120	08	S	074,0	C	A
	MOF005	NEUROANATOMIA MEDICA	CM	60	04	S	076,0	C	A
	MOF015	ANATOMIA MEDICA II	CM	120	08	S	060,0	D	A
	MOF611	EMBRIOLOGIA MEDICA	CM	45	03	S	080,0	B	A
	SAM014	PSICOLOGIA MEDICA	CM	60	04	S	087,0	B	A
2006/2	BIG601	GENETICA E EVOLUCAO	CM	60	04	S	092,0	A	A
	BIQ608	IMUNOLOGIA MEDICA	CM	60	04	S	090,0	A	A
	BIQ609	QUIMICA FISIOLOGICA	CM	45	03	S	085,0	B	A
	EST612	ESTATISTICA	OB	30	02	S	090,0	A	A
	FIB007	BIOFISICA APLICADA A MEDICINA	CM	45	03	S	091,0	A	A
	FIB608	FISIOLOGIA MEDICA	CM	210	14	S	081,0	B	A
2007/1	FAR004	FARMACOLOGIA MEDICA I	CM	105	07	S	070,0	C	A
	MED001	PRATICAS DE SAUDE A	OB	60	004	S	093,0	A	A
	MIC008	MICROBIOLOGIA MEDICA	CM	120	08	S	073,0	C	A
	PAG001	PATOLOGIA GERAL	CM	105	07	S	074,0	C	A
	PAR006	PARASITOLOGIA MEDICA	CM	90	06	S	073,0	C	A

(CONTINUA)

BELO HORIZONTE, 26 DE JULHO DE 2011

PROF. FRANCISCO JOSE PENNA
DIRETOR

PARA QUE ESTE DOCUMENTO SEJA VÁLIDO SÃO NECESSÁRIOS A RUBRICA E O CARIMBO DO DIRETOR DA UNIDADE OU DO DRCA EM TODAS AS PÁGINAS, BEM COMO SUA ASSINATURA NA ÚLTIMA PÁGINA.

Primeiro Marcio Luiz Reis
Coordenador do Colegiado do Curso de Medicina UFMG
Matrícula: 1721

MOD. DRCA - 026/F

MINISTÉRIO DA EDUCAÇÃO
UNIVERSIDADE FEDERAL DE MINAS GERAIS
DEPARTAMENTO DE REGISTRO E CONTROLE ACADÊMICO

HISTÓRICO ESCOLAR

PÁGINA: 02 DE 03

EMISSÃO: 26/07/2011 17.21.08

NOME: NIKOLAS DUARTE CALDEIRA BRANT N. REGISTRO: 2005034023

DISCIPLINAS INTEGRANTES DO CURRICULO PLENO DO ALUNO

A/S	CODIGO	NOME DA DISCIPLINA	CL	CH	CR	FR	PTO	CON	SF
2007/2	APM001	ANATOMIA PATOLOGICA I	CM	75	05	S	074,0	C	A
	CIR001	TECNICA CIRURGICA	CM	135	09	S	090,0	A	A
	FAR005	FARMACOLOGIA MEDICA II	CM	60	04	S	074,0	C	A
	MED002	PRATICAS DE SAUDE B	OB	45	03	S	090,0	A	A
	MED003	SEMIOLOGIA MEDICA I	CM	180	12	S	086,0	B	A
	SAM015	SEMIOLOGIA E NOSOLOGIA PSIQUIATRICA	CM	60	04	S	100,0	A	A
2008/1	APM002	ANATOMIA PATOLOGICA II	CM	75	05	S	075,0	C	A
	CIR007	TOPICOS EM CIRURGIA	OP	15	01	S	094,0	A	A
	MED004	SEMIOLOGIA MEDICA II	CM	255	17	S	080,0	B	A
	MED020	HISTORIA DA MEDICINA	OP	15	01	S	085,0	B	A
	MPS004	EPIDEMIOLOGIA	CM	75	05	S	082,0	B	A
	PRO003	RADIOLOGIA I	CM	75	05	S	096,0	A	A
	PRO005	PATOLOGIA CLINICA I	CM	75	05	S	082,0	B	A
2008/2	CLM005	MEDICINA GERAL DE ADULTOS I	CM	150	10	S	082,0	B	A
	GOB001	GINECOLOGIA E OBSTETRICIA I	CM	75	05	S	091,0	A	A
	MED017	TRANSPLANTE DE ORGAOS E TECIDOS	OP	30	02	S	087,0	B	A
	PED002	MEDICINA GERAL DE CRIANCAS I	CM	150	10	S	086,0	B	A
	PRO006	PATOLOGIA CLINICA II	CM	135	09	S	077,0	C	A
	SAM016	PSICOLOGIA MEDICA APLICADA	CM	30	02	S	090,0	A	A
2009/1	CIR002	CIRURGIA AMBULATORIAL	CM	135	09	S	092,0	A	A
	CLM006	MEDICINA GERAL DE ADULTOS II	CM	135	09	S	082,0	B	A
	GOB002	GINECOLOGIA E OBSTETRICIA II	CM	75	05	S	089,0	B	A
	MED010	GASTROENTEROLOGIA	OP	60	04	S	085,0	B	A
	MPS005	POLITICA DE SAUDE E PLANEJAMENTO	CM	75	05	S	098,0	A	A
	PED003	MEDICINA GERAL DE CRIANCAS II	CM	135	09	S	085,0	B	A
2009/2	CIR003	CLINICA CIRURGICA	CM	135	09	S	084,0	B	A
	CIR005	ANESTESIOLOGIA	OP	60	04	S	087,0	B	A
	CLM009	ONCOLOGIA	OP	60	04	S	077,0	C	A
	MED007	DOENCAS INFECCIOSAS E PARASITARIAS	OP	60	04	S	100,0	A	A
	MPS006	SAUDE DO TRABALHADOR	CM	75	05	S	084,0	B	A
2010/1	APM003	MEDICINA LEGAL E DEONTOLOGIA MEDICA I	OB	60	04	S	084,0	B	A
	GOB004	INTERNATO EM GINECOLOGIA E OBSTETRICIA	CM	330	22	S	088,0	B	A
	MED005	INTERNATO MEDIC.URGENCIA E TRAUMATOLOGIA	CM	330	22	S	084,0	B	A
2010/2	CIR004	INTERNATO EM CLINICA CIRURGICA	CM	330	22	S	079,0	C	A
	MPS007	INTERNATO EM SAUDE COLETIVA	CM	330	22	S	100,0	A	A
2011/1	CLM007	INTERNATO EM CLINICA MEDICA	CM	330	22	S	087,0	B	A

(CONTINUA)

BELO HORIZONTE, 26 DE JULHO DE 2011

PROF. FRANCISCO JOSE PENNA
DIRETOR

PARA QUE ESTE DOCUMENTO SEJA VÁLIDO SÃO NECESSÁRIOS A RUBRICA E O CARIMBO DO DIRETOR DA UNIDADE OU DO DRCA EM TODAS AS PÁGINAS, BEM COMO SUA ASSINATURA NA ÚLTIMA PÁGINA.

Curso de Medicina UFMG
Matrícula: 172189

MOD. DRCA - 026/F

MINISTÉRIO DA EDUCAÇÃO
UNIVERSIDADE FEDERAL DE MINAS GERAIS
DEPARTAMENTO DE REGISTRO E CONTROLE ACADÊMICO

HISTÓRICO ESCOLAR

PÁGINA: DE

EMISSÃO: 03 03

26/07/2011
17.21.08

NOME: NIKOLAS DUARTE CALDEIRA BRANT N. REGISTRO: 2005034023

DISCIPLINAS INTEGRANTES DO CURRICULO PLENO DO ALUNO

A/S	CODIGO	NOME DA DISCIPLINA	CL	CH	CR	FR	PTO	CON	SF
	PED004	INTERNATO EM CLINICA PEDIATRICA	CM	330	22	S	084,0	B	A
	SAM017	PSIQUIATRIA CLINICA	OB	30	02	S	095,0	A	A

INTEGRALIZACAO:	CM	OB	OP	OC	OD	EL	EC	GR	TOTAL
CARGA HORARIA NECESSARIA:	5.940	225	300	0	0	0	0	0	6.465
CURSADA :	5.940	225	300	0	0	0	0	0	6.465
A CURSAR :	0	0	0	0	0	0	0	0	0

RENDIMENTO SEMESTRAL GLOBAL(RG): 2005/2 = 3,34 2006/1 = 2,96 2006/2 = 4,43
2007/1 = 3,25 2007/2 = 4,18 2008/1 = 4,02
2008/2 = 3,94 2009/1 = 4,34 2009/2 = 4,00
2010/1 = 4,00 2010/2 = 4,00

BELO HORIZONTE, 26 DE JULHO DE 2011

PROF. FRANCISCO JOSE PENNA
DIRETOR

PARA QUE ESTE DOCUMENTO SEJA VÁLIDO SÃO NECESSÁRIOS A RUBRICA E O CARIMBO DO DIRETOR DA UNIDADE OU DO DRCA EM TODAS AS PÁGINAS, BEM COMO SUA ASSINATURA NA ÚLTIMA PÁGINA.

Prof. Fernando Marques Dias
Coordenador do Colegiado
Curso de Medicina/UFMG
Matrícula: 1/2189

MOD. DRCA - 026/F

Carnegie Evaluations LLC
315 East High Street, Bound Brook, New Jersey, 08805
Email: info@carnegieevaluations.com
Website: www.carnegieevaluations.com
Phone: (848)300-0099
Fax: (848) 300-5199

EVALUATION OF ACADEMICS

Carnegie Evaluations LLC, who specializes in the evaluation of foreign educational credentials, has prepared the following academic credential evaluation.

December 5, 2025

Name: **Dr. Nikolas Duarte CALDEIRA BRANT**

Following is a description of Dr. Caldeira Brant's foreign degrees:

Institution:	*Universidade Federal de Minas Gerais*
Degree:	*Titulo de Medico*
Date of Award:	July 2011
Years of Study:	Six
Country:	Brazil

Institution:	*Conselho Regional de Medicina do Estado de Minas Gerais*
Degree:	*Especialidade de Cirurgia Geral*
Date of Award:	January 2016
Country:	Brazil

Institution:	*Fundacao Hospitalar do Estado de Minas Gerais*
Degree:	*Residencia Medica na Especialidade de Cirurgia do Trauma*
Date of Award:	March 2016
Years of Study:	One
Country:	Brazil

Institution:	*Conselho Regional de Medicina do Estado de Minas Gerais*
Degree:	*Especialidade de Cirurgia Vascular*
Date of Award:	March 2018
Country:	Brazil

Academic Equivalency in the United States

DOCTOR OF MEDICINE (M.D)

ONE YEAR OF GRADUATE STUDY IN GENERAL SURGERY

ONE YEAR OF GRADUATE STUDY IN TRAUMA SURGERY

ONE YEAR OF GRADUATE STUDY IN VASCULAR SURGERY

Carnegie Evaluations LLC, offers this evaluation, after reviewing copies of the original diploma certificates and transcripts provided. This evaluation is advisory in nature and is based on the assumption that the submitted documents are accurate. There are no apparent grounds to disbelieve the authenticity and accuracy of the documentation presented on behalf of Dr. Nikolas Duarte Caldeira Brant. In addition, this evaluation is based upon standard scholarly and professional sources as referenced at the end of this document. Carnegie Evaluations LLC, is not responsible for how this evaluation report will be used and is not responsible for damages resulting from such use of this report.

DISCUSSION OF DR. CALDEIRA BRANT'S ACADEMICS

This credential evaluation is provided upon review of the degree certificates and transcripts awarded to Dr. Nikolas Duarte Caldeira Brant during the course of his academic career. An analysis of Dr. Caldeira Brant's foreign educational courses for the *Titulo de Medico* (translated a Title of Physician) from *Universidade Federal de Minas Gerais* (translated as Federal University of Minas Gerais), *Residencia Medica na Especialidade de Cirurgia do Trauma* (translated as Medical Residency in the Specialty of Trauma Surgery) from *Fundacao Hospitalar do Estado de Minas Gerais* (translated as Hospital Foundation of the State of Minas Gerais), *Especialidade de Cirurgia Geral* (translated as Specialty of General Surgery), and *Especialidade de Cirurgia Vascular* (translated as Specialty of Vascular Surgery) from *Conselho Regional de Medicina do Estado de Minas Gerais* (translated as Regional Council of Medicine of the State of Minas Gerais) forms the basis for the following evaluation.

Dr. Caldeira Brant graduated with a Title of Physician from the Federal University of Minas Gerais in July 2011. Federal University of Minas Gerais is an accredited institution of higher education in Belo Horizonte, Brazil. Admission to this program requires graduation from the U.S. equivalent of high school and competitive entrance examinations for admission and enrollment. Dr. Caldeira Brant satisfactorily completed the academic course requirements for the Title of Physician. He majored in Medicine and was awarded a *Titulo de Medico* from the institute.

This, according to the Electronic Database for Global Education (EDGE) created by the American Association of Collegiate Registrars and Admissions Officers (AACRAO), is equivalent to a level of education comparable to a first professional degree in medicine in the United States, namely a Doctor of Medicine (M.D.) degree. The academic criterion maintained by the Federal University of Minas Gerais is significantly similar to those parameters upheld by any other accredited colleges and universities in the United States.

The *Titulo de Medico* curriculum includes advanced bachelor's-level coursework and examinations in Cellular Biochemistry, Medical Anatomy, Social Sciences Applied to Health, Special Medical Histology, Medical Neuroanatomy, Medical Anatomy, Medical Embryology, Medical Psychology, Medical Immunology, Biophysics Applied to Medicine, Surgical Technique, Medical Semiotics, Psychiatric Semiotics and Nosology, History of Medicine, Radiology, General Adult Medicine, Gynaecology and Obstetrics, Organ and Tissue Transplantation, Applied Medical Psychology, Outpatient Surgery, Gastroenterology, Health Policy and Planning, Surgical Clinic, Anaesthesiology, Oncology, Infectious and Parasitic Diseases, Occupational Health, Forensic Medicine and Medical Ethics, and other related subjects.

Thereafter, Dr. Caldeira Brant graduated with the degree " Specialty of General Surgery" from the Regional Council of Medicine of the State of Minas Gerais in January 2016. Regional Council of Medicine of the State of Minas Gerais is an accredited institution of higher education in Belo Horizonte, Brazil. Admission to this program requires graduation from Bachelor level studies and competitive entrance examinations for admission and enrollment. Dr. Caldeira Brant satisfactorily completed the academic course requirements for a Specialty of General Surgery. He majored in General Surgery and was awarded *Especialidade de Cirurgia Geral* from the institute. This is a graduate program of study that represents the attainment of a level of education comparable to up to one year of graduate study in the United States. The academic criterion maintained by the Regional Council of Medicine of the State of Minas Gerais is significantly similar to those parameters upheld by any other accredited colleges and universities in the United States.

Thereafter, Dr. Caldeira Brant completed the Medical Residency program in the Specialty of Trauma Surgery (Program Accredited by CNRM/MEC) from the Hospital Foundation of the State of Minas Gerais, Belo Horizonte, Brazil in March 2016. Admission to this program requires graduation from bachelor-level studies and competitive entrance examinations for admission and enrollment. Dr. Caldeira Brant satisfactorily completed the academic course requirements for a Medical Residency program in the Specialty of Trauma Surgery. He majored in Trauma Surgery and was awarded a *Residencia Medica na Especialidade de Cirurgia do Trauma* from the institute. This is a one-year Medical Residency program that represents the attainment of a level of education comparable to up to one year of graduate study in the United States.

Thereafter, Dr. Caldeira Brant graduated with the degree "Specialty of Vascular Surgery" from the Regional Council of Medicine of the State of Minas Gerais in March 2018. Admission to this program requires graduation from bachelor-level studies and competitive entrance examinations for admission and enrollment. Dr. Caldeira Brant satisfactorily completed the academic course requirements for a Specialty of Vascular Surgery. He majored in Vascular Surgery and was awarded *Especialidade de Cirurgia Vascular* from the institute. This is a graduate program of study that represents the attainment of a level of education comparable to up to one year of graduate study in the United States.

Upon reviewing Dr. Caldeira Brant's academic history, it becomes apparent that Dr. Caldeira Brant has satisfied the course work requirements which are substantially similar and equivalent to those required for the completion of a Doctor of Medicine (M.D.) degree program, and three one-year graduate study programs at an accredited institution of higher education in the United States.

SUMMARY

On the basis of the academic reputations of Federal University of Minas Gerais, Hospital Foundation of the State of Minas Gerais, and Regional Council of Medicine of the State of Minas Gerais, the nature and duration of the academic course work, and the grades attained in the courses, it is the judgment of Carnegie Evaluations LLC that Dr. Caldeira Brant has attained the equivalent of a Doctor of Medicine (M.D.) degree, One year of graduate study in General Surgery, One year of graduate study in Trauma Surgery and One year of graduate study in Vascular Surgery from an accredited institution of higher education in the United States.

Carnegie Evaluations LLC represents this evaluation report to be an accurate and correct evaluation to the best of its knowledge and belief, pursuant to requirements of the Citizenship and Immigration Services of the United States Department of Homeland Security. Carnegie Evaluations LLC does not represent that the documentation submitted to it by anyone for evaluation meets evidentiary standards of any state or federal agency or any court. This evaluation report, as are all such reports provided by Carnegie Evaluations LLC, is advisory for the customer who requested it.

The foregoing evaluation of Dr. Caldeira Brant has been reviewed and approved by me, Dr. Zach G. Zacharia, this day of December 5, 2025.

Sincerely,



Zach G. Zacharia, Ph.D.
Director, Carnegie Evaluations LLC.
Associate Professor of Supply Chain Management
Director, Lehigh Center for Supply Chain Research
Lehigh University

Evaluation Resources:

1. World Higher Education Database. International Association of Universities' Worldwide Database of Higher Education Institutions, Systems and Credentials. www.whed.net.
2. AACRAO EDGE. AACRAO Electronic Database for Global Education. https://www.aacrao.org/edge
3. Central Intelligence Agency (CIA). The World Factbook. https://www.cia.gov/the-world-factbook/
4. ENIC-NARIC. European Network of Information Centres in the European Region, National Academic Recognition Information Centres in the European Union. www.enic-naric.net.

Bio: Professor Zach G. Zacharia

I am the Interim Department Chair, Decision and Technology Analytics (DATA) Department, an Associate Professor of Supply Chain Management, and Director of the Center for Supply Chain Research Lehigh in the College of Business and Economics, Lehigh University, where I teach Graduate and Undergraduate courses in Supply Chain Operations Management and Logistics and Transportation. In addition, I am also a visiting Professor at the Indian Institute of Technology (IIT) in New Delhi, India. I graduated with a B.S. in Mechanical Engineering from the University of Calgary, an MBA from the University of Alberta, and a Ph.D. in Logistics with a minor in Marketing from the University of Tennessee. My current research interests include Collaboration/Coopetition within the Supply Chain, Supplier Satisfaction, and the Physical Internet.

Before joining Academia, I worked at the University of Tennessee, Center for Transportation Research, for six years as an Associate Director. I also worked at the Department of Transportation in Alberta, Canada, for ten years as an Equipment Engineer. I am a principal in BZS Consulting, which primarily focuses on teaching Supply Chain Operations Management and evaluating collaboration and procurement strategies across firms in a supply chain.

I have developed significant international contacts and collaborations with many affiliate schools in several countries in Europe, Asia, and South America. I have evaluated numerous portfolios of international students from countries around the world and have performed in-depth assessments of how these foreign courses are equated to corresponding courses in the United States.

I have 29 refereed publications, including 2 articles in the Journal of Operations Management, 8 articles in the *Journal of Business Logistics,* and articles in *Decision Sciences*, the *Journal of Supply Chain Management, Industrial Marketing Management, International Journal of Production Research, International Journal of Production and Operations Management, International Journal of Logistics Management, Journal of Retailing, Journal of Business and Industrial Marketing, Marketing Management, Supply Chain Management Review, Journal of International Technology and Information Management*, *Journal of Vehicle Design* and *Wall Street Journal*. As a member of a Supply Chain Research Group at the University of Tennessee, I co-authored a book titled "*Supply Chain Management*" (Sage Publications, December 2000). I also contributed a chapter on logistics service providers and new product development in the book titled *Managing Innovation: The New Competitive Edge for Logistics Service Providers*, Stephan M. Wagner ed.**,** Kuehne Foundation Book Series (2007).

Among the awards that Dr. Zacharia has received is the DATA Department Service Award (2023), Staub Faculty Excellence Award (2013) for the College of Business, Lehigh University, Best Paper Finalist (2010) from the Journal of Operations Management, Best Paper Award (2007) from NARTS and Best Dissertation Proposal Award (2000) from University of Arkansas. As a member of a Supply Chain Research Group at the University of Tennessee, he coauthored a book titled Supply Chain Management (Sage Publications, December 2000).

A. Biographical Information

Zach G. Zacharia, Ph.D.
Interim Department Chair, Decision and Technology Analytics Department
Associate Professor Supply Chain Management
Director, Center for Supply Chain Management Lehigh
Supply Chain Management Program Director
Department of Management, College of Business Administration and Economics
Lehigh University, 621 Taylor Street, Bethlehem, PA, 18015
Office: (610) 758-4433, Fax: (610) 758-6941
zgz208@lehigh.edu

EDUCATION

1996 - 2001 **THE UNIVERSITY OF TENNESSEE** **Knoxville, TN**
Doctor of Philosophy in Business Administration

- Major: Logistics, Minor: Marketing
- Dissertation Title: An Analysis of the Effect of Logistics Involvement in Cross-functional Integrated New Product Development Projects (Advisor: Dr. John T. Mentzer)

1988 – 1993 **THE UNIVERSITY OF ALBERTA** **Edmonton, AB**
Master of Business Administration

1981 - 1985 **THE UNIVERSITY OF CALGARY** **Calgary, AB**
Bachelor of Science, Mechanical Engineering

1980 - 1981 **RED DEER COLLGE** **Red Deer, AB**
Bachelor of Science

1979 – 1980 **THE UNIVERSITY OF ALBERTA** **Edmonton, AB**
Bachelor of Science

WORK EXPERIENCE SUMMARY

2016 – Present, Director, Center for Supply Chain Research Lehigh
2013 – Present, Associate Professor – Lehigh University
2008 – 2013 Assistant Professor – Lehigh University
2001 – 2008 Assistant Professor - Texas Christian University
1999 – 2001 Associate Director – Transportation Center, University of Tennessee
1997 – 1999 Assistant Director - Transportation Center, University of Tennessee
1995 – 1997 Senior Research Associate – University of Tennessee
1989 – 1995 Research Engineer – R&D Branch, Alberta Transportation & Utilities
1985 – 1989 Equipment Engineer – Alberta Transportation & Utilities

CONSULTING PROJECTS, EXECUTIVE EDUCATION

2023 Ecofriendly Behavior on Personal Transportation, AFIT, Dalton
2020 Financial Flow in SC, DiCentral, Houston

2020	Expert Witness – Real Estate Company, Bethlehem
2020	Lehigh University, Executive Education, Bethlehem
2019	Lehigh University, Executive Education, Bethlehem
2019	SC Collaboration in Drop Ship, DiCentral, Houston
2018	Coopetition in the Defense Industry, AFIT, Dayton
2018	IIT New Delhi, Executive Education, Delhi, India
2017	Lehigh University, Executive Education, Bethlehem
2016	IIT Madras, Global Initiative of Academic Networks, Chennai, India
2015	Morrison Executive Education, Santo Domingo, Dominican Republic
2014	CSCMP Executive Seminar, Bogota, Columbia
2012	Supply Chain Management Simulation, WAM Systems, Philadelphia
2010	Supply Chain Management Overview, Universidad de Piura, Peru
2007	Procurement of Capability Guidelines, Lockheed Martin Aeronautics
2002	Truck Safety Recommendations, University of Tennessee

B. Publications and Creative Activities

EDITORIAL ROLES (6)

- Senior Associate Editor- *International Journal of Logistics Management (2018-current)*
- Senior Editor- *Journal of Business Logistics (2016- current)*
- Special Issue Editor-(Physical Internet) - *Journal of Business Logistics (2018-2020)*
- Special Issue Editor- (Inter-Disciplinary Research) *Journal of Business Logistics (2014-2015)*
- Editorial Board Member – *Journal of Operations Management*
- Editorial Board Member –*Transportation Journal*
- Editorial Board Member – *Journal of Supply Chain Management*

DISSERTATION COMMITTEE MEMBER (2)

- Michael Plasch - *Supply Chain Collaboration - Investigating Motives, Drivers And Success Factors* – Johannes Kepler University Linz, Austria, 2021
- Kimberly K. Whitehead – *It's A Matter Of Give And Take: Exploring The Role Of Knowledge Transfer Within Supply Chain Collaboration* - University of Texas at Arlington, USA, 2014

BOOK CHAPTERS (5)

- **Zacharia, Zach G**. "Is there a role for Logistics Service Providers in New Product Development?" *Managing Innovation: The New Competitive Edge for Logistics Service Providers*, Stephan M. Wagner ed., Kuehne Foundation Book Series. Ch 7, 2008.
- Mentzer, John T., William J. DeWitt, James S. Keebler, Soonhong Min, Nancy W. Nix, Carlo D. Smith, and **Zach G. Zacharia**, "What is Supply Chain Management" *Supply Chain Management*, Thousand Oaks, CA: Sage Publications, Ch.1, 2000.
- **Zacharia, Zach G**., "R&D and New Product Development in Supply Chain Management" *Supply Chain Management*, John T. Mentzer ed.**,** Thousand Oaks, CA: Sage Publications, Ch.6, 2000.
- **Zacharia, Zach G**., "The Evolution and Growth of Production in Supply Chain Management" *Supply Chain Management*, John T. Mentzer ed., Thousand Oaks, CA: Sage Publications, Ch.8, 2000.
- **Zacharia, Zach G**, "The Evolution and Growth of Information Systems in Supply Chain Management" *Supply Chain Management*, John T. Mentzer ed., Thousand Oaks, CA: Sage Publications, Ch.11, 2000.

REFEREED PUBLICATIONS (29)

29. Varun Jain, Usha Mohan, Zach G. Zacharia, Nada R. Sanders (2022) "Improving patient satisfaction and outpatient diagnostic center efficiency using novel online real-time scheduling" *Operations Research for Health Care,* 32, 1-17, 100338

28. Saif Mir, Misty Blessley, **Zach Zacharia**, John Aloysius (2022) "Mending Fences in the Buyer-Supplier Relationship: The Role of Justice in Relationship Restoration" *Journal of Supply Chain Management*. Vol. 58, No. 3, 23 – 46.

27. Dev, Navin; Ravi Shankar; **Zach Zacharia**, Sanjeev Swami, (2021) "Supply chain resilience for managing the ripple effect in Industry 4.0 for green product diffusion" *International Journal of Physical Distribution & Logistics Management* Vol. 51 No. 8, 897-930.

26. Ballot, Eric, Benoit Montreuil, **Zach G. Zacharia**, (2021) "Physical Internet: First Results and Next Challenges" *Journal of Business Logistics* Vol 42 No. 1, 1 – 7.

25. Treiblmaier, Horst, Kristijan Mirkovski, Paul B. Lowry, **Zach G. Zacharia**, (2020) "The Physical Internet as a New Supply Chain Paradigm: A Systematic

Literature Review and a Comprehensive Framework" *International Journal of Logistics Management* Vol. 31 No. 2, 239-287.

24. **Zach G. Zacharia**, Michael Plasch, Usha Mohan, Markus Gerschberger (2019) "The Emerging Role of Coopetition Within Inter-Firm Relationships" *International Journal of Logistics Management* Vol. 30, No. 2, 414-437.

23. Soonhong Min, **Zach G. Zacharia**, Carlo D. Smith (2019) "Defining Supply Chain Management: In the Past, Present and Future" *Journal of Business Logistics* Vol. 40 No.1, 44-55.

22. Kimberly Whitehead, **Zach Zacharia**, Edmund Prater (2019) "Investigating the Role of Knowledge Transfer in Supply Chain Collaboration" *International Journal of Logistics Management"* Vol. 30, No. 1, 284-302.

21. Misty Blessly, Saif Mir, **Zach G. Zacharia**, John Aloysius (2018) "Breaching Relational Obligations In A Buyer-Supplier Relationship: Feelings Of Violation, Fairness Perceptions And Supplier Switching" *Industrial Marketing Management* Vol. 74, Oct, 215-226.

20. Faraz, Alireza, Nada R. Sanders, **Zach G. Zacharia**, Markus Gerschberger (2018) "Monitoring Type B Buyer-Supplier Relationships" *International Journal of Production Research* Vol. 56, No. 18, 6225-6239.

19. Whitehead, Kimberly, **Zach G. Zacharia**, Edmund Prater, (2016) "Absorptive Capacity Versus Distributive Capability: The Asymmetry of Knowledge Transfer" *International Journal of Operations and Production Management* Vol. 36, No 10, 1308-1332.

18. Nada R. Sanders, Brian R. Fugate, **Zach G. Zacharia**, (2016) "Interdisciplinary Research In SCM: Through the Lens of The Behavioral Theory of The Firm" *Journal of Business Logistics* Vol. 37, No 2, 107-112.

17. Nancy W. Nix, **Zach G. Zacharia,** (2014) "The Impact of Collaborative Engagement on Knowledge and Performance Gains in Episodic Collaborations" *International Journal of Logistics Management* Vol. 25, No 2, 245-269.

16. **Zach G. Zacharia,** Nada R. Sanders, Brian R. Fugate (2014) "The Evolving Role of Disciplines Within Supply Chain Management" *Journal of Supply Chain Management* Vol. 50, No 1, 73-88.

15. Nada R. Sanders, **Zach G. Zacharia**, Brian R. Fugate (2013) "The Interdisciplinary Future of Supply Chain Management Research" *Decision Sciences* Vol. 44, No. 3, 413-429.

14. Geoffrey T. Stewart, **Zach G. Zacharia,** Andrew B. Artis (2012) "Leveraging Relationship Orientation and its Impact on Relationship Outcomes" *Journal of Business and Industrial Marketing,* Vol. 27, No. 8, 644-658.

13. **Zach G. Zacharia,** Nancy W. Nix, Robert F. Lusch (2011) "Capabilities that Enhance Outcomes of an Episodic Supply Chain Collaboration" *Journal of Operations Management*, Vol. 29, No. 6, 591-603.

12. **Zach G. Zacharia,** Nada R. Sanders, Nancy W. Nix (2011) "The Emerging Role of the Third-Party Logistics Provider (3PL) as a Supply Chain Orchestrator" *Journal of Business Logistics*, Vol. 32, No. 1, 40-54.

11. Danny Lanier, Jr., William F. Wempe, **Zach G. Zacharia**, (2010) "Concentrated Supply Chain Membership and Financial Performance: Chain- and Firm-Level Perspectives" *Journal of Operations Management*, Vol.28, No.1, 1-16.

10. **Zach G. Zacharia**, Chad W. Autry, David S. Preston, Charles W. Lamb, (2009) "IT Alignment with Business Strategies in a Healthcare Organizations: An Empirical Analysis" *Journal of International Technology and Information Management*, Vol. 18, No. 3/4, 477-494.

9. **Zach G. Zacharia,** Nancy W. Nix and Robert F. Lusch, (2009) "An Analysis of Supply Chain Collaborations and Their Effect on Performance" *Journal of Business Logistics*, Vol. 30, No. 2, 101-123.

8. Chad W. Autry, **Zach G. Zacharia** and Charles W. Lamb, (2008) "A Logistics Strategy Taxonomy" *Journal of Business Logistics,* Vol. 29. No. 2, 53-74.

7. Nancy W. Nix, Robert F. Lusch, **Zach G. Zacharia**, and Wesley R. Bridges, (2008) "Competent Collaborations" *Marketing Management*, Vol. 17, No. 2, 18-24.

6. **Zach G. Zacharia** and John T. Mentzer (2007) "The Role of Logistics in New Product Development," *Journal of Business Logistics*, Vol. 28, No. 1, 83-110.

    a. Reprinted in:
    b. *Logistique and Management,* Vol. 16, No. 1, 35-53, (2008).

5. **Zach G. Zacharia** and John T. Mentzer (2004) "Logistics Salience In A Changing Environment," *Journal of Business Logistics*, Vol. 25, No. 1, 187-210.

    a. Reprinted in:
    b. *The ICFAI Journal of Supply Chain Management*, Vol. 3, No. 1, 53-72, (2006).

4. Mentzer, John T., William DeWitt, James S. Keebler, Soonhong Min, Nancy W. Nix, Carlo D. Smith, **Zach G. Zacharia** (2001) "Defining Supply Chain Management," *Journal of Business Logistics*, Vol. 22, No. 2, 1-25.

    c. Reprinted in:
    d. *Logistique and Management,* Vol. 9, No. 2, 3-19, (2001).

3. **Zacharia, Zach G**., John E. Tidwell and Stephen H. Richards (2001) "An Overview of Truck and Bus Safety:1999 Knoxville Symposium," *Journal of Vehicle Design*, Vol. 26, No. 4, 442-453.

2. Mentzer, John T., Min Soonhong and **Zach G. Zacharia** (2000) "The Nature of Interfirm Partnering in Supply Chain Management," *Journal of Retailing*, Winter, Vol. 76, Issue 4, 549-568.

1. **Zacharia, Zach G**. and Bart Jennings (1998) "The Use of Active Participation and Group Competition to Facilitate Training and Technology Transfer for Adult Learners," *Transportation Research Record,* No. 1637, 13-18.

PAPERS UNDER REVIEW (2)

- Zach G. Zacharia, Scott C. Ellis, Saif Mir, Robert J. Trent - "Gaining Advantage Through Social Exchange: How and Under What Conditions" (Revise and Resubmit)

- **Saif Mir, Timothy W. Breitbach, Zach G. Zacharia, Benjamin T. Hazen "Supplier Cultivation: An Accelerator Approach to Ecosystem Innovation" (Under Review)**

NON - REFEREED PUBLICATIONS (5)

5. **Zach G. Zacharia** (2020), What Every CFO Needs to Know about Supply Chains

4. **Zach G. Zacharia** (2019), Supply Chain Collaboration in Transformative Vertical Industries (Implications of Omnichannel and Drop Shipping)

3. Robert J. Trent, **Zach G. Zacharia,** (2012) "The Wisdom of Becoming a Preferred Customer," *Supply Chain Management Review* Vol. 16, No. 6, 10-18.

2. Nix, W. Nancy, Robert F. Lusch, **Zach G. Zacharia**, and Wesley R. Bridges, (2007) "The Hand That Feeds You – What Makes Some Collaborations with Suppliers Succeed – When So Many Fail?" *The Journal Report- Business Insight* (A Joint Venture with MIT *Sloan Management Review* and *Wall Street Journal*), Dow Jones and Company

1. **Zacharia, Zach G**. (1994) "Expert System Simplifies Bridge Paint Maintenance Programs," *Materials Performance,* June, 25 - 28.

CONFERENCE PROCEEDINGS (18)

18. **Zach Zacharia**, Timothy Breitbach, Ben Hazen, Saif Mir (2019) "Utilizing Accelerator Programs for adopting Innovations to Encourage the Adoption" *CSCMP Conference,* Anaheim, CA, September 15.
17. **Zach Zacharia**, Timothy Breitbach, Ben Hazen, Saif Mir (2018) "Utilizing Accelerator Programs to Encourage the Adoption of New Innovations in Large Organizations" *DSI Conference,* Chicago, IL, November 17.
16. Robert Weidmer, **Zach Zacharia**, (2018) "Competing Governance Mechanisms in Buyer-Supplier Relationships" *DSI Conference,* Chicago, IL, November 16.
15. **Zach Zacharia**, Michael Plasch, Usha Mohan, Markus Gerschberger (2017) "The Role of Coopetition in Buyer Supplier Relationships" *DSI Conference,* Washington, DC, November 18.
14. **Zach Zacharia**, Michael Plasch, Usha Mohan, Markus Gerschberger (2017) "Understanding the Antecedents and Outcomes of Coopetition" *CSCMP Academic Research Conference,* Atlanta, Georgia, September 24.
13. **Zach Zacharia**, Michael Plasch, Usha Mohan, Markus Gerschberger (2017) "The Evolving Role of Coopetition within the Supply Chain" *CSCMP European Research Seminar,* Barcelona, Spain, May 19.
12. Gouda, Sirish, **Zach Zacharia**, Haritha Saranga (2016) "Linking New Forms of Work Organization and External Integration: Mediating role of cross functional collaboration" *DSI Conference,* Austin, Texas, November 21.
11. Blessley, Misty, Saif Mir, **Zacharia, Zach G.,** John Aloysius (2016) "The role of apologies following transgressions in buyer-supplier relationships." *CSCMP Educator Conference,* Orlando, Florida, September 25.
10. Blessley, Misty, Saif Mir, **Zacharia, Zach G.,** John Aloysius (2016) "The role of transactional and relational psychological contract breach in supplier switching behavior." *CSCMP European Research Seminar,* Vienna, Austria, May 13.
9. Blessley, Misty, Saif Mir, **Zacharia, Zach G.,** John Aloysius (2015) "Should I stay or should I go? The role of transactional and relational psychological contract breach in supplier switching behavior." *CSCMP Educator Conference,* San Diego, California, September 27.
8. **Zacharia, Zach G.,** Nancy W. Nix and Robert F. Lusch (2007) "Supply Chain Collaborations: Project Performance and Business Performance" *18th North American Teaching and Research Conference,* Tempe, Arizona, March 29-31.

7. **Zacharia, Zach G.** (2005) "Team Based Learning in MBA and Undergraduate Supply Chain Management Classes" *16th North American Teaching and Research Conference,* Tempe, Arizona, March 17-19.

6. Nix, Nancy W., **Zach G. Zacharia** and Robert F. Lusch (2005) "Keys to Effective Supply Chain Collaboration" *16th North American Teaching and Research Conference,* Tempe, Arizona, March 17-19.

5. **Zacharia, Zach G.** and Marc E. Ruzicka (2003) "Experiential Learning: Live Business Cases in MBA Supply Management and Logistics Classes" *14th North American Teaching and Research Conference,* Tempe, Arizona , March 21- 23.

4. **Zacharia**, **Zach G** (2000) "The Evolution and Growth of Production in the Supply Chain", *Society for Marketing Advances Conference*, Orlando, Florida, November 8-10.

3. **Zacharia, Zach G**., John E. Tidwell and Stephen H. Richards (2000) "An Overview of Truck and Bus Safety:1999 Knoxville Symposium," *4th International Fatigue Management Conference*, Perth, Australia, March 19-2.

2. **Zacharia, Zach G**. and Bart Jennings (1998), "The Use of Active Participation and Group Competition to Facilitate Training and Technology Transfer for Adult Learners," *Transportation Research Board Conference Proceedings,* Washington, District of Columbia, January 4-8.

1. **Zacharia, Zach G**. (1992), "Bridge Paint Expert Systems"*, Second International Organization for Economic Cooperation and Development (OECD) Conference on Knowledge Based Expert Systems in Transportation*, Montreal, Canada, April 3-7.

CONFERENCE PRESENTATIONS (3)

3. **Zach Zacharia**, (2022) "Identifying and Ranking Supply Chain Risks" *WDSI Conference,* Waikoloa, HI, April 7.

2. Annibal Sodero**, Zach Zacharia**, (2022) "Antecedents and outcomes of drop-shipping adoption in the retail supply chain" Euroama Conference, Berlin, July 3rd

1. Saif Mir**, Zach Zacharia**, (2022) "Risks in Procurement and Sourcing" DSI Conference Houston, November 21

PODCASTS (5)

- **Zacharia, Zach G**. (2021), "Red Flags in the Supply Chain" https://business.lehigh.edu/blog/2021/zach-zacharia-red-flags-supply-chain (July 2nd)

- **Zacharia, Zach G**. (2021), "Red Flags in the Supply Chain" https://business.lehigh.edu/blog/2021/zach-zacharia-red-flags-supply-chain (July 2nd)

- **Zacharia, Zach G**. (2021), "Disruptive New Paradigm of the Physical Internet" https://business.lehigh.edu/blog/2021/zach-zacharia-disruptive-new-paradigm-physical-internet (June 3rd)

- **Zacharia, Zach G**. (2018), "Dealing with Disruptive Innovations in the Supply Chain" (https://cbe.lehigh.edu/blog/posts/dealing-disruptive-innovations-supply-chain) (October 24)

- **Zacharia, Zach G**. (2017), "Drop Shipping: A New Opportunity for Retailers and Suppliers" (https://cbe.lehigh.edu/blog/posts/drop-shipping-new-opportunity-retailers-and-suppliers) December 11

- **Zacharia, Zach G**. (2017), "What You Need to Know About the Physical Internet" (https://cbe.lehigh.edu/blog/posts/what-you-need-know-about-physical-internet (March 14) (Ranked 4th in Google Search for Physical Internet)

WORKING PAPERS (6)

- Zach Zacharia, Michael Plasch, Markus Gerschberger "Explorative and exploitative motives for coopetition" *Target: International Journal of Production Economics*

- Zach Zacharia, Annibal Sodero "Drop Shipping and its Effects on the New E-Commerce Retail Paradigm" *Target: Journal of Operations Management"*

- Zach Zacharia, Robert Wiedmer, Kimberly Whitehead "Competing Governance Mechanisms in Buyer-Supplier Relationships" *Target: Journal of Operations Management*

- Zach Zacharia, Cedric Heuchenne, Nada Sanders, Faraz, Alireza "Comparison of populations based on binary characteristics in the presence of non-response" *Target: Production Operations Management Journal*

- Zach Zacharia, Gopal Kumar "Environmental and social performance leads to supply chain performance? An analysis in context of sustainable collaboration" *Target: Supply Chain Management: An International Journal*

- Zach Zacharia, Benjamin Hazen, Timothy Breitbach, Saif Mir "How Accelerator Programs Facilitate Innovation Adoption in Large Organizations" *Target: Journal of Operations Management*

27. Honors and Awards (25)

2023	DATA Department Service Award, Lehigh University
2018	Teaching Innovation Grant, CBE, Lehigh University
2018	Senior Associate Editor for *International Journal of Logistics Management*
2017	Best Reviewer Award *Journal of Business Logistics*
2016	Editor for *Journal of Business Logistics News*
2016	Associate Editor for *Production Operations Management* Special Issue
2015	Associate Editor for *Journal of Business Logistics*
2015	Member of the *Transportation Journal* Editorial Board
2013	Robert and Christine Staub Faculty Excellence Award
2012	Member of the *Journal of Supply Chain Management* Editorial Board
2011	Best Paper Finalist for 2010 (*Journal of Operations Management*)
2011	Best Paper Award (European DSI Conference)
2010-2011	Council of Supply Chain Management Professional Educator Conference Chair
2010	Member of the *Journal of Operations Management* Editorial Board
2010	Member of the *Journal of Business Logistics* Editorial Board
2009-2010	Supply Chain Management Educator Conference Proceedings Editor
2007-2008	Council of Supply Chain Management Case Editor
2007	Best Paper Award (*NARTS-ISM Conference*)
2006	Tied for highest SPOT (Student Perception of Teaching) score
2005	Highest SPOT (Student Perception of Teaching) in INSC department
2000	Doctoral Dissertation Proposal Award (*University of Arkansas)*
2000	Outstanding Student Paper Award *(Society for Marketing Advances)*
2000	Finalist *(ISBM Doctoral Dissertation Award)*
2000	Scholarly Research Grant Recipient *(University of Tennessee)*
1999, 1997	Fellow *(Council of Logistics Management Doctoral Symposium)*

28. Research Funding (16)

2019	DiCentral – SCM and Financial Flow Research $20,000
2019	Ben Franklin Technology Partners and ESPI $20,000
2018	AFIT – Managing Customer Driven Coopettittion Projects $25,000
2017	DiCentral – Drop Shipment Research $20,000
2014-2015	International Travel Grant - One of 5 recipients selected across the entire University $5000
2011	Faculty Research Grant – Lehigh University (Principal Investigator), Catherine Ridings (Lehigh University) " Does investment in Supply Chain Management and Information Technology provide value for micro firms?" $4500
2009	Summer Research Grant – College of Business and Economics, Lehigh University (Principal Investigator), Nada R. Sanders (Lehigh University, Brian S. Fugate (Colorado State University) *"State of Supply Chain Management: A Visionary Perspective"* $3000
2002-2007	Charles Tandy American Enterprise Center Faculty Research Award *(Texas Christian University)* ($10,000/yr)
2003, 05, 07	Junior Faculty Research Grant *(Institute of Supply Management)* ($750/yr)
2005	Research Center for Teaching Excellence, Faculty Fellow Grant *(Texas Christian University)* ($2500)

F. Scholarly Presentations (79)

- **Zacharia, Zach G.,** "*Supply Chain Collaboration in Transformative Vertical Industries"* Retail Value Chain Federation Conference, Teaneck, New Jersey, May 6, 2019

- **Zacharia, Zach G.,** "*Theoretical and Conceptual Foundations of Supply Chain Management"* PhD Research Seminar, Indian Institute of Technology, New Delhi, January India, January 25, 2018.

- **Zach Zacharia**, Michael Plasch, Usha Mohan, Markus Gerschberger "*The Role of Coopetition in Buyer Supplier Relationships*" *DSI Conference,* Washington, DC, November 18, 2017

- **Zacharia, Zach G.,** "*Utilizing Drop Shipment to Improve Your Bottom Line"* Retail Value Chain Federation Conference, Phoenix, Arizona, November 6, 2017

- **Zach Zacharia**, Michael Plasch, Usha Mohan, Markus Gerschberger "*Understanding the Antecedents and Outcomes of Coopetition*" *CSCMP Academic Research Conference,* Atlanta, Georgia, September 24, 2017

- **Zacharia, Zach G.,** "*Complexity in Supply Chain Management"* PhD Research Seminar, Atlanta, Georgia, September 23, 2017

- **Zacharia, Zach G.,** "*Coopetition Research"* PhD Research Seminar, Atlanta, September 22, 2017

- **Zacharia, Zach G.,** "*Buyer Supplier Relationships"* PhD Research Seminar, Atlanta, September 21, 2017

- **Zacharia, Zach G.,** "*Publishing Research in American Supply Chain Journals"* Indian Institute of Technology, New Delhi, India, July 21, 2017.

- **Zacharia, Zach G.,** "*Transforming Traditional Networks Through the Use of Collaborative Environments"* Supply Chain Leaders in Action Conference, Naples, Florida June 5, 2017

- **Zach Zacharia**, Michael Plasch, Usha Mohan, Markus Gerschberger (2017) "*The Evolving Role of Coopetition within the Supply Chain*" CSCMP European Research Seminar*,* Barcelona, Spain, May 19.

- **Zacharia, Zach G.,** "*Logistics PhD programs in the US panel session"* Logistics Doctoral Symposium, Auburn University, Auburn, February 24, 2017.

- **Zacharia, Zach G.,** "*A Research Journey"* Indian Institute of Technology, Trichy, India, February 6, 2017.

- **Zacharia, Zach G.,** "*Orientation and Firm Infrastructure"* PhD Research Seminar, Logistikum, University of Applied Sciences, Steyr, Austria January 12, 2017

- **Zacharia, Zach G.,** "*Strategy"* PhD Research Seminar, Logistikum, University of Applied Sciences, Steyr, Austria January 11, 2017

- **Zacharia, Zach G.,** "*Conceptual Foundations from Procurement and Operations"* PhD Research Seminar, Logistikum, University of Applied Sciences, Steyr, Austria January 10, 2017

- **Zacharia, Zach G.,** "*Conceptual Foundations from Marketing and Logistics"* PhD Research Seminar, Logistikum, University of Applied Sciences, Steyr, Austria January 9, 2017

- **Zacharia, Zach G.,** "*Theoretical and Conceptual Foundations of Supply Chain Management"* PhD Research Seminar, Logistikum, University of Applied Sciences, Steyr, Austria August 10, 2016

- **Zacharia, Zach G.,** "*Philosophy of Science"* PhD Research Seminar, Logistikum, University of Applied Sciences, Steyr, Austria August 9, 2016

- **Zacharia, Zach G.,** " *Conceptual Foundations of Marketing"* PhD Research Seminar, Logistikum, University of Applied Sciences, Steyr, Austria August 8, 2016

- **Zacharia, Zach G.,** " *Conceptual Foundations of Operations"* PhD Research Seminar, Logistikum, University of Applied Sciences, Steyr, Austria August 10, 2016

- Gouda, Sirish, **Zach Zacharia**, Haritha Saranga (2016) "Linking New Forms of Work Organization and External Integration: Mediating role of cross functional collaboration" *DSI Conference,* Austin, Texas, November 21.

- Blessley, Misty, Saif Mir, **Zacharia, Zach G.,** John Aloysius (2016) "The role of apologies following transgressions in buyer-supplier relationships." *CSCMP Educator Conference,* Orlando, Florida, September 25.

- **Zacharia, Zach G.,** " *Increasing Efficiency and Reducing Cost within a Supply Chain"* Indian Institute of Technology, Madras, India, June 13 2016.

- Blessley, Misty, Saif Mir, **Zacharia, Zach G.,** John Aloysius (2016) "The role of transactional and relational psychological contract breach in supplier switching behavior." *CSCMP European Research Seminar,* Vienna, Austria, May 13.

- Bleasley, Misty, Mir, Saif, **Zacharia, Zach G.,** Aloysius, John " *Should I stay or should I go? The role of transactional and relational psychological contract breach in supplier switching behavior"* Council of Supply Chain Management Educator Conference, San Diego, September 27, 2015.

- **Zacharia, Zach G.,** "*Qualitative and Quantitative Research Paths in SCM"* , University of Arkansas, Fayetteville, Arkansas Feb 27, 2015.

- **Zacharia, Zach G.,** "*Publishing Research in American Supply Chain Journals"* Indian Institute of Management, Bangalore, India, January 13, 2015.

- **Zacharia, Zach G.,** Scott Ellis, Robert J. Trent "*Gaining Advantage Through Social Exchange: How and Under What Conditions"* Production Operation Management Conference, Atlanta, Georgia, May 10, 2014.

- Ellis, Scott, **Zacharia, Zach G.,** Jae-Young Oh "*The Role of Functional Congruence in Cross-Functional and Inter-organizational Collaboration"* Decision Sciences Institute Conference, Baltimore, Maryland, November 19, 2013.

- **Zacharia, Zach G.,** "*Supply Chain Management, Collaboration and their Role Across Businesses and People"* Congress of Latin American Engineering Students, Lima, Peru, October 29, 2013.

- **Zacharia, Zach G.,** Scott Ellis, "*Antecedents to Buyer-Engineer Knowledge Transfer"* Production Operation Management Conference, Denver, Colorado, May 4, 2013.

- **Zacharia, Zach G.,** "*Balancing Effective Research and Teaching"* – Invited Panel Presentation, Council of Supply Chain Management Doctoral Symposium, Atlanta, Georgia, October 1, 2012.

- **Zacharia, Zach G.,** "*What are some of the Factors That Affect the Relationship Between Cross Functional New Product Development and New Product Project Performance?"* Decision Sciences Institute Conference, Boston, Massachusetts, November 22, 2011.

- **Zacharia, Zach G.,** "*Supply Chain Security - An Academic Discussion and Future Research"* Invited Panel Presentation, Decision Sciences Institute Conference, Boston, Massachusetts, November 21, 2011.

- **Zacharia, Zach G.,** "*Conference Chairperson Opening Remarks"* Council of Supply Chain Management Educator Conference, Philadelphia, Pennsylvania, October 2, 2011.

- **Zacharia, Zach G.,** William F. Wempe William and Danny Lanier, Jr. "*Concentrated Supply Chain Membership and Financial Performance: Chain- and Firm-Level Perspectives"* Academy of Management Conference, San Antonio, Texas, August 12 – August 17, 2011.

- **Zacharia, Zach G.** and Catherine M. Ridings *"Does investment in Supply Chain Management and Information Technology provide value for micro firms?"* Production Operations Management Conference, Reno, Nevada, April 28-May 1, 2011.

- **Zacharia, Zach G.** and Robert J. Trent *"Supplier Satisfaction and Innovation Sharing"* Decision Sciences Institute Conference, San Diego, November 20-23, 2010.

- Christoph Bode, Stephan M. Wagner and **Zacharia, Zach G.,** "*The Effect of Cooperation, Supplier Development, and Relationship-Specific Investments on Suppliers' Willingness to Share Innovation"* Decision Sciences Institute Conference, San Diego, November 20-23, 2010.

- **Zacharia, Zach G.** *"Personal Career Development in Academia: What now and How"* Council of Supply Chain Management Professionals Doctoral Symposium, San Diego, September 27, 2010.

- **Zacharia, Zach G.** *"Supply Chain Management Overview"* Executive MBA Program, Universidad de Piura, Piura, Peru, June 12, 2010.

- **Zacharia, Zach G.** *"Supply Chain Management Collaboration Strategies"* CSCMP Roundtable, Lima, Peru, June 11, 2010.

- **Zacharia, Zach G.** and John R. MacDonald *"Are differences in Risk Planning Significant?"* Production and Operations Management Conference, Vancouver, Canada, May 7-10, 2010.

- **Zacharia, Zach G.** and Robert J. Trent *"Supplier Satisfaction – How does it matter?"* Production and Operations Management Conference, Vancouver, Canada, May 7-10, 2010.

- **Zacharia, Zach G.,** Nancy W. Nix, and Robert F. Lusch *"The Moderating Role of Absorptive Capability and Collaborative Communication in Organizational Learning"* 19th *North American Teaching and Research Conference,* Tempe, Arizona, March 11-12, 2010

- **Zacharia, Zach G.** and John R. MacDonald *"Risk Planning: Is it of Value"* Decision Sciences Institute Conference, New Orleans, LA, November 17, 2009.

- **Zacharia, Zach G.** *"When Should New Product Development Managers Consider Distribution Logistics"* Decision Sciences Institute Conference, New Orleans, LA, November 15, 2009.

- John R. MacDonald and **Zacharia, Zach G.** *"Risk and Disruption Management: The Impact of Behavioral Interference"* Behavioral Operations Conference, Syracuse, NY, June 26, 2009.

- **Zacharia, Zach G.,** Nancy W. Nix, and Robert F. Lusch *"The Moderating Role of Absorptive Capability and Collaborative Communication in Organizational Learning"* Production and Operation Management Conference, Orlando, FL, May 2, 2009.

- **Zacharia, Zach G.,** Nancy W. Nix and Robert F. Lusch "Supply Chain Collaborations: Project Performance and Business Performance" *18th North American Teaching and Research Conference,* Tempe, Arizona, March 29-31. (2007)

- **Zacharia, Zach G.,** Nancy W. Nix, and Robert F. Lusch *"The Moderating Role of Absorptive Capability and Collaborative Communication in Organizational Learning"* University of Tennessee, Knoxville, TN, November 7, 2006.

- **Zacharia, Zach G.,** Nancy W. Nix, and Robert F. Lusch *"The Moderating Role of Absorptive Capability and Collaborative Communication in Knowledge Acquisition"* DFWCSMP Roundtable meeting, Dallas, TX, October 12, 2006.

- **Zacharia, Zach G.,** *"Early Supplier Involvement"* National Council for Advanced Manufacturing, Washington, MD, June 7, 2006.

- **Zacharia, Zach G.,** Nancy W. Nix, and Robert F. Lusch *"Keys to Effective Supply Chain Collaboration and Knowledge Acquisition"* National Council for Advanced Manufacturing, Washington, MD, June 7, 2006.

- **Zacharia, Zach G.,** Nancy W. Nix, and Robert F. Lusch *"Keys to Effective Supply Chain Collaboration"* Supplier Network Working Group Meeting, Fort Worth, TX March 16, 2006.

- **Zacharia, Zach G.,** Nancy W. Nix, and Robert F. Lusch *"Keys to Effective Supply Chain Collaboration"* Institute of Supply Management Group Meeting, Fort Worth, Texas, January 3, 2006.

- **Zacharia, Zach G.** "Team Based Learning in MBA and Undergraduate Supply Chain Management Classes" *16th North American Teaching and Research Conference,* Tempe, Arizona, March 17-19. (2005)

- Nix, Nancy W., **Zach G. Zacharia** and Robert F. Lusch "Keys to Effective Supply Chain Collaboration" *16th North American Teaching and Research Conference,* Tempe, Arizona, March 17-19. (2005)

- **Zacharia, Zach G.,** *"Education Strategies"* Council of Logistics Roundtable Leadership Forum, Chicago, Illinois, June 11-12, 2004.
- **Zacharia, Zach G.,** and Nancy W. Nix, *"Supply Chain Collaboration – The role of a 3PL intermediary"* Society of Marketing Advances, New Orleans, Louisiana, November 6 - 8, 2003.
- **Zacharia, Zach G.,** Nancy W. Nix, and Robert F. Lusch *"Collaboration Effectiveness in the Supply Chain: A Knowledge and Capabilities Based Approach"* American Marketing Faculty Consortium, Dallas, Texas, October 30-November 2, 2003.

- **Zacharia, Zach G.,** *"What does it mean to be an education officer in your roundtable?"* Council of Logistics Roundtable Leadership Forum, Chicago, Illinois, June 6-7, 2003.

- Nix, Nancy W. and **Zach G. Zacharia**, Track Chairs "*Going Beyond the Hype: Getting and Measuring the Value from your Supply Chain Initiatives"* Council of Logistics Management Conference, Chicago, Illinois, September 23-27, 2003.
- **Zach G. Zacharia,** *Top 10 Truck Safety Recommendations*, Federal Motor Carrier Safety Administration, Washington, District of Columbia, October 16, 2002.
- **Zach G. Zacharia,** *Logistics Involvement in New Product Development*, University of Arkansas, Fayetteville, Arkansas, September 18, 2002.
- **Zach G. Zacharia,** "Supply and Value Chain Certificate Program" presented at the Supply and Value Chain Conference, Ft. Worth, Texas, February 8, 2002.
- **Zach G. Zacharia,** "*Tennessee Transportation Assistance Program*" presented at the Region 4 LTAP conference, St. Petersburg, Florida, May 16, 2001.
- **Zach G. Zacharia,** "*The Evolution and Growth of Production in the Supply Chain*", *2000 Society for Marketing Advances Conference*, Orlando, Florida, November 8. 2000.
- **Zach G. Zacharia,** and Soonhong Min "*The Nature of Interfirm Partnering in Supply Chain Management*" presented at American Marketing Association, Chicago, Illinois, August 5, 2000.
- **Zach G. Zacharia,** *"Searching the Internet and Web Page Design"* presented at University of Tennessee, Knoxville, Tennessee, April 17, 2000.
- **Zach G. Zacharia,** *"An Overview of Truck and Bus Safety: 1999 Knoxville Symposium* presented at the 4th International Fatigue Management Conference, Perth, Australia, March 19 – 22, 2000.
- **Zach G. Zacharia,** "*Traffic Safety and the Internet*" presented at the Governor Highway Safety Conference, Memphis, Tennessee, July 12-14, 1999.
- **Zach G. Zacharia,** "*Tennessee Transportation Assistance Program*" presented at the Asphalt Emulsion Users Conference, Nashville, Tennessee, November 19, 1998.
- **Zach G. Zacharia** and Barton R. Jennings "*The Use of Active Participation and Group Competition to Facilitate Training and Technology Transfer for Adult Learners*" Transportation Research Board Conference, Washington, District of Columbia, January 10-14, 1998.
- **Zach G. Zacharia,** "*Training Requirements for Local Governments*" presented at the National Transportation Training Conference, Reno, Nevada, October 7-9, 1997.
- **Zach G. Zacharia,** "*Logistics Thought: Key Messages and Implications from the Field of Marketing*," presented at the Council of Logistics Management Doctoral Symposium, Chicago, Illinois, October 3-4, 1997.

- **Zach G. Zacharia,** "*Navigating the Internet*" presented at the Southeast Local Roads Conference, Biloxi, Mississippi, September 24-26, 1997.
- **Zach G. Zacharia,** "*Bridge Paint Expert Systems,"* presented at the Second International Organization for Economic Cooperation and Development (OECD) Conference on Knowledge Based Expert Systems in Transportation, Montreal, Canada, June 14-16, 1992.

G. Teaching and Research Advising

COURSES:

Lehigh University (2008 – Present)

- SCM 186 - Supply Chain Management and Operations (Undergraduate 2008 - present)
- SCM 354 - Logistics and Transportation (Undergraduate 2008-present)
- GBUS 453 – Logistics and Transportation (Graduate 2013 – present)
- GBUS 492- Supply Chain Management Strategy (Graduate 2010- 2015) (Summer Course)
- Advising 14 Supply Chain Management Majors (2021)
- Advising 11 Supply Chain Management Majors (2020)
- Advising 21 Supply Chain Management Majors (2019)
- Advising 5 Supply Chain Management Majors (2018)
- Advising 24 Supply Chain Management Majors (2017)
- Advising 9 Supply Chain Management Majors (2016)
- Advising 27 Supply Chain Management Majors (2015)
- Advising 28 Supply Chain Management Majors (2014)
- Advising 24 Supply Chain Management Majors (2013)
- Advising 9 Supply Chain Management Majors (2012)
- Advising 10 Supply Chain Management Majors (2011)
- Advising 13 Supply Chain Management Majors (2010)
- Advising 6 Supply Chain Management Majors (2009)

Texas Christian University (2001 – 2008)

- Strategic Sourcing and Procurement (Professional MBA) 2007
- Business Simulation (Professional MBA) 2007
- Supply Chain Management Concepts (Full-Time MBA) 2005 – 2008
- Supply Chain Management Concepts (Professional MBA) 2001– 2008
- Logistics and Transportation (Professional MBA) 2001 - 2008
- Supply Chain Tools and Technologies (Professional MBA) 2002
- Logistics and Transportation (Undergraduate) 2001 - 2008
- Supply Chain Management Concepts (Undergraduate) 2003 – 2004
- Supply Chain Tools and Technologies (Undergraduate) 2003
- Procurement and Supply Management (Undergraduate) 2003

University of Tennessee (1996-2001)

- Introduction to Transportation (Undergraduate) Summer 1998
- Introduction to Logistics (Undergraduate) Summer 1999
- Marketing Management (Undergraduate) Spring 2000
- Global Logistics and Transportation (Undergraduate) Summer 2000

H. SERVICE

University

Faculty Compensation Committee (2016 – 2019)

College

Director, Center for Supply Chain Research Lehigh
Promotion and Tenure Committee (2021 – onwards)
Chair, Database and Software Committee (2018 – onwards)
Ph.D. Task Force (2017)
Undergraduate Core Curriculum Committee (2016)
Math Committee to Assess Assessment Results (2010)

Department

BIS Assistant Professor Search Chair – Tenure Track (2021-2021)
SCM Assistant Professor Search Chair – Tenure Track (2020-2020)
DATA Department Chair Search – Tenure Track (2019-2019)
SCM Assistant Professor Search Chair – Tenure Track (2018-2018)
SCM POP Search Chair (2017-2017)
Research Seminar Committee (2010-2011)
SCM Club Faculty Liaison (2009-2019)

Professional (Council of Supply Chain Management Professionals)

Education Committee Member -Lehigh Valley Roundtable (2015-onwards)
President – Lehigh Valley Roundtable (2012-2015)
Education Conference Chair (2010 – 2011)
Education Strategies Committee Member (2007 – 3-year term)
Case Editor (3-year term)
President – Dallas Roundtable (2007-2008)
Vice President – Dallas Roundtable (2006-2007)
Education chair – Dallas Roundtable (2004-2006)
Member (1999 – onwards)

External Service

Rockefeller Group – Expert Service Consulting (Jan 2020)

CFM-CRM/MG

REGIONAL COUNCIL OF MEDICINE OF THE STATE OF MINAS GERAIS

CERTIFICATE

The Regional Council of Medicine of the State of Minas Gerais, in accordance with the current resolution, certifies that it registered, on 01/26/2016, in book no. 86, RQE no. 35237, page no. 4, the qualification of the physician,

NIKOLAS DUARTE CALDEIRA BRANT, CRM No.54706,

in the specialty of
GENERAL SURGERY

Valid in all national territory.

Belo Horizonte, January 26, 2016

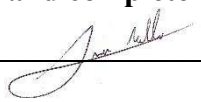
CONS. FÁBIO AUGUSTO DE CASTRO GUERRA
PRESIDENT

CONSA. CLÁUDIA NAVARRO CARVALHO DUARTE LEMOS
1st SECRETARY

CFM-CRM/MG

000009227

I, André Vinícius Inacio Penna Mello, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 27, 2025.

CFM-CRM/MG

CONSELHO REGIONAL DE MEDICINA DO ESTADO DE MINAS GERAIS

CERTIFICADO

O Conselho Regional de Medicina do Estado de Minas Gerais, de acordo com a resolução vigente, certifica que registrou, em 26/01/2016, no livro nº 86, RQE nº 35237, folha nº 4, a qualificação do médico,

NIKOLAS DUARTE CALDEIRA BRANT, CRM nº 54706,

na especialidade de

CIRURGIA GERAL

Com validade em todo o território nacional.

Belo Horizonte, 26 de janeiro de 2016

CONS. FÁBIO AUGUSTO DE CASTRO GUERRA
PRESIDENTE

CONSA. CLÁUDIA NAVARRO CARVALHO DUARTE LEMOS
1º SECRETÁRIO

CFM-CRM/MG

000009227

CFM-CRM/MG

REGIONAL COUNCIL OF MEDICINE OF THE STATE OF MINAS GERAIS

CERTIFICATE

The Regional Council of Medicine of the State of Minas Gerais, in accordance with the current resolution, certifies that it registered, on 03/08/2018, in book no. 96, RQE no. 40636, page no. 84, the qualification of the physician,

NIKOLAS DUARTE CALDEIRA BRANT, CRM No.54706,

in the specialty of
VASCULAR SURGERY

Valid in all national territory.

Belo Horizonte, March 08, 2018

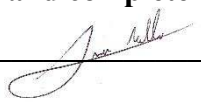
CONS. FÁBIO AUGUSTO DE CASTRO GUERRA
PRESIDENT

CONSA. CLAUDIA NAVARRO CARVALHO DUARTE LEMOS
1st SECRETARY

CFM-CRM/MG

000012147

I, André Vinícius Inacio Penna Mello, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 27, 2025.

CFM-CRM/MG

CONSELHO REGIONAL DE MEDICINA DO ESTADO DE MINAS GERAIS

CERTIFICADO

O Conselho Regional de Medicina do Estado de Minas Gerais, de acordo com a resolução vigente, certifica que registrou, em 08/03/2018, no livro nº 96, RQE nº 40636, folha nº 84, a qualificação do médico,

NIKOLAS DUARTE CALDEIRA BRANT, CRM nº 54706,

na especialidade de

CIRURGIA VASCULAR

Com validade em todo o território nacional.

Belo Horizonte, 08 de março de 2018

CONS. FÁBIO AUGUSTO DE CASTRO GUERRA
PRESIDENTE

CONSA. CLAUDIA NAVARRO CARVALHO DUARTE LEMOS
1ª SECRETÁRIA

CFM-CRM/MG

000012147

HOSPITAL FOUNDATION OF
THE STATE OF MINAS GERAIS

Certificate

HOSPITAL JOÃO XXIII

Program Accredited by CNRM/MEC
Opinion No. 77/2013 of 01/17/2013

We certify that **NIKOLAS DUARTE CALDEIRA BRANT CRM-MG** 54706, **CPF 012.713.876-54** completed Medical Residency in the specialty of **TRAUMA SURGERY**, attended from **03/02/2015 to 03/01/2016**, to whom we grant the title of specialist, in accordance with Law No. 6.932, published in the Federal Official Gazette on 07/09/1981.

Belo Horizonte, March 7, 2016.

Deise Campos Cardoso Afonso
Manager of Education and Research

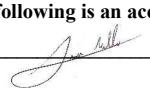
Denise Antônia de Paulo
Director of People Management

Denise Antônia de Paula
Director of People Management
DIGEPE/FHEMIG
MASP: 616223-4

Nikolas Duarte Caldeira Brant
Resident Physician

FHEMIG®
HOSPITAL FOUNDATION OF THE
STATE OF MINAS GERAIS

I, André Vinícius Inacio Penna Mello, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 27, 2025.

FUNDAÇÃO HOSPITALAR DO
ESTADO DE MINAS GERAIS

Certificado

HOSPITAL JOÃO XXIII

Programa Credenciado pela CNRM/MEC
Parecer nº 77/2013 de 17/01/2013

Certificamos que **NIKOLAS DUARTE CALDEIRA BRANT CRM-MG** 54706, **CPF 012.713.876-54** concluiu Residência Médica na especialidade de **CIRURGIA DO TRAUMA**, cursada no período **02/03/2015 a 01/03/2016**, a quem conferimos o título de especialista, de acordo com a Lei nº. 6.932, publicada no Diário Oficial da União em 09/07/1981.

Belo Horizonte, 07 de março de 2016.

Deise Campos Cardoso Afonso
Gerente de Ensino e Pesquisa

Denise Antônia de Paulo
Diretora de Gestão de Pessoas

Denise Antônia de Paulo
Diretora de Gestão de Pessoas
DIGEPE/FHEMIG
MASP: 816223-4

Nikolas Duarte Caldeira Brant
Médico (a) Residente

FHEMIG®
FUNDAÇÃO HOSPITALAR DO
ESTADO DE MINAS GERAIS

Exhibit B - Eligibility Criteria: Work Records

DECLARATION

The City of Betim, through the Municipal Health Fund of Betim/Municipal Health Department, through the Prefeito Osvaldo Resende Franco Regional Public Hospital, registered under CNPJ No. 13.064.113/0001-00, with address at Avenida Edméia Mattos Lazarotti, 3800 - Jardim Brasília - Betim/Minas Gerais, hereby declares that **NIKOLAS DUARTE CALDEIRA BRANT, Regional Council of Medicine (CRM) 54706**, CPF 012.713.876-54, holder of the position of Vascular Surgeon, worked in the **Surgical Center, Outpatient Clinic, and Inpatient Units of the Public Regional Hospital**, as a legal entity (PJ), in February 2018 through the company Medplus Serviços Médicos, and from March 2018 to June 2019 through RCS - Soluções Integradas, on both day and night shifts.

This statement is true and we hereby issue this declaration.

Betim, May 14, 2026.

Fabrícia de Oliveira Lima
Director III of the Surgical Block and Sterile Processing Department
Registration No.: 0203437-9
----//signature//----

Fabrícia de Oliveira Lima

Director III of the Surgical Block and Sterile Processing Department

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: May 15, 2026.

DECLARAÇÃO

O Município de Betim, por meio do Fundo Municipal de Saúde de Betim/Secretaria Municipal de Saúde, através do Hospital Público Regional Prefeito Osvaldo Resende Franco, inscrito no CNPJ sob o nº 13064113/0001-00, com endereço na Avenida Edméia Mattos Lazarotti, 3800 – Jardim Brasília – Betim/MG, declara que, **NIKOLAS DUARTE CALDEIRA BRANT, CRM 54706,** CPF 012.713.876-54, ocupante do cargo de Cirurgião Vascular**,** atuou **Centro Cirúrgico, Ambulatório e Unidades de Internação do Hospital Publico Regional,** como PJ (Pessoa Jurídica), em fevereiro de 2018, pela Empresa Medplus Serviços Médicos e de março de 2018 a junho de 2019, pela RCS – Soluções Integradas em Saúde, em plantões diurnos e noturnos.

Por ser verdade, firmamos a presente declaração.

Betim, 14 de maio de 2026.

Fabrícia de Oliveira Lima
Diretora III - Bloco Cirúrgico e Central de Materiais Esterilização
Matrícula: 0203437-9

Fabrícia de Oliveira Lima

Diretora III de Bloco Cirúrgico e CME



07/03/25

To Whom It May Concern,

This letter is to certify that Mr. Nikolas Duarte Caldeira Brant has been working as an angiologist, vascular surgeon, and specialist in vascular ultrasound with Doppler at the company Centro Diagnóstico Ultrassom de Medicina Interna, Ginecologia e Obstetrícia Ltda. since January 2019 to the present date.

In this position, he has shown consistent career progression, taking on increasing levels of responsibility and demonstrating expertise in his field. His duties as an angiologist, vascular surgeon, and specialist in vascular ultrasound with Doppler include:

- Perform ultrasound exams with excellence;
- Provide patient care in a respectful and welcoming manner;
- Ensure the company operates safely and efficiently, delivering positive outcomes for the company and patient satisfaction;
- Prepare and review descriptive medical reports;
- Participate in meetings.

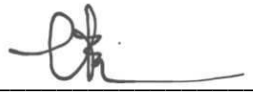
Please do not hesitate to contact me via email (diretoriaexecutiva@cedus.com.br) or by phone at +5531 8618-6476, should you have any further questions regarding Mr. Nikolas Duarte Caldeira Brant's professional experience or qualifications.

Sincerely,

-----//Signature//----
Jacqueline Portella

Executive Director

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.


_____ Date: October 7, 2025.

CEDUS
CENTRO AVANÇADO EM DIAGNÓSTICO

03/07/25

A quem possa interessar,

A presente carta tem por finalidade certificar que o Sr. Nikolas Duarte Caldeira Brant trabalha como médico angiologista, cirurgião vascular e especialista em ecografia vascular com Doppler na empresa Centro Diagnóstico Ultrassom de Medicina interna, ginecologista e Obstetrícia Ltda., desde janeiro de 2019 até apresente data.

Nesse cargo, ele demonstrou progressão constante na carreira, assumindo níveis crescentes de responsabilidade e demonstrando expertise em sua área de atuação. Suas atribuições como angiologista, cirurgião vascular e especialista em ecografia vascular com Doppler incluíam:

- Realizar exames de ecografia com excelência;
- Realizar atendimento aos pacientes de forma respeitosa e acolhedora;
- Garantir que a empresa opere de forma segura e eficaz, trazendo bons retornos para a empresa e satisfação dos pacientes;
- Elaborar e revisar laudos descritivos;
- Participar de reuniões.

Por favor, não hesite em entrar em contato comigo através do e-mail (diretoriaexecutiva@cedus.com.br) ou pelo telefone +5531 8618-6476, caso haja dúvidas adicionais quanto à experiência profissional ou qualificações do Sr. Nikolas Duarte Caldeira Brant.

Atenciosamente,

Jacqueline Portella

Diretora Executiva

INTERMUNICIPAL HEALTH CONSORTIUM OF ALTO JEQUITINHONHA
Medical Specialties Center - CEM
Beco: Felisberto, No. 101, Centro, Diamantina-Minas Gerais
ZIP Code: 39.100-000 Fax: (38) 3531-3006
Email: gerenciacem@cisaje.mg.gov.br; ouvidoria@cisaje.mg.gov.br
Website: www.cisaje.mg.gov.br

Diamantina, October 22, 2025.

To whom it may concern,

This letter serves to certify that Mr. Nikolas Duarte Caldeira Brant, CRM-MG *(Regional Medical Council)* 54706, has been providing services as an angiologist and vascular surgeon to the Intermunicipal Health Consortium of Alto Jequitinhonha – CISAJE, from June 21, 2022, to the present date.

Demonstrating consistent progression in his professional performance, taking on increasing levels of responsibility and showing expertise in his field. His duties as an angiologist and vascular surgeon include:

- Conduct medical consultations in the field of angiology and vascular surgery with excellence;
- Provide respectful and compassionate care to patients;
- Ensure that the organization operates safely and efficiently, delivering good outcomes for the organization and patient satisfaction.

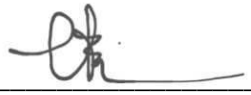
If any additional information is needed, I am available via email at: gerenciacem@cisaje.mg.gov.br.

Sincerely,

Elaine Angélica Canuto Sales Souza
Technical Manager, Medical Specialties Center – CEM/CISAJE
MASP 035

Elaine Angélica Canuto Sales Souza
Technical Manager of the Medical Specialties Center – CISAJE

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.


_____ Date: October 29, 2025.

CISAJE

CONSÓRCIO INTERMUNICIPAL DE SAÚDE DO ALTO JEQUITINHONHA
Centro de Especialidades Médicas - CEM
Beco: Felisberto, nº 101, Centro, Diamantina-MG
CEP: 39.100-000 Telefax: (38)3531-3006
E-mail: gerenciacem@cisaje.mg.gov.br; ouvidoria@cisaje.mg.gov.br
Site: www.cisaje.mg.gov.br

Diamantina, 22 de outubro de 2025.

A quem possa interessar,

A presente carta tem por finalidade certificar que o Sr. Nikolas Duarte Caldeira Brant, CRM-MG 54706, presta serviço como médico angiologista e cirurgião vascular ao Consórcio intermunicipal de Saúde do Alto Jequitinhonha - CISAJE, desde 21 de junho de 2022 até a presente data.

Demonstrando progressão constante na sua atuação profissional, assumindo níveis crescentes de responsabilidade e demonstrando expertise em sua área de atuação. Suas atribuições como angiologista e cirurgião vascular incluem:

- Realizar consultas médicas na área de angiologia e cirurgia vascular com excelência;
- Atendimento respeitoso e acolhedor aos pacientes;
- Garantir que a empresa opere de forma segura e eficaz, trazendo bons retornos para a empresa e satisfação dos pacientes.

Caso sejam necessárias informações complementares, estou à disposição através do e-mail: gerenciacem@cisaje.mg.gov.br.

Atenciosamente,

Elaine Angélica Canuto Sales Souza
Gerente Técnica Centro de Especialidades Médicas-CEM/CISAJE
MASP 035

Elaine Angélica Canuto Sales Souza

Gerente Técnica do Centro de Especialidades Médicas – CISAJE

Belo Horizonte, August 26, 2025

DECLARATION

We hereby declare, for all due purposes, that **Dr. NIKOLAS DUARTE CALDEIRA BRANT** - CRM MG 54.706, CPF 012.713.876-54 is a member of the current medical staff of **HOSPITAL EVANGÉLICO**, working in the specialty of Vascular Surgery, since April 2025 to the present date.

The aforementioned professional performs elective and emergency surgical care, as well as consultations in the inpatient wards and ICU of this Institution.

To date, there is no record of any fact that would discredit his ethical and professional conduct.

Gabriel Assis Lopes do Carmo

Technical Director

Hospital Evangélico of Belo Horizonte

CNPJ: 17.214.743/0001-67

Dr. Gabriel Assis Lopes do Carmo
CRMMG: 44.805
CNS: 980016283760924
Technical Directorate
Hospital Evangélico of Belo Horizonte

I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English, as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.

Marina Viana

Date: October 03, 2025.

Belo Horizonte 26 de agosto de 2025.

DECLARAÇÃO

Declaramos para os devidos fins que o **DR. NIKOLAS DUARTE CALDEIRA BRANT** - CRM MG 54.706, CPF 012.713.876-54 faz parte do atual corpo clínico do **HOSPITAL EVANGÉLICO**, atuando na especialidade de CIRURGIA VASCULAR, desde abril de 2025, até apresente data.

O referido profissional realiza atendimentos cirúrgicos eletivos e de urgência, bem como interconsultas nos leitos de enfermaria e CTI desta Instituição.

Não consta, até o momento, qualquer fato que desabone sua conduta ética e profissional.

Gabriel Assis Lopes do Carmo

Diretor Técnico

Hospital Evangélico de Belo Horizonte

CNPJ: 17.214.743/0001-67

Dr. Gabriel Assis Lopes do Carmo
CRMMG: 44.805
CNS: 980016283760924
Diretoria Técnica
Hospital Evangélico de Belo Horizonte

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Declaration

INSTITUTO HERMES PARDINI S/A, registered under CNPJ No. 19.378.769/0001-76, with headquarters at Rua Aimorés, 66, Aimorés, Belo Horizonte/MG, ZIP Code 30.140-070, hereby declares, at the request of the interested party and for all legal purposes, that **Dr. Nikolas Duarte Caldeira Brant**, Brazilian, Physician, registered under CPF No. 012.713.876-54 and CRM/MG No. 54706, rendered relevant services to this company by performing arterial and venous Duplex Scan and carotid Doppler ultrasound, under a legal entity contract, from May 5, 2018, to May 21, 2025, and that this signatory is not aware of any fact that would discredit his ethical or professional conduct.

In witness whereof, we issue this statement.

Belo Horizonte/MG, August 22, 2025.

DocuSigned by:
Marilene Lucinda Silva

INSTITUTO HERMES PARDINI S/A
Dr. Marilene Lucinda Silva
Executive Manager of Medical Operations

Certificate of Completion

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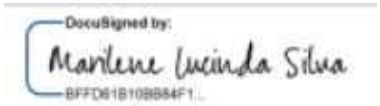
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Vespasiano, MG 33200-000
kemelly.santos@grupopardini.com.br
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Electronic Signature and Record Terms: Accepted: 12/10/2020 | 09:04 ID: 4c6e9f7c-7c4f-4106-886c-7edf5dfc925f		
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Required hardware and software:**

(i) Operating Systems: Windows® 2000, Windows® XP, Windows Vista®; Mac OS®

(ii) Browsers: Final releases of Internet Explorer® 6.0 or higher (Windows only); Mozilla Firefox 2.0 or higher (Windows and Mac); Safari™ 3.0 or higher (Mac only)

(iii) PDF Readers: Acrobat® or similar software may be required to view and print PDF files.

(iv) Screen Resolution: Minimum 800 x 600

(v) Enabled Security Settings: Allow per-session cookies

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Confirmation of your access and consent to receive materials electronically:

To confirm that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will send you in the future, please verify that you were able to read this electronic disclosure and that you were also able to print or electronically save this page for future reference and access; or that you were able to send this disclosure and consent via email to an address through which you can print or save it for future reference and access.

Furthermore, if you agree to receive notices and disclosures exclusively in electronic format under the terms and conditions described above, please let us know by clicking on the “I agree” button below.

By selecting the “I agree” box, I confirm that:

(i) I can access and read this electronic document, entitled CONSENT TO RECEIVE ELECTRONIC RECORDS AND SIGNATURE DISCLOSURES; and

(ii) I can print or save or email this disclosure to a location where I can print it for future reference and access; and (iii) Until or unless I notify GRUPO PARDINI as described above, I consent to receive exclusively in electronic format all notices, disclosures, authorizations, acceptances, and other documents that must be provided or made available to me by GRUPO PARDINI during the course of my relationship with you.

I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English, as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.

Marina Viana

Date: October 06, 2025.

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HERMES PARDINI

Declaração

O **INSTITUTO HERMES PARDINI S/A**, inscrito no CNPJ sob o nº 19.378.769/0001-76, com sede na Rua Aimorés, 66 Aimorés Belo Horizonte / MG, CEP: 30.140-070, declara, a pedido da parte interessada, e para os fins que se fizerem necessários, que o **Dr. Nikolas Duarte Caldeira Brant,** Brasileiro, Médico, inscrito no CPF sob o nº 012.713.876-54 e no CRM/MG sob o nº 54706, prestou relevantes serviços para esta companhia realizando exames de Duplex Scan arterial, venoso e Ecodoppler de carótidas, por meio de contrato de pessoa jurídica, no período de 05 de Maio de 2018 a 21 de Maio de 2025, não sendo de conhecimento deste signatário qualquer fato que desabonasse sua conduta ética e profissional.

Por ser verdade, firmamos a presente.

Belo Horizonte/MG, 22 de agosto de 2025.

DocuSigned by:
Marilene Lucinda Silva
REED61B10BB84F1...

INSTITUTO HERMES PARDINI S/A
Dra. Marilene Lucinda Silva
Gerente Executiva de Operações Médicas

Certificado de Conclusão

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Eventos do signatário	Assinatura	Registro de hora e data
Marilene Lucinda Silva marilene.silva@grupopardini.com.br Gerente Executiva de Operações Médicas Nível de segurança: E-mail, Autenticação da conta (Nenhuma)	DocuSigned by: Marilene Lucinda Silva BFFD61B10BB84F1...	Enviado: 22/8/2025 | 16:18 Visualizado: 1/9/2025 | 09:01 Assinado: 1/9/2025 | 09:01
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Termos de Assinatura e Registro Eletrônico:
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Eventos do signatário presencial	Assinatura	Registro de hora e data

Eventos de entrega do editor	Status	Registro de hora e data

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Eventos de cópia	Status	Registro de hora e data

Eventos com testemunhas	Assinatura	Registro de hora e data

Eventos do tabelião	Assinatura	Registro de hora e data

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Envelope enviado	Com hash/criptografado	22/8/2025 | 16:18
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Concluído	Segurança verificada	1/9/2025 | 09:01

Eventos de pagamento	Status	Carimbo de data/hora

Termos de Assinatura e Registro Eletrônico

CONSENTIMENTO PARA RECEBIMENTO ELETRÔNICO DE REGISTROS ELETRÔNICOS E DIVULGAÇÕES DE ASSINATURA

Registro Eletrônicos e Divulgação de Assinatura

Periodicamente, a GRUPO PARDINI poderá estar legalmente obrigada a fornecer a você determinados avisos ou divulgações por escrito. Estão descritos abaixo os termos e condições para fornecer-lhe tais avisos e divulgações eletronicamente através do sistema de assinatura eletrônica da DocuSign, Inc. (DocuSign). Por favor, leia cuidadosa e minuciosamente as informações abaixo, e se você puder acessar essas informações eletronicamente de forma satisfatória e concordar com estes termos e condições, por favor, confirme seu aceite clicando sobre o botão “Eu concordo” na parte inferior deste documento.

Obtenção de cópias impressas

A qualquer momento, você poderá solicitar de nós uma cópia impressa de qualquer registro fornecido ou disponibilizado eletronicamente por nós a você. Você poderá baixar e imprimir os documentos que lhe enviamos por meio do sistema DocuSign durante e imediatamente após a sessão de assinatura, e se você optar por criar uma conta de usuário DocuSign, você poderá acessá-los por um período de tempo limitado (geralmente 30 dias) após a data do primeiro envio a você. Após esse período, se desejar que enviemos cópias impressas de quaisquer desses documentos do nosso escritório para você, cobraremos de você uma taxa de R$ 0.00 por página. Você pode solicitar a entrega de tais cópias impressas por nós seguindo o procedimento descrito abaixo.

Revogação de seu consentimento

Se você decidir receber de nós avisos e divulgações eletronicamente, você poderá, a qualquer momento, mudar de ideia e nos informar, posteriormente, que você deseja receber avisos e divulgações apenas em formato impresso. A forma pela qual você deve nos informar da sua decisão de receber futuros avisos e divulgações em formato impresso e revogar seu consentimento para receber avisos e divulgações está descrita abaixo.

Consequências da revogação de consentimento

Se você optar por receber os avisos e divulgações requeridos apenas em formato impresso, isto retardará a velocidade na qual conseguimos completar certos passos em transações que te envolvam e a entrega de serviços a você, pois precisaremos, primeiro, enviar os avisos e divulgações requeridos em formato impresso, e então esperar até recebermos de volta a confirmação de que você recebeu tais avisos e divulgações impressos. Para indicar a nós que você mudou de ideia, você deverá revogar o seu consentimento através do preenchimento do formulário “Revogação de Consentimento” da DocuSign na página de assinatura de um envelope DocuSign, ao invés de assiná-lo. Isto indicará que você revogou seu consentimento para receber avisos e divulgações eletronicamente e você não poderá mais usar o sistema DocuSign para receber de nós, eletronicamente, as notificações e consentimentos necessários ou para assinar eletronicamente documentos enviados por nós.

Todos os avisos e divulgações serão enviados a você eletronicamente

A menos que você nos informe o contrário, de acordo com os procedimentos aqui descritos, forneceremos eletronicamente a você, através da sua conta de usuário da DocuSign, todos os avisos, divulgações, autorizações, confirmações e outros documentos necessários que devam ser fornecidos ou disponibilizados a você durante o nosso relacionamento Para mitigar o risco de você inadvertidamente deixar de receber qualquer aviso ou divulgação, nós preferimos fornecer todos os avisos e divulgações pelo mesmo método e para o mesmo endereço que você nos forneceu. Assim, você poderá receber todas as divulgações e avisos eletronicamente ou em formato impresso, através do correio. Se você não concorda com este processo, informe-nos conforme descrito abaixo. Por favor, veja também o parágrafo imediatamente acima, que descreve as consequências da sua escolha de não receber de nós os avisos e divulgações eletronicamente.

Como contatar a GRUPO PARDINI:

Você pode nos contatar para informar sobre suas mudanças de como podemos contatá-lo eletronicamente, solicitar cópias impressas de determinadas informações e revogar seu consentimento prévio para receber avisos e divulgações em formato eletrônico, conforme abaixo:

Para nos contatar por e-mail, envie mensagens para:

Para informar seu novo endereço de e-mail a GRUPO PARDINI:

Para nos informar sobre uma mudança em seu endereço de e-mail, para o qual nós devemos enviar eletronicamente avisos e divulgações, você deverá nos enviar uma mensagem por e-mail para o endereço e informar, no corpo da mensagem: seu endereço de e-mail anterior, seu novo endereço de e-mail. Nós não solicitamos quaisquer outras informações para mudar seu endereço de e-mail.

Adicionalmente, você deverá notificar a DocuSign, Inc para providenciar que o seu novo endereço de e-mail seja refletido em sua conta DocuSign, seguindo o processo para mudança de e-mail no sistema DocuSign.

Para solicitar cópias impressas a GRUPO PARDINI:

Para solicitar a entrega de cópias impressas de avisos e divulgações previamente fornecidos por nós eletronicamente, você deverá enviar uma mensagem de e-mail para e informar, no corpo da mensagem: seu endereço de e-mail, nome completo, endereço postal no Brasil e número de telefone. Nós cobraremos de você o valor referente às cópias neste momento, se for o caso.

Para revogar o seu consentimento perante a GRUPO PARDINI:

Para nos informar que não deseja mais receber futuros avisos e divulgações em formato eletrônico, você poderá:

(i) recusar-se a assinar um documento da sua sessão DocuSign, e na página seguinte, assinalar o item indicando a sua intenção de revogar seu consentimento; ou

(ii) enviar uma mensagem de e-mail para e informar, no corpo da mensagem, seu endereço de e-mail, nome completo, endereço postal no Brasil e número de telefone. Nós não precisamos de quaisquer outras informações de você para revogar seu consentimento. Como consequência da revogação de seu consentimento para documentos online, as transações levarão um tempo maior para serem processadas.

Hardware e software necessários:**

(i) Sistemas Operacionais: Windows® 2000, Windows® XP, Windows Vista®; Mac OS®

(ii) Navegadores: Versões finais do Internet Explorer® 6.0 ou superior (Windows apenas); Mozilla Firefox 2.0 ou superior (Windows e Mac); Safari™ 3.0 ou superior (Mac apenas)

(iii) Leitores de PDF: Acrobat® ou software similar pode ser exigido para visualizar e imprimir arquivos em PDF.

(iv) Resolução de Tela: Mínimo 800 x 600

(v) Ajustes de Segurança habilitados: Permitir cookies por sessão

** Estes requisitos mínimos estão sujeitos a alterações. No caso de alteração, será solicitado que você aceite novamente a divulgação. Versões experimentais (por ex.: beta) de sistemas operacionais e navegadores não são suportadas.

Confirmação de seu acesso e consentimento para recebimento de materiais eletronicamente:

Para confirmar que você pode acessar essa informação eletronicamente, a qual será similar a outros avisos e divulgações eletrônicos que enviaremos futuramente a você, por favor, verifique se foi possível ler esta divulgação eletrônica e que também foi possível imprimir ou salvar eletronicamente esta página para futura referência e acesso; ou que foi possível enviar a presente divulgação e consentimento, via e-mail, para um endereço através do qual seja possível que você o imprima ou salve para futura referência e acesso. Além disso, caso concorde em receber avisos e divulgações exclusivamente em formato eletrônico nos termos e condições descritos acima, por favor, informe-nos clicando sobre o botão “Eu concordo” abaixo.

Ao selecionar o campo “Eu concordo”, eu confirmo que:

(i) Eu posso acessar e ler este documento eletrônico, denominado CONSENTIMENTO PARA RECEBIMENTO ELETRÔNICO DE REGISTRO ELETRÔNICO E DIVULGAÇÃO DE ASSINATURA; e

(ii) Eu posso imprimir ou salvar ou enviar por e-mail esta divulgação para onde posso imprimi-la para futura referência e acesso; e (iii) Até ou a menos que eu notifique a GRUPO PARDINI conforme descrito acima, eu consinto em receber exclusivamente em formato eletrônico, todos os avisos, divulgações, autorizações, aceites e outros documentos que devam ser fornecidos ou disponibilizados para mim por GRUPO PARDINI durante o curso do meu relacionamento com você.

Declaration

Proof of Employment Relationship

We hereby declare, for all due purposes, that **NIKOLAS DUARTE CALDEIRA BRANT**, holder of CPF no. 012.713.876-54 and ID no. 12 880 666, was employed by this Independent Social Service – Hospital Metropolitano Doutor Célio de Castro, CNPJ 22.012.907/0001-03, a private, non-profit institution qualified as a cooperating entity in the provision of public health services, pursuant to Municipal Law No. 10.754/2014.

The employee, registered under no. 1567, worked at this hospital from 05/25/2018 to 09/24/2023, holding the position of **Vascular Surgery Physician** in the **Vascular Surgery** department.

Below is the description of the activities performed by the professional in **Vascular Surgery**:

SUMMARY OF ACTIVITIES:

Perform surgical interventions according to each patient's needs; conduct consultations and medical appointments for patient treatment; implement disease prevention and health promotion actions, both individual and collective; prepare medical documents; and disseminate knowledge in the medical field.

MAIN RESPONSIBILITIES

✓ Diagnose, manage, and treat peripheral vascular diseases, with the skill and training required for conventional and endovascular interventions in all vascular areas, using resources, techniques, and equipment to preserve or restore vascular function;
✓ Perform high-complexity examinations in all vascular areas;
✓ Prescribe treatment, indicating medications and general measures to improve vascular function;
✓ Understand, discuss, and comply with the rules established by the clinic's coordination, contributing knowledge and suggestions for team improvement and better work organization;
✓ Report adverse health events and incidents;
✓ Observe ethical principles throughout the performance of duties;
✓ Participate in collegiate bodies, when requested, contributing to the issues and discussions presented;
✓ Assist in gathering information, monitoring, and meeting indicators and goals set in the department's action plans;
✓ Respond to the institution's request to serve as a Preceptor, Tutor, Instructor, and/or Coordinator in educational activities;
✓ Participate, together with the multidisciplinary team, in continuing health education programs, permanent committees, health surveillance programs, biosafety, hospital epidemiology, and accident prevention, contributing as needed within the scope of one's expertise;
✓ Support hospital management in matters related to the area of expertise, presenting and discussing solutions to problems and irregularities to guide the actions to be adopted and assist in the pursuit of continuous improvement of departmental processes.

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Belo Horizonte - MG - Phone: (31) 3472-4152

✓ Participate in the development and improvement of the Standard Operating Procedures Manual (POP), Health Radiological Protection Program (PRS), or departmental protocols, being familiar with them and guiding daily practice accordingly;

✓ Participate in or act as a facilitator of Continuing Education activities, following the institutional policy, within the scope of one's duties;

✓ Care for the materials and equipment under one's responsibility, used in the performance of duties, to extend their useful life;

✓ Perform work while observing occupational safety requirements, properly using personal protective equipment (EPI) in all activities, and complying with current legislation and institutional regulations;

✓ Support the immediate supervisor in matters related to one's area of expertise, presenting and discussing solutions to problems and irregularities to assist in defining actions to be taken and in pursuing the continuous improvement of departmental processes;

✓ Perform other related duties of a similar level of difficulty, as requested by the immediate supervisor.

Belo Horizonte, September 29, 2025.

FLÁVIA REGINA BARBOSA CAMPOS
Flávia Regina Barbosa Campos – Registration 205
Coordinator of Recruitment and People Development
SSA - Hospital Metropolitano Doutor Celio de Castro
SSA-HMDCC

22.012.907/0001-03
INDEPENDENT SOCIAL SERVICE
HOSPITAL METROPOLITANO DR. CÉLIO DE CASTRO
Rua Dona Luiza, 311
Milionários Neighborhood (Barreiro) – ZIP Code: 30620-090
BELO HORIZONTE — MG

Rua Dona Luiza, 311 - Milionários Neighborhood (Barreiro) - ZIP Code 30.620-090
Belo Horizonte - MG - Phone: (31) 3472-4152

I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English, as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.

Marina Viana

_____ **Date: October 06, 2025.**

HOSPITAL METROPOLITANO DR. CÉLIO DE CASTRO	**Declaração** Comprovação de Vínculo Empregatício	SUS Sistema Único de Saúde

Declaramos, para os devidos fins, que **NIKOLAS DUARTE CALDEIRA BRANT,** portador(a) do CPF 012.713.876-54, identidade 12 880 666, foi empregado deste Serviço Social Autônomo - Hospital Metropolitano Doutor Célio de Castro, CNPJ 22.012.907/0001-03, instituição de direito privado e sem fins econômicos, qualificada como ente de cooperação na prestação de serviços públicos de saúde, nos termos da Lei Municipal 10.754/2014.

O empregado, registrado sob nº 1567, atuou neste hospital desde o período de 25/05/2018 até 24/09/2023, no cargo de **Médico Cirurgia Vascular**, no setor **Cirurgia Vascular**.

Abaixo a descrição das atividades desempenhadas pela profissional no **Cirurgia Vascular:**

DESCRIÇÃO SUMÁRIA DAS ATIVIDADES:

Realizar intervenções cirúrgicas de acordo com a necessidade de cada paciente, realizar consultas e atendimentos médicos para tratamento de pacientes, implementar ações de prevenção de doenças e promoção da saúde tanto individuais quanto coletivas, elaborar documentos médicos e difundir conhecimentos da área médica.

RESPONSABILIDADES PRINCIPAIS

- ✓ Diagnosticar, conduzir e tratar doença vasculares periféricas, com aptidão e treinamento para intervenções convencionais e endovasculares em todos os territórios vasculares, adotando recursos, técnicas e equipamentos para preservar ou restituir a função vascular;
- ✓ Executar exames de alta complexidade em todos os territórios vasculares;
- ✓ Prescrever tratamento, indicando medicamentos e medidas gerais, para obter a melhora da função vascular;
- ✓ Conhecer, discutir e cumprir as normas estabelecidas pela coordenação da clínica e contribuir com conhecimento e sugestões para o aprimoramento da equipe e melhor organização do trabalho;
- ✓ Realizar notificações de eventos adversos e incidentes em saúde;
- ✓ Observar os preceitos éticos no decorrer da execução de suas atividades;
- ✓ Participar de colegiados, quando solicitado, contribuindo nas demandas e tratativas apresentadas;
- ✓ Auxiliar na captação de informações, monitoramento e cumprimento de indicadores e metas previstas em planos de ação do setor;
- ✓ Atender à solicitação da instituição para atuar como Preceptor, Tutor, Docente e/ou Coordenador em atividades de ensino;
- ✓ Participar juntamente com a equipe multiprofissional, de programas de educação continuada em saúde, comissões permanentes, programas de vigilância em saúde, biossegurança, epidemiologia hospitalar e prevenção de acidentes, contribuindo no que for necessário, no âmbito de suas competências;
- ✓ Apoiar as coordenações hospitalares em assuntos inerentes a sua área de atuação, apresentando e discutindo soluções para problemas e irregularidades, a fim de subsidiar a definição de ações a serem adotadas e auxiliar na busca pela melhoria contínua dos processos da área;

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Belo Horizonte – MG – Telefone (31) 3472-4152

- ✓ Participar da elaboração e do aprimoramento do Manual de Procedimentos Operacionais Padrão (POP's), PRS's ou protocolos da área, conhecendo-o e norteando sua prática diária;
- ✓ Participar ou atuar como facilitador das ações de Educação Permanente, conforme política institucional, no âmbito de suas atividades;
- ✓ Zelar pelos materiais e equipamentos sob sua responsabilidade, utilizados na execução do trabalho, a fim de prolongar a vida útil destes;
- ✓ Executar o trabalho observando aspectos relativos à segurança no trabalho, utilizando adequadamente os EPI's em todas as atividades, cumprindo a legislação vigente e normas institucionais;
- ✓ Apoiar o superior imediato em assuntos inerentes a sua área de atuação, apresentando e discutindo soluções para problemas e irregularidades, a fim de subsidiar a definição de ações a serem adotadas e auxiliar na busca pela melhoria contínua dos processos da área;
- ✓ Executar outras tarefas correlatas, com mesmo grau de dificuldade, mediante solicitação do superior imediato.

Belo Horizonte, 29 de setembro de 2025.

FLÁVIA REGINA BARBOSA CAMPOS
Flavia Regina Barbosa Campos - Mat. 205
Coordenadora de Seleção e Desenvolvimento
SSA - Hospital Metropolitano Doutor Célio de Castro
Coordenadora de Seleção e Desenvolvimento de Pessoas
SSA-HMDCC

22.012.907/0001-03
SERVIÇO SOCIAL AUTÔNOMO
HOSPITAL METROPOLITANO DR. CÉLIO DE CASTRO
Rua Dona Luiza, 311
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BELO HORIZONTE — MG

DPGF (Directorate of Fiscal Planning and Management) - GPET (Personnel and Labor Management) - SEFOP - Payroll Processing Service - HOB (Hospital Odilon Behrens)
Avenida José Bonifácio, 85, Administrative Annex, São Cristóvão Neighborhood, Belo Horizonte / Minas Gerais – ZIP Code 31.210-430
Phone numbers: (31) 3277-6295 / 3246-7533 / 3277-6288

DECLARATION

We declare, at the request of the interested party and for legal purposes, that ***NIKOLAS DUARTE CALDEIRA BRANT, ID: MG12880666, CPF:012.713.876-54,*** *is registered as a self-employed professional (RPA) at this Hospital Metropolitano Odilon Behrens, an autonomous agency, CNPJ: 16.692.121/0001-81, established by Municipal Law No. 2,211 of July 20, 1973, and amended by Decree No. 16,336, of May 30, 2016, located at Rua Formiga, No. 50, São Cristóvão Neighborhood, Belo Horizonte/Minas Gerais - ZIP Code: 31110-430,* ***under registration No.35859-1****, for the period* ***from 09/01/2024 to the present date****, in the position of* ***Physician****, in the specialty of* ***Vascular Surgeon****, assigned to the* ***Emergency Unit****.*

He was ***registered*** *as a* ***self-employed professional (RPA),*** *under* ***registration No. 33546-1,*** *from* ***03/01/2018 to 11/01/2023****, in the position of* ***Physician****, in the specialty of* ***Vascular Surgeon,*** *assigned to the* ***Emergency Unit****.*

We also declare that the aforementioned professional was a ***Medical Resident*** *at this Hospital, under registration No.* ***12644-8****, from* ***03/01/2016 to 03/01/2018****, specializing in* ***Vascular Surgeon****, with legal authorization to practice the profession, having the following responsibilities in accordance with the Career Plan of the Hospital Metropolitano Odilon Behrens, Law No. 9,154 of January 12, 2006:*

- *Conduct anamnesis and clinical examinations, requesting additional tests when necessary, establishing care plans, procedures, and interventions, and documenting them;*
- *Properly record the patients' therapeutic plan;*
- *Stay informed about the patient's treatment progress;*
- *Monitor and assess any complications related to the patient;*
- *Analyze, together with other preceptors and residents, the clinical cases of patients to determine the best medical approach;*
- *Participate in meetings with the medical staff, discussing clinical cases, topics in the field, and matters of general interest;*
- *Take part in medical residency programs;*
- *Be technically accountable for the work before the Professional Council of the profession.*

Being a true statement, we assume civil and criminal responsibility for this declaration.

Marcelo Henrique Ferreira
Government Executive Agent
DPGF – GPET-SEFOP – Payroll Processing Service
Hospital Metropolitano Odilon Behrens - HOB

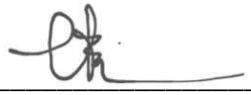
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NIKOLAS DUARTE CALDEIRA BRANT.pdf

Document digitally signed, by simple signature, on Tuesday, September 30, 2025, at 10:41 AM
Signer: MARCELO HENRIQUE FERREIRA Registration Number: HM00467284
Signature hash: 9E68E39495F98F99928D07A6C767ED76CE90D408 To validate, please use the QR Code beside.

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.


_____ Date: October 9, 2025.

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Avenida José Bonifácio, 85, anexo administrativo, bairro São Cristóvão, Belo Horizonte/MG – CEP: 31.210-430
Telefones: (31) 3277-6295 / 3246-7533 / 32776288

DECLARAÇÃO

Declaramos, a pedido da parte interessada e para fins de direito, que ***NIKOLAS DUARTE CALDEIRA BRANT, CI: MG12880666, CPF: 012.713.876-54,*** *está cadastrado (a) como profissional autônomo (a) (RPA), neste Hospital Metropolitano Odilon Behrens, Autarquia, CNPJ: 16.692.121/0001-81, criada através da Lei Municipal n°. 2.211 de 20 de julho de 1973, alterada pelo Decreto nº 16.336, de 30 de maio de 2016, estabelecido à Rua Formiga, nº 50, bairro São Cristóvão, Belo Horizonte/MG – CEP: 31110-430,* ***sob o registro nº 35859-1****, no período de* ***01/09/2024 até a presente data****, no cargo de* ***Médico (a)****, na especialidade de* ***Cirurgião Vascular,*** *lotado (a) na* ***Unidade de Emergência****.*

Foi ***cadastrado (a)*** *como profissional* ***autônomo (a) (RPA),*** *sob* ***o registro nº 33546-1****, no período de* ***01/03/2018 a 01/11/2023****, no cargo de* ***Médico (a)****, na especialidade de* ***Cirurgião Vascular,*** *lotado (a) na* ***Unidade de Emergência****.*

Declaramos, também, que o referido profissional foi ***Médico Residente*** *neste Hospital, sob o registro nº* ***12644-8****, no período de* ***01/03/2016 a 01/03/2018****, na especialidade de* ***Cirurgião Vascular****, com habilitação legal para o exercício da profissão, tendo as seguintes atribuições, de acordo com o Plano de Carreira do Hospital Metropolitano Odilon Behrens, Lei 9.154, de 12 de janeiro de 2006:*

- *Fazer anamnese e exame clínico, solicitando exames complementares, quando necessário, estabelecendo condutas, procedimentos e intervenções, registrando-os;*
- *Registrar adequadamente o plano terapêutico dos pacientes;*
- *Informar-se sobre o acompanhamento evolutivo do tratamento do paciente;*
- *Verificar as intercorrências em relação ao paciente;*
- *Analisar, com outros preceptores e residentes, os casos clínicos dos pacientes, para decidir pela melhor conduta médica;*
- *Participar de reuniões, juntamente com o corpo médico, discutindo casos clínicos, temas da área e assuntos de interesse geral;*
- *Participar dos programas de residência médica;*
- *Responder tecnicamente pelo trabalho perante o Conselho Profissional da classe.*

Sendo a expressão da verdade, responsabilizamo-nos civil e criminalmente pela presente declaração.

Marcelo Henrique Ferreira
Agente Executivo Governamental
DPGF – GPET-SEFOP – Serviço de Processamento da Folha de Pagamento
Hospital Metropolitano Odilon Behrens - HOB

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Diamantina, 07/03/2025

To whom it may concern,

This letter is intended to certify that Mr. Nikolas Duarte Caldeira Brant has been working as an angiologist, vascular surgeon, and specialist in vascular ultrasound with Doppler at Serra Exames Ltda. since April 2018 to the present date.

In this position, he has shown constant career progression, assuming increasing levels of responsibility and demonstrating expertise in his field. His duties as an angiologist, vascular surgeon, and specialist in vascular ultrasound with Doppler included:

- Performing ultrasound examinations with excellence;
- Providing patient care in a respectful and welcoming manner;
- Ensuring that the company operates safely and efficiently, bringing good returns to the company and satisfaction to the patients;
- Preparing and reviewing descriptive reports;
- Participating in meetings.

Please do not hesitate to contact me by email at contato@serraexames.com.br or by phone at +55 38 99951-3265 if you have any additional questions regarding Mr. Nikolas Duarte Caldeira Brant's professional experience or qualifications.

Sincerely,

Adriana Monteiro de Castro G.
Director
Serra Exames

Adriana Monteiro de Castro Gomes
Director

I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English, as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.

Marina Viana

_____ **Date: October 06, 2025.**

SERRA Exames

Diamantina, 03/07/2025

A quem possa interessar,

A presente carta tem por finalidade certificar que o Sr. Nikolas Duarte Caldeira Brant trabalha como médico angiologista, cirurgião vascular e especialista em ecografia vascular com Doppler na empresa Serra Exames Ltda., desde abril de 2018 até a presente data.

Nesse cargo, ele demonstrou progressão constante na carreira, assumindo níveis crescentes de responsabilidade e demonstrando expertise em sua área de atuação. Suas atribuições como angiologista, cirurgião vascular e especialista em ecografia vascular com Doppler incluíam:

- Realizar exames de ecografia com excelência;
- Realizar atendimento aos pacientes de forma respeitosa e acolhedora;
- Garantir que a empresa opere de forma segura e eficaz, trazendo bons retornos para a empresa e satisfação dos pacientes;
- Elaborar e revisar laudos descritivos;
- Participar de reuniões.

Por favor, não hesite em entrar em contato comigo através do e-mail contato@serraexames.com.br ou pelo telefone +55 38999513265, caso haja dúvidas adicionais quanto à experiência profissional ou qualificações do Sr. Nikolas Duarte Caldeira Brant.

Atenciosamente,

Adriana Monteiro de Castro G.
Diretora
Serra Exames

Adriana Monteiro de Castro Gomes
Diretora

Serra Exames Ltda.
CNPJ: 26.078.960/0001-68
Rua da Glória, 94 – Centro
Diamantina/MG
contato@serraexames.com.br

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Soluções Contábeis

ACCOUNTING STATEMENT

Nilton Nonato

CRC (Regional Accounting Council) No. 110586

Address: Rua Manoel Venâncio Martins - 161, Room 204, Palmares, Belo Horizonte/Minas Gerais

To Whom It May Concern,

I, **Nilton Nonato**, accountant, hereby declare, for all due purposes, that Mr. **Nikolas Duarte Caldeira Brant**, Brazilian, married, holder of CPF No. 012.713.876-54, works full-time as Owner and Manager of the company **ANGIOLOGIA LN LTDA**, registered under the National Register of Legal Entities (CNPJ) No. 41.931.508/0001-90, and has been my client since 05/13/2021.

In view of the above, I hereby certify the expertise of Mr. **Nikolas Duarte Caldeira** Brant as the Owner and Manager of **ANGIOLOGIA LN LTDA**, a solid company operating in the medical field, with an active collaborator among its staff.

The company **ANGIOLOGIA LN LTDA** was established on 05/13/2021 and operates in the medical field, with a focus on angiological services. It has experienced substantial growth in revenue over the past few years, which can be observed in its increasing annual revenue over the last five (5) years, as detailed below.

Below, I present a breakdown of the personal income earned by Mr. **Nikolas Duarte Caldeira Brant** over the past five (5) years, detailing the sources of income derived from his professional services, in accordance with the company's financial records and income statements:

- **In 2020**: There was no income in 2020, as the company was only established in 2021.
- **In 2021**: There was no income in 2021, as the first services were rendered only in 2022.

- **In 2022**: R$ **48,395.45**; of which R$ 2,424.00 came from pro-labore withdrawals and R$ 45,971.45 from profit distributions from the company **ANGIOLOGIA LN LTDA**.
- **In 2023**: R$ **116,353.96**; of which R$ 30,054.00 came from pro-labore withdrawals and R$ 86,299.96 from profit distributions from the company **ANGIOLOGIA LN LTDA**.
- **In 2024**: R$ **78,591.89**; of which R$ 32,904.00 came from pro-labore withdrawals and R$ 45,687.89 from profit distributions from the company **ANGIOLOGIA LN LTDA**.
- These amounts are duly recorded in the financial statements and income declarations submitted by Mr. **Nikolas Duarte Caldeira Brant** and his company.

I emphasize that the company has demonstrated robust growth, evidenced by the continuous increase in its annual revenue, which over the past three years has been: **2022: R$ 105,681.49; 2023: R$ 297,585.17; 2024: R$ 325,089.69**; and holds a significant position in the market, operating in a high-demand area, especially in the medical sector.

I remain available for any additional clarifications, if necessary.

Sincerely,

Belo Horizonte-Minas Gerais, August 5, 2025

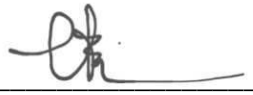


Nilton Nonato

CRC No. 110586

Nilton Nonato
CRC/MG 110.586
CPF: 513.200.456-34

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.


_____ Date: August 29, 2025.

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Soluções Contábeis

DECLARAÇÃO CONTÁBIL

Nilton Nonato

CRC nº 110586

Endereço: Rua Manoel Venâncio Martins – 161, sala 204 – Palmares – Bhte/MG.

A quem possa interessar,

Eu, **Nilton Nonato**, contador, declaro, para os devidos fins, que o Sr. **Nikolas Duarte Caldeira Brant**, brasileiro, casado, portador do CPF nº 012.713.876-54, exerce atividades profissionais em tempo integral como Proprietário e Gestor da empresa **ANGIOLOGIA LN LTDA,** inscrita no Cadastro Nacional da Pessoa Jurídica (CNPJ) sob o nº 41.931.508/0001-90, sendo meu cliente desde 13/05/2021.

Diante do exposto, certifico a expertise do Sr. **Nikolas Duarte Caldeira Brant** como Proprietário e Gestor da **ANGIOLOGIA LN LTDA,** a qual é uma empresa sólida, com atuação no mercado de Medicina, e um colaborador em seu corpo de funcionários.

A empresa **ANGIOLOGIA LN LTDA** teve início em 13/05/2021 e atua no mercado de medicina com ênfase em serviços de angiologia. Ela obteve um crescimento substancial em seu faturamento nos últimos anos, o que pode ser observado em seu crescente faturamento anual dos últimos 5 (cinco) anos como será explicitado a seguir.

A seguir, apresento a discriminação do faturamento pessoal obtido pelo Sr. **Nikolas Duarte Caldeira Brant** nos últimos 5 (cinco) anos, detalhando as fontes de renda advindas de sua prestação de serviços, conforme os registros financeiros da empresa e declarações de renda:

- **Em 2020**: No ano de 2020 não houve renda, uma vez que a empresa só foi iniciada em 2021.
- **Em 2021**: No ano de 2021 não houve renda, uma vez que os primeiros serviços prestados foram apenas em 2022.

- **Em 2022**: R$ **48.395,45**; sendo R$ 2.424,00 proveniente das retiradas pró-labore e R$ 45.971,45 provenientes das retiradas de lucro da empresa **ANGIOLOGIA LN LTDA.**

- **Em 2023**: R$ **116.353,96**; sendo R$ 30.054,00 proveniente das retiradas pró-labore e R$ 86.299,96 provenientes das retiradas de lucro da empresa **ANGIOLOGIA LN LTDA.**

- **Em 2024**: R$ **78.591,89**; sendo R$ 32.904,00 proveniente das retiradas pró-labore e R$ 45.687,89 provenientes das retiradas de lucro da empresa **ANGIOLOGIA LN LTDA.**

- Esses valores estão devidamente registrados nos informes financeiros e nas declarações de rendimentos apresentados pelo Sr. **Nikolas Duarte Caldeira Brant** e sua empresa.

Ressalto que a empresa tem apresentado um crescimento robusto, evidenciado pelo aumento contínuo de sua receita anual, que nos últimos três anos foi de: **2022: R$ 105.681,49; 2023: R$ 297.585,17; 2024: R$ 325.089,69**; e possui uma posição relevante no mercado, atuando em uma área de alta demanda, especialmente no setor de Medicina.

Permaneço à disposição para quaisquer esclarecimentos adicionais, caso necessário.

Atenciosamente,

Belo Horizonte-MG., 05 de Agosto de 2025

Nilton Nonato

CRC nº 110586

Nilton Nonato
CRC/MG 110.586
CPF: 513.200.456-34

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Soluções Contábeis

ACCOUNTING STATEMENT

Nilton Nonato

CRC (Regional Accounting Council) No. 110586

Address: Rua Manoel Venâncio Martins - 161, Room 204, Palmares, Belo Horizonte/Minas Gerais.

To Whom It May Concern,

I, **Nilton Nonato**, accountant, hereby declare, for all due purposes, that Mr. **Nikolas Duarte Caldeira Brant**, Brazilian, married, holder of CPF No. 012.713.876-54, works full-time as Owner and Manager of the company **ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA**, registered under the National Register of Legal Entities (CNPJ) No. 29.905.982/0001-42, and has been my client since 03/09/2018.

In view of the above, I hereby certify the expertise of Mr. **Nikolas Duarte Caldeira Brant** as Owner and Manager of **ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA**, which is a solid company operating in the medical market, without direct or indirect employees and collaborators.

The company **ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA** was established on 03/09/ 2018, and operates in the medical field with a focus on angiological services. It has experienced substantial growth in its revenue over the past years, which can be observed by its increasing annual revenue over the last five (5) years, as detailed below.

Below, I present a breakdown of the personal income earned by Mr. **Nikolas Duarte Caldeira Brant** over the past five (5) years, detailing the sources of income derived from his provision of services, in accordance with the company's financial records and income statements:

- **In 2020**: R$ **33,411.05**, derived from profit distributions from the company **ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA**.

- **In 2021**: R$ **88,417.86**, derived from profit distributions from the company **ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA**.

- **In 2022**: R$ **48,005.08**, derived from profit distributions from the company **ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA**.

- **In 2023**: R$ **56,477.44**, derived from profit distributions from the company **ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA**.

- **In 2024**: R$ **62,641.47**, derived from profit distributions from the company **ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA**.

- These amounts are duly recorded in the financial reports and income declarations submitted by Mr. **Nikolas Duarte Caldeira Brant** and his company.

I emphasize that the company has demonstrated robust growth, evidenced by the continuous increase in its annual revenue, which over the past three years has been: 2022: R$ 323,229.28; 2023: R$ 406,018.46; 2024: R$ 466,082.36; and holds a significant position in the market, operating in a high-demand area, especially in the medical sector.

I remain available for any additional clarifications, if necessary.

Sincerely,

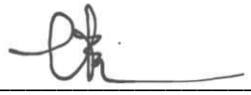
Belo Horizonte-Minas Gerais, August 5, 2025.

Nilton Nonato

CRC No. 110586

Nilton Nonato
CRC/MG 110.586
513.200.456-34

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.


_____ Date: August 29, 2025.

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Soluções Contábeis

DECLARAÇÃO CONTÁBIL

Nilton Nonato

CRC nº 110586

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Diante do exposto, certifico a expertise do Sr. **Nikolas Duarte Caldeira Brant** como Proprietário e Gestor da **ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA**, a qual é uma empresa sólida, com atuação no mercado de Medicina, sem funcionários e colaboradores diretos e indiretos.

A empresa **ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA** teve início em 09/03/2018 e atua no mercado de medicina com ênfase em serviços de angiologia. Ela obteve um crescimento substancial em seu faturamento nos últimos anos, o que pode ser observado em seu crescente faturamento anual dos últimos 5 (cinco) anos como será explicitado a seguir.

A seguir, apresento a discriminação do faturamento pessoal obtido pelo Sr. **Nikolas Duarte Caldeira Brant** nos últimos 5 (cinco) anos, detalhando as fontes de renda advindas de sua prestação de serviços, conforme os registros financeiros da empresa e declarações de renda:

- **Em 2020**: R$ **33.411,05**, proveniente das retiradas de lucro da empresa **ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA.**

- **Em 2021**: R$ **88.417,86**, proveniente das retiradas de lucro da empresa **ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA.**
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- **Em 2024**: R$ **62.641,47**, proveniente das retiradas de lucro da empresa **ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA.**
- Esses valores estão devidamente registrados nos informes financeiros e nas declarações de rendimentos apresentados pelo Sr. **Nikolas Duarte Caldeira Brant** e sua empresa.

Ressalto que a empresa tem apresentado um crescimento robusto, evidenciado pelo aumento contínuo de sua receita anual, que nos últimos três anos foi de: 2022: R$ 323.229,28; 2023: R$ 406.018,46; 2024: R$ 466.082,36; e possui uma posição relevante no mercado, atuando em uma área de alta demanda, especialmente no setor de Medicina.

Permaneço à disposição para quaisquer esclarecimentos adicionais, caso necessário.

Atenciosamente,

Belo Horizonte-MG, 05 de Agosto de 2025

Nilton Nonato

CRC nº 110586

Nilton Nonato
CRC/MG 110.586
513.200.456-34

Exhibit C.I - First Prong: Substancial Merit and National Importance

DFW Vascular Imaging LLC

BUSINESS PLAN 2026



Name: Nikolas Duarte Caldeira Brant
Phone: +55(31) 98458-9510
E-mail: nikolasdcb@gmail.com
Position: General Manager & Director of Vascular Imaging Services

Prepared by:
Nextus Plan

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APPENDIX 1

1.0 Executive Summary

DFW Vascular Imaging LLC will be established by Mr. Nikolas Duarte Caldeira Brant as a specialized healthcare services company focused on delivering high-quality vascular ultrasound diagnostic services across the United States, with an initial operational focus in the Dallas–Fort Worth (DFW) region, Texas. The company will be headquartered in one of the fastest-growing healthcare markets in the country, characterized by a rapidly expanding population, increasing demand for diagnostic services, and a strong network of medical providers.

The company's mission is to provide efficient, accessible, and high-quality non-invasive vascular imaging services through a service delivery model that integrates fixed diagnostic operations with mobile healthcare solutions. This model is designed to enhance access to care, reduce delays in diagnostic processes, and improve clinical outcomes by enabling faster and more reliable vascular assessments.

DFW Vascular Imaging LLC will deliver a comprehensive portfolio of diagnostic services, including vascular ultrasound examinations, carotid duplex imaging, peripheral vascular testing, vein mapping, and mobile imaging services. These services will be complemented by structured workflow coordination, secure reporting systems, and integration with referring healthcare providers, ensuring seamless incorporation into clinical decision-making processes.

Through this integrated service model, the company will support physicians, outpatient clinics, nursing homes, assisted living facilities, and home health agencies in accessing specialized diagnostic services in a timely and efficient manner. The mobile component of the business represents a key differentiator, allowing the company to expand access to underserved populations and reduce logistical barriers associated with traditional hospital-based diagnostic systems.

The company will operate under a scalable service-based model, supported by a lean operational structure and progressive workforce expansion. This approach enables the company to grow in alignment with demand while maintaining operational efficiency and financial sustainability. By focusing on specialized diagnostic services and decentralized care delivery, DFW Vascular Imaging LLC is positioned to serve a broad range of healthcare providers across multiple settings.

Founder Background

Mr. Nikolas Duarte Caldeira Brant is a highly qualified medical professional with extensive experience in vascular medicine, diagnostic imaging, and healthcare operations. He holds a medical degree and advanced training in general surgery, trauma surgery, and vascular surgery, which have been evaluated as equivalent to a Doctor of Medicine (M.D.) in the United States.

Throughout his career, Mr. Duarte has developed significant expertise in vascular diagnostics, including the performance and interpretation support of duplex ultrasound examinations across multiple healthcare environments. His professional background includes work in hospitals, diagnostic centers, and specialized vascular imaging teams, providing him with a strong foundation in both clinical and operational aspects of vascular care.

In addition to his clinical experience, Mr. Duarte has demonstrated entrepreneurial and managerial capabilities through the ownership and operation of medical businesses in Brazil. These operations included the management of clinical services and the coordination of healthcare professionals, contributing to consistent revenue growth and operational efficiency over time.

This combination of technical expertise, clinical experience, and business management positions Mr. Duarte to successfully establish and scale DFW Vascular Imaging LLC in the United States, implementing a structured and efficient diagnostic service model aligned with current healthcare demands.

National Impact and Economic Relevance

The U.S. healthcare system faces ongoing challenges related to access, efficiency, and cost in the delivery of diagnostic services, particularly in the area of vascular disease detection and monitoring.[1] Delays in diagnostic imaging, limited access in decentralized care settings, and reliance on hospital-based infrastructure often result in slower clinical decision-making and increased healthcare costs.[2]

DFW Vascular Imaging LLC is structured to address these challenges by providing specialized, non-invasive vascular diagnostic services through a flexible and decentralized delivery model. By combining mobile imaging capabilities with structured operational workflows, the company enables healthcare providers to access timely diagnostic information, improving patient management and reducing delays in care.

The company's services contribute directly to improving diagnostic efficiency, supporting early detection of vascular conditions, and enhancing the management of chronic diseases such as peripheral arterial disease, venous insufficiency, and stroke risk factors. These improvements generate measurable benefits, including reduced healthcare costs, improved patient outcomes, and increased system efficiency.

Additionally, the company's focus on mobile and facility-based diagnostic services expands access to care for elderly and high-risk populations, particularly those located in nursing homes, assisted living facilities, and home healthcare environments. This approach supports broader public health objectives by improving accessibility and continuity of care across diverse patient populations.

Alignment with U.S. National Priorities

DFW Vascular Imaging LLC's mission and operational model are closely aligned with key U.S. national priorities related to healthcare access, preventive medicine, and system efficiency. As the demand for diagnostic services continues to grow, there is an increasing need for scalable and efficient solutions that can operate outside traditional hospital settings.

[1] https://www.mckinsey.com/industries/healthcare/our-insights/solving-the-healthcare-access-challenge
[2] https://pmc.ncbi.nlm.nih.gov/articles/PMC10004541/

The company's services directly contribute to national objectives, including:

- Expansion of access to diagnostic healthcare services through decentralized and mobile delivery models[3]
- Improvement of early disease detection and preventive care outcomes[4]
- Reduction of inefficiencies and delays in diagnostic processes[5]
- Enhancement of healthcare system capacity without requiring large-scale infrastructure investments[6]
- Support for high-risk and underserved patient populations[7]

By operating in the Dallas–Fort Worth region with a scalable and service-oriented model, DFW Vascular Imaging LLC will support healthcare providers across multiple care settings while contributing to the efficiency, accessibility, and overall effectiveness of the U.S. healthcare system.

1.1 Nature and Scope of the Business

DFW Vascular Imaging LLC will operate as a specialized healthcare services company focused on the delivery of non-invasive vascular ultrasound diagnostic services, designed to improve access, efficiency, and quality of care across the United States. The company will implement a scalable, service-based model that integrates fixed diagnostic operations with mobile healthcare solutions, enabling decentralized and flexible delivery of vascular imaging services.

The company's activities will focus on enabling healthcare providers to transition from centralized, hospital-dependent diagnostic models to more flexible, decentralized service delivery systems, increasing operational efficiency, expanding access to care, and improving patient outcomes. This approach reduces logistical barriers, shortens diagnostic timelines, and supports more effective management of vascular conditions.

Services will be delivered through an operating model combining a fixed diagnostic location with mobile service capabilities, allowing the company to serve multiple healthcare environments while maintaining operational scalability. All service delivery processes will follow structured protocols focused on quality assurance, regulatory compliance, data security, and long-term operational sustainability.

Core Business Activities

DFW Vascular Imaging LLC's activities are structured across core diagnostic services and supporting operational components that enable efficient and scalable service delivery.

[3] https://pmc.ncbi.nlm.nih.gov/articles/PMC10749071/
[4] https://link.springer.com/article/10.1186/s12982-025-00529-2
[5] https://pmc.ncbi.nlm.nih.gov/articles/PMC11813001/
[6] https://www.sciencedirect.com/science/article/pii/S2950550X25000226
[7] https://www.nimhd.nih.gov/about/nih-designated-populations-health-disparities

Core Diagnostic Services

1. **Vascular Ultrasound Diagnostic Services:** DFW Vascular Imaging LLC will provide comprehensive vascular ultrasound examinations, including arterial and venous studies, carotid duplex imaging, and duplex-based monitoring of vascular conditions. These services support the diagnosis and management of conditions such as peripheral arterial disease, venous insufficiency, and thrombotic disorders through non-invasive imaging techniques.
2. **Peripheral Vascular Testing and Hemodynamic Assessment:** The company will deliver complementary diagnostic testing services, including ankle-brachial index (ABI) testing, segmental pressure studies, and hemodynamic evaluations. These services are designed to assess circulatory function and support early detection of vascular disease.
3. **Vein Mapping and Pre-Procedural Diagnostic Support:** DFW Vascular Imaging LLC will offer specialized imaging services to support clinical planning and decision-making prior to vascular and related procedures, contributing to improved procedural accuracy and patient outcomes.

Service Delivery Model

4. **Mobile Vascular Imaging Services:** The company will provide mobile diagnostic services delivered directly at partner healthcare facilities, including outpatient clinics, nursing homes, assisted living centers, and home healthcare environments. This model enhances access to care, reduces patient transportation needs, and improves diagnostic efficiency.

Operational and Value-Added Services

5. **Diagnostic Workflow Coordination and Reporting Support:** DFW Vascular Imaging LLC will implement structured systems for scheduling, service coordination, and reporting. Diagnostic results will be delivered through secure, HIPAA-compliant systems, ensuring integration with provider workflows. Medical interpretation will be performed by a contracted, U.S.-licensed Medical Director.
6. **Preventive Vascular Screening and Early Detection Programs:** The company will support preventive healthcare initiatives through targeted screening services, including evaluations for peripheral arterial disease and carotid artery disease, contributing to early diagnosis and improved long-term outcomes.

Through these activities, DFW Vascular Imaging LLC will enable healthcare providers to access specialized, efficient, and scalable diagnostic services, improving patient care, enhancing operational efficiency, and supporting the broader healthcare system. The company's focus on non-invasive diagnostics, mobile service delivery, and structured operational processes allows its impact to extend across multiple care settings, contributing to national priorities related to healthcare access, preventive medicine, and system efficiency.

1.2 Mr. Nikolas Duarte Caldeira Brant's Expertise

Mr. Nikolas Duarte Caldeira Brant is a highly qualified medical professional with extensive experience in vascular medicine, diagnostic imaging, and healthcare operations. His academic background includes a medical degree obtained from the Federal University of Minas Gerais, one of Brazil's leading institutions, which has been evaluated as equivalent to a Doctor of Medicine (M.D.) degree in the United States.

In addition to his primary medical degree, Mr. Brant has completed advanced postgraduate training, including specialization in General Surgery, a medical residency in Trauma Surgery, and specialization in Vascular Surgery. These programs collectively represent multiple years of advanced clinical training, comparable to graduate-level medical education in the United States, with a strong focus on surgical techniques, vascular conditions, and patient management.

Throughout his professional career, Mr. Brant has developed significant expertise in vascular diagnostics, particularly in the use of duplex ultrasound and non-invasive imaging techniques for the assessment of arterial and venous diseases. His clinical experience includes the evaluation, monitoring, and management support of patients with vascular conditions such as peripheral arterial disease, venous insufficiency, and thrombotic disorders, providing him with a strong technical foundation in vascular imaging.

In parallel with his clinical background, Mr. Brant has demonstrated strong entrepreneurial and managerial capabilities through the establishment and operation of medical service companies in Brazil, including ANGIOCLEAN – Clínica de Angiologia Ltda. and ANGIOLOGIA LN Ltda. In these roles, he has been responsible for overseeing all operational, financial, and administrative aspects of the businesses, including service delivery, patient coordination, and strategic growth initiatives.

Under his leadership, these companies have experienced consistent revenue growth and have established a solid presence in the medical services market, particularly in the field of angiological care. His experience managing healthcare operations without extensive staffing structures demonstrates his ability to operate efficiently, control costs, and deliver specialized services in a streamlined and scalable manner.

Mr. Brant's combined expertise in clinical practice, vascular diagnostics, and business management positions him uniquely to lead the development and expansion of DFW Vascular Imaging LLC. His ability to integrate medical knowledge with operational strategy enables the implementation of a structured and efficient diagnostic service model, aligned with the needs of healthcare providers and the broader objectives of improving access to high-quality diagnostic services in the United States.

2.0 The Company

DFW Vascular Imaging LLC will operate as a specialized healthcare services company focused on the delivery of non-invasive vascular ultrasound diagnostic services in the United States, with an initial operational focus in the Dallas–Fort Worth, Texas region.

The company will adopt a service-driven and operationally efficient model, allowing it to scale progressively as demand increases. Its internal structure is designed to align workforce expansion with service volume, ensuring that operational growth remains consistent with revenue generation and market demand.

Operational Team Structure

To support its service offerings and projected growth, DFW Vascular Imaging LLC will implement a phased hiring strategy, beginning with a lean operational team in Year 1 and expanding into a structured and scalable healthcare services organization by Year 5.

Year 1 – Initial Team Structure

The company will begin operations with a focused team responsible for service delivery, initial market penetration, and partnership development:

- General Manager & Director of Vascular Imaging Services – Mr. Nikolas Duarte Caldeira Brant: Responsible for overall strategic direction, operational oversight, partnership development, and coordination of service delivery.
- Registered Vascular Technologist (RVT) (1): Responsible for performing vascular ultrasound examinations and supporting diagnostic service delivery.
- Medical Director (Part-Time) (1): Responsible for interpretation of diagnostic studies and ensuring compliance with U.S. medical and regulatory standards.
- Sales & Provider Relations Manager (1): Responsible for developing relationships with referring physicians, healthcare facilities, and strategic partners to drive service adoption and revenue generation.

This lean structure ensures efficient capital allocation while enabling the company to initiate operations, establish referral networks, and begin generating revenue.

Year 5 – Expanded Organizational Structure

As the company scales its operations and expands its service capacity, the team will grow to support increased service demand and broader market coverage:

- General Manager & Director of Vascular Imaging Services
- Registered Vascular Technologists (RVTs) (3)
- Medical Directors (Part-Time) (3)
- Administrative / Medical Assistants (2)
- Operations Coordinator (1)

- Sales & Provider Relations Managers (3)
- Outsourced Billing & Credentialing Specialists (2)

This expanded structure supports increased service volume, multiple mobile units, and a broader network of healthcare partnerships, enabling the company to operate efficiently across multiple locations and care settings.

Organizational Purpose and Market Role

Each role within DFW Vascular Imaging LLC's organizational structure is strategically aligned with the company's mission to expand access to specialized vascular diagnostic services through a scalable and decentralized healthcare delivery model.

The integration of clinical support, operational coordination, and provider relationship management enables the company to deliver high-quality diagnostic services while maintaining efficiency and regulatory compliance. The presence of specialized technical staff, combined with structured administrative and operational support, ensures that delivery service remains consistent, reliable, and scalable.

The company's structure reflects a balance between clinical service execution and business development, ensuring that patient care, operational efficiency, and market expansion evolve in parallel. This approach allows DFW Vascular Imaging LLC to increase service capacity, improve diagnostic accessibility, and strengthen its position within the healthcare ecosystem.

By providing specialized vascular imaging services through both fixed and mobile operations, DFW Vascular Imaging LLC addresses a critical gap in the U.S. healthcare system: the need for efficient, accessible, and timely diagnostic solutions for vascular conditions, particularly in decentralized and high-demand care environments.

2.1 Company's Targets

DFW Vascular Imaging LLC will focus on delivering specialized, non-invasive vascular diagnostic services, supporting healthcare providers across the United States in improving access to timely, efficient, and high-quality imaging solutions.

The company's primary objective is to address the growing gap between the increasing demand for vascular diagnostic services and the limited availability of accessible, decentralized imaging providers, particularly outside traditional hospital environments.

Primary Market Focus

Healthcare Providers and Medical Practices

DFW Vascular Imaging LLC will primarily target healthcare providers that require reliable and efficient vascular diagnostic services, including primary care physicians, vascular specialists, cardiologists, and outpatient clinics. These providers frequently encounter operational challenges such as limited imaging availability, extended wait times, and inefficiencies in coordinating diagnostic services.

The company will support these providers by delivering:

- Comprehensive vascular ultrasound diagnostic services
- Carotid and preventive imaging
- Vein mapping and pre-procedural support

Through these services, DFW Vascular Imaging LLC enables healthcare professionals to improve diagnostic accuracy, accelerate clinical decision-making, and enhance patient management.

Secondary Market Focus

Extended Care and Decentralized Healthcare Settings

In addition to traditional medical practices, the company will serve extended care environments, including nursing homes, assisted living facilities, and home health agencies. These settings often face significant limitations in accessing specialized diagnostic services, resulting in delays in patient evaluation and treatment.

DFW Vascular Imaging LLC addresses this need through its mobile service model, which allows diagnostic services to be delivered directly at the point of care. This approach reduces logistical barriers, improves access for elderly and high-risk patients, and supports more efficient and continuous patient monitoring.

Long-Term Strategy and Vision

DFW Vascular Imaging LLC aims to establish itself as a scalable and regionally recognized provider of vascular diagnostic services, with the capacity to expand into additional markets as demand increases.

Over the long term, the company intends to strengthen its network of healthcare partnerships, expand service capacity through additional mobile units and technical staff, and continuously improve operational efficiency through standardized workflows and reporting systems.

Through this strategy, the company will contribute to improving healthcare accessibility, enhancing diagnostic efficiency, and supporting better patient outcomes across the U.S. healthcare system.

2.2 Need for the Company's Services

The U.S. healthcare system faces persistent challenges related to timely access, efficiency, and cost in the delivery of vascular diagnostic services. As the population continues to age and the prevalence of chronic conditions such as cardiovascular disease, diabetes, and hypertension increases, the demand for accurate and early-stage vascular diagnostics has grown significantly.

Cardiovascular disease remains the leading cause of death in the United States, responsible for approximately 1 in every 5 deaths, while stroke alone accounts for nearly 800,000 cases

annually,[8] with a substantial portion considered preventable through early detection and management of vascular risk factors.

However, despite this rising demand, access to vascular imaging services remains uneven and often delayed. Many healthcare providers continue to rely on centralized, hospital-based imaging systems, which frequently result in extended wait times and delays in clinical decision-making. According to the American Hospital Association, hospital capacity constraints and workforce shortages have significantly impacted patient throughput, contributing to longer diagnostic timelines and reduced access to timely care.

These delays are directly associated with serious clinical consequences. The National Institutes of Health emphasizes that delayed diagnosis and treatment of vascular conditions significantly increase the risk of disease progression and adverse outcomes.[9]

Delayed diagnosis of vascular conditions can lead to severe outcomes, including ischemic stroke, limb-threatening ischemia, deep vein thrombosis (DVT) complications, and avoidable hospitalizations. For example, peripheral arterial disease (PAD) affects approximately 8.5 million Americans, and when left undiagnosed or untreated, it can progress to critical limb ischemia, the most severe form of PAD, which is strongly associated with high rates of amputation and mortality.[10]

Similarly, undetected carotid artery stenosis is a major contributor to ischemic stroke. Studies indicate that up to 80% of strokes may be preventable through proper management of vascular risk factors and early detection strategies.[11]

In addition to these clinical risks, delayed access to diagnostic services contributes to increased reliance on emergency care and higher hospitalization rates. According to the Agency for Healthcare Research and Quality, preventable hospitalizations related to chronic conditions represent a significant portion of healthcare expenditures, highlighting inefficiencies associated with delayed or insufficient early care.

These systemic inefficiencies result in substantial economic impact. Cardiovascular diseases alone account for more than $233 billion annually in healthcare costs and lost productivity, a burden that is significantly influenced by late-stage diagnosis and treatment.[12]

DFW Vascular Imaging LLC is specifically structured to address these challenges by providing specialized, non-invasive vascular diagnostic services through a flexible and decentralized delivery model. By integrating mobile imaging capabilities with efficient operational workflows, the company enables healthcare providers to obtain timely diagnostic information, supporting earlier intervention and improved patient management.

[8] https://www.heart.org/en/news/2026/01/21/what-the-latest-heart-disease-and-stroke-numbers-mean-for-your-health
[9] https://pmc.ncbi.nlm.nih.gov/articles/PMC9254505/
[10] https://www.heart.org/en/health-topics/peripheral-artery-disease
[11] https://pmc.ncbi.nlm.nih.gov/articles/PMC8350638/
[12] https://www.cdc.gov/chronic-disease/data-research/facts-stats/index.html

One of the most critical gaps addressed by the company is the limited availability of vascular imaging in decentralized care settings. Facilities such as nursing homes, assisted living centers, and home healthcare environments often lack direct access to diagnostic services, requiring patients to be transported to external imaging centers.[13] This process not only creates delays but also increases costs and presents logistical risks, particularly for elderly and medically fragile patients. According to the Centers for Medicare & Medicaid Services, improving access to care in these settings is a national priority, particularly for high-risk populations.[14]

Furthermore, traditional diagnostic workflows are often fragmented, with limited coordination between imaging providers and referring physicians. This fragmentation contributes to delays in diagnosis and treatment planning, increasing the likelihood of disease progression.

Another key driver of demand is the growing emphasis on preventive healthcare and early disease detection. Vascular conditions such as PAD, DVT, carotid artery disease, and chronic venous insufficiency often progress silently and remain undiagnosed until complications occur. Access to non-invasive diagnostic tools, including vascular ultrasound and hemodynamic testing, is essential for identifying these conditions at earlier stages. Early detection enables timely treatment, reduces disease progression, and significantly improves patient outcomes.

In this context, DFW Vascular Imaging LLC responds directly to a critical and well-documented need within the U.S. healthcare system. By improving access to vascular diagnostics, reducing delays in diagnosis, and enabling early clinical intervention, the company contributes to better patient outcomes, reduced healthcare costs, and increased overall system efficiency.

2.3 Company's Expansion

DFW Vascular Imaging LLC is structured for scalable and sustainable growth, with an expansion strategy designed to increase service capacity, geographic reach, and operational efficiency in alignment with market demand. The company's growth model is based on a phased approach, allowing operations to expand progressively while maintaining financial discipline and service quality.

In its initial phase, the company will focus on establishing a strong presence in the Dallas–Fort Worth region, building relationships with healthcare providers and facilities, and validating its service model. During this stage, operations will be supported by a lean team and a single mobile unit, enabling efficient service delivery while minimizing operational costs.

As demand increases, the company will expand its service capacity through the addition of Registered Vascular Technologists (RVTs) and mobile diagnostic units. This expansion will allow DFW Vascular Imaging LLC to increase the volume of examinations performed, serve a broader network of healthcare providers, and reduce service turnaround times. The addition of technical staff will be directly aligned with revenue growth, ensuring that operational scaling remains financially sustainable.

Geographic expansion will be driven by provider demand and strategic partnerships with healthcare organizations. While the initial focus will remain on the Dallas–Fort Worth area, the

[13] https://link.springer.com/article/10.1007/s40134-019-0331-y
[14] https://www.cms.gov/newsroom/fact-sheets/ensuring-access-medicaid-services-final-rule-cms-2442-f

company intends to expand into additional regions within Texas and, over time, into neighboring states where demand for decentralized diagnostic services continues to grow.

In parallel, the company will continue to strengthen its network of partnerships with outpatient clinics, nursing homes, assisted living facilities, and home health agencies. These relationships will play a critical role in ensuring consistent service demand and supporting long-term growth through recurring service utilization.

Operationally, DFW Vascular Imaging LLC will invest in process standardization, workflow optimization, and technology systems that support scheduling, reporting, and data management. These improvements will enhance efficiency, reduce administrative burden, and ensure that the company can scale its operations without compromising service quality or regulatory compliance.

As the organization grows, additional support roles will be introduced, including administrative staff, operations coordination, and billing and credentialing services. This structured expansion of the team ensures that both clinical and operational functions evolve in parallel, supporting increased service volume and maintaining organizational stability.

Through this phased and strategic expansion approach, DFW Vascular Imaging LLC aims to establish itself as a scalable and reliable provider of vascular diagnostic services. By aligning workforce growth, service capacity, and market expansion, the company will be well-positioned to meet increasing demand while contributing to improved access, efficiency, and quality within the U.S. healthcare system.

2.4 Company's Economic Benefits

DFW Vascular Imaging LLC is projected to generate significant economic benefits through sustained revenue growth, job creation, and tax contributions over its first five years of operations. The company's financial projections reflect a scalable healthcare service model, supported by the increasing demand for accessible, non-invasive vascular diagnostic services across the United States.

In its first year of operations, DFW Vascular Imaging LLC is projected to generate approximately $578,040 in total revenue, driven by the initial establishment of its service network and early adoption by healthcare providers in the Dallas–Fort Worth region. As the company expands its partnerships, increases service capacity, and adds clinical staff, revenue is expected to grow consistently, reaching approximately $2,573,421 by Year Five.

The company's financial model demonstrates strong operational efficiency, with gross margin projected to increase from approximately $505,588 in Year One to $2,251,512 by Year Five. These margins reflect the scalability of a service-based diagnostic model, where revenue growth is supported by increased utilization of clinical staff and mobile service capacity, while maintaining controlled operating costs.

Net profit is projected to grow from approximately $23,753 in Year One to $337,921 by Year Five, demonstrating the company's ability to achieve sustainable profitability while expanding its operations. This profitability allows DFW Vascular Imaging LLC to reinvest in additional

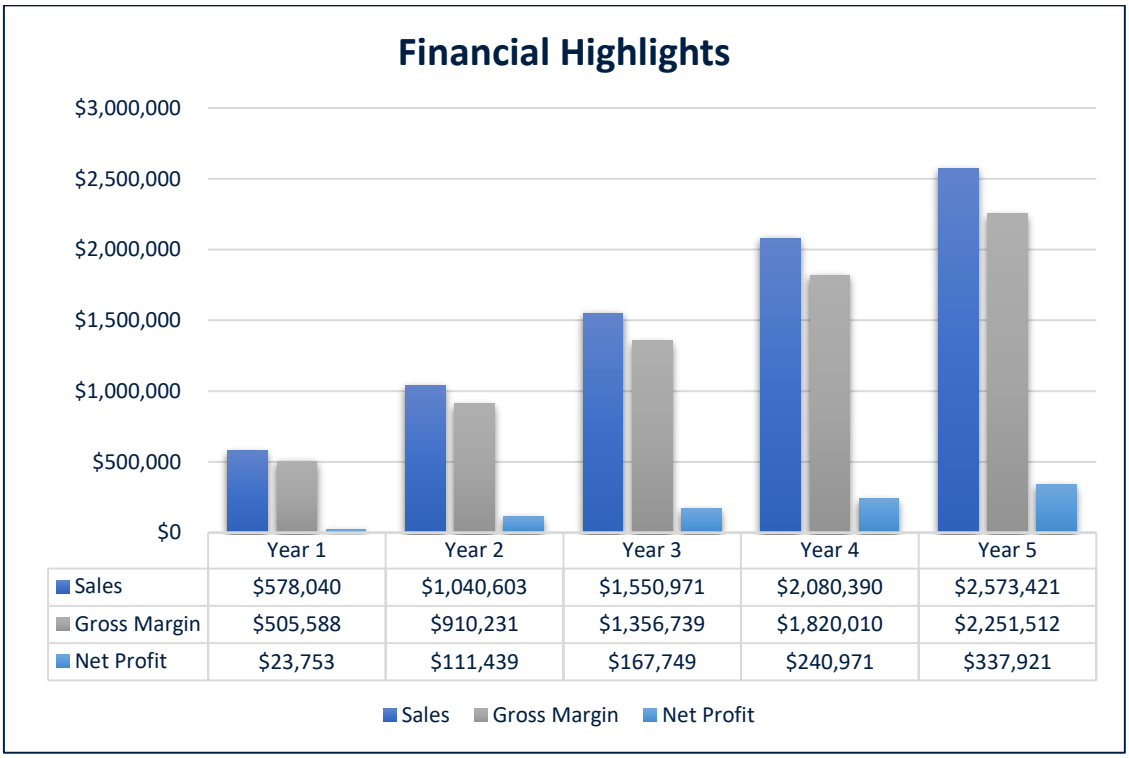
medical equipment, workforce expansion, mobile service capabilities, and operational infrastructure, supporting long-term growth without reliance on external financing.

In addition to revenue generation, DFW Vascular Imaging LLC will make meaningful contributions to public finances through federal, state, and payroll taxes. Total tax contributions are projected to increase from approximately $43,335 in Year One to $267,158 by Year Five, resulting in a cumulative contribution of approximately $766,414 over five years. These tax payments reflect both the company's financial performance and its role in generating employment within the United States.

Beyond its direct financial impact, DFW Vascular Imaging LLC contributes to the broader U.S. economy by creating skilled healthcare jobs, including Registered Vascular Technologists, administrative personnel, and operational staff. At the same time, the company improves healthcare system efficiency by expanding access to diagnostic services, reducing delays in patient evaluation, and supporting preventive care initiatives.

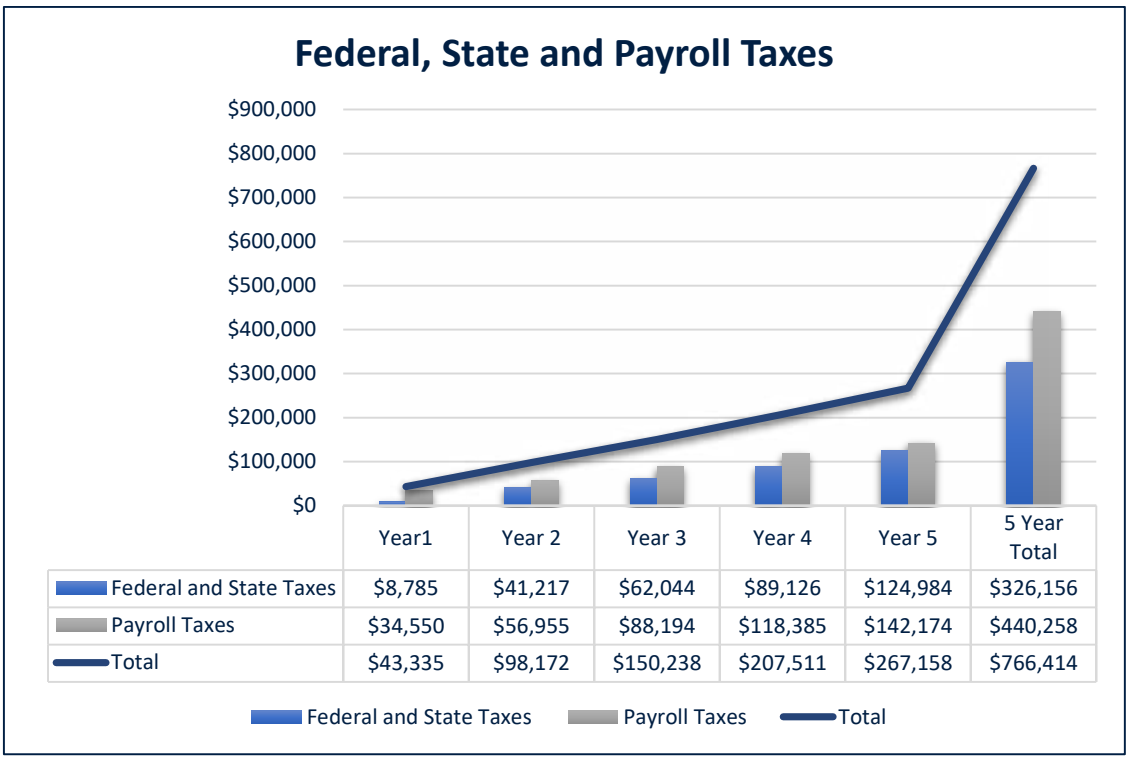
Through its combination of scalable revenue growth, strong operating margins, workforce development, and measurable tax contributions, DFW Vascular Imaging LLC demonstrates a clear and positive economic impact. Its service model supports not only business growth but also broader healthcare system efficiency, reinforcing its role as a valuable contributor to the U.S. economy.

2.4.1 Financial Highlights Chart



	Year 1	Year 2	Year 3	Year 4	Year 5
Sales	$578,040	$1,040,603	$1,550,971	$2,080,390	$2,573,421
Gross Margin	$505,588	$910,231	$1,356,739	$1,820,010	$2,251,512
Net Profit	$23,753	$111,439	$167,749	$240,971	$337,921

2.4.2 Federal, State and Payroll Taxes Chart



	Year1	Year 2	Year 3	Year 4	Year 5	5 Year Total
Federal and State Taxes	$8,785	$41,217	$62,044	$89,126	$124,984	$326,156
Payroll Taxes	$34,550	$56,955	$88,194	$118,385	$142,174	$440,258
Total	$43,335	$98,172	$150,238	$207,511	$267,158	$766,414

2.5 Summary of Investment

DFW Vascular Imaging LLC will invest approximately $90,000 to support the launch and early-stage operations of its specialized vascular diagnostic services in the United States. This investment includes $75,000 in startup expenses allocated to essential operational components, as well as $15,000 in working capital to ensure financial stability during the initial phase of operations.

The startup expenses are primarily focused on the acquisition of medical equipment and the establishment of the operational infrastructure required to deliver vascular imaging services. A significant portion of the investment is allocated to medical and diagnostic equipment, including a portable ultrasound system and related accessories, which represent the core revenue-generating assets of the business. Additional funds are dedicated to licensing and regulatory compliance, insurance coverage, and technology systems necessary to support scheduling, reporting, and data management in accordance with industry standards.

The investment also includes allocations for business registration, legal setup, and initial marketing efforts to support market entry and the development of partnerships with healthcare providers. Office setup and mobile operations are structured to support a service model, enabling both fixed and on-site diagnostic service delivery.

Overall, the investment reflects Mr. Nikolas Duarte Caldeira Brant's strong financial commitment and a well-structured approach to market entry. The capital is strategically allocated to support immediate service delivery, regulatory compliance, and scalable operations, positioning the company for sustainable growth within the U.S. healthcare sector.

2.5.1 Startup Requirements Table

Startup	
Requirements	
Startup Expenses	
Business Registration & Legal Fees	$3,500
Medical Equipment (Ultrasound System)	$35,000
Medical & Diagnostic Accessories	$5,000
Licensing & Regulatory Compliance	$3,500
Insurance	$4,500
Technology & Software	$4,000
Website & Branding	$2,500
Marketing & Business Development	$5,000
Office Setup / Small Facility	$6,000
Mobile Operations Setup	$6,000
Total Startup Expenses	$75,000
Startup Assets	
Cash Required	$15,000
Total Requirements	**$90,000**

3.0 Company's Services

DFW Vascular Imaging LLC will provide specialized, non-invasive vascular diagnostic services designed to support healthcare providers in the accurate, timely, and clinically effective evaluation of vascular conditions. The company's services are structured not only to improve access to diagnostic imaging, but also to enable early detection, reduce disease progression, and support better patient outcomes.

The company will operate through a hybrid service model that combines a fixed diagnostic base with mobile imaging capabilities. This structure allows services to be delivered across multiple healthcare environments, including outpatient clinics, long-term care facilities, and home healthcare settings, addressing critical gaps in access to vascular diagnostics.

DFW Vascular Imaging LLC's service portfolio is organized into three integrated components: core diagnostic services, mobile service delivery, and operational support systems.

The company's primary activities focus on high-demand vascular diagnostic services that directly support the identification, monitoring, and clinical management of vascular diseases.

1. Core Diagnostic Services

Vascular Ultrasound Diagnostic Services

DFW Vascular Imaging LLC will provide comprehensive vascular ultrasound examinations using duplex imaging technology. These studies include arterial and venous evaluations, as well as carotid duplex imaging.

These services are essential for the diagnosis and monitoring of conditions such as:

- Peripheral arterial disease (PAD)
- Carotid artery stenosis (stroke risk assessment)
- Deep vein thrombosis (DVT)
- Chronic venous insufficiency

Early identification of these conditions enables timely intervention, significantly reducing the risk of severe complications such as stroke, pulmonary embolism, and limb-threatening ischemia, which may lead to amputation if untreated.

Peripheral Vascular Testing and Hemodynamic Assessment

The company will provide complementary diagnostic testing, including ankle-brachial index (ABI) and hemodynamic evaluations, which are critical tools for detecting early-stage vascular disease.

These assessments are particularly important for patients with chronic conditions such as diabetes, hypertension, and cardiovascular disease, where early detection of circulatory impairment can prevent disease progression and reduce long-term complications.

Vein Mapping and Pre-Procedural Diagnostic Support

DFW Vascular Imaging LLC will offer specialized imaging services to support clinical planning and treatment decisions. Vein mapping and anatomical evaluations are essential for pre-procedural assessment, improving procedural accuracy and reducing complication risks.

These services contribute directly to better clinical outcomes by enabling more precise and effective treatment strategies.

2. Service Delivery Model

Mobile Vascular Imaging Services

A key differentiator of the company is its mobile diagnostic capability. DFW Vascular Imaging LLC will deliver imaging services directly at partner healthcare facilities, including outpatient clinics, nursing homes, assisted living centers, and home healthcare environments.

This model addresses one of the most critical gaps in the healthcare system: limited access to diagnostic services in decentralized care settings.

By providing on-site diagnostics, the company:

- Reduces delays in diagnosis
- Eliminates the need for patient transportation
- Improves access for elderly and high-risk populations
- Enables faster clinical decision-making

This approach is particularly impactful for patients with mobility limitations or chronic conditions requiring ongoing monitoring.

3. Operational and Value-Added Services

Diagnostic Workflow Coordination and Reporting Support

DFW Vascular Imaging LLC will implement structured systems to coordinate scheduling, service delivery, and reporting. Diagnostic results will be delivered through secure, HIPAA-compliant platforms using standardized formats that facilitate integration into provider workflows.

All diagnostic studies will be interpreted by a contracted, U.S.-licensed Medical Director, ensuring full compliance with regulatory requirements and maintaining high clinical standards.

Preventive Vascular Screening and Early Detection Programs

The company will support preventive healthcare initiatives by offering targeted vascular screening services focused on at-risk populations.

These programs include:

- PAD screening for early detection of circulatory disease
- Carotid duplex screening to reduce stroke risk
- DVT evaluation in high-risk patients

- Monitoring of chronic venous insufficiency

By enabling early diagnosis, these services play a critical role in preventing severe clinical outcomes, reducing hospitalizations, and lowering overall healthcare costs.

Service Integration and Clinical Impact

Through the integration of specialized diagnostic services, mobile delivery capabilities, and structured operational processes, DFW Vascular Imaging LLC provides a comprehensive and clinically impactful solution for healthcare providers.

This integrated model improves diagnostic accuracy, reduces delays in care, and enables earlier intervention in vascular disease management. From a broader healthcare perspective, the company contributes to reducing emergency room visits, preventing avoidable complications, and improving long-term patient outcomes.

At the same time, the company's scalable service model allows for expansion across multiple healthcare settings, reinforcing its role as an efficient and essential diagnostic partner within the U.S. healthcare system.

4.0 Industry Overview

The U.S. healthcare industry represents one of the largest and most critical sectors of the national economy, with continuous growth driven by demographic trends, rising chronic disease prevalence, and increasing demand for diagnostic and preventive services.[15] Within this broader landscape, diagnostic imaging plays a fundamental role in supporting clinical decision-making, early disease detection, and ongoing patient management.

Vascular imaging, in particular, is a highly relevant and expanding segment of the diagnostic services market. The growing incidence of cardiovascular diseases, peripheral arterial disease (PAD), venous disorders, and stroke-related conditions has significantly increased the need for accessible, non-invasive diagnostic tools such as vascular ultrasound and hemodynamic testing. These conditions are among the leading causes of morbidity and mortality in the United States, reinforcing the importance of timely and accurate diagnostic evaluation.

A key driver of industry growth is the aging U.S. population. As the proportion of individuals aged 65 and older continues to rise, the demand for vascular diagnostic services is expected to increase substantially. Older populations are more susceptible to vascular conditions, requiring continuous monitoring, preventive screening, and early-stage diagnosis. This demographic shift places additional pressure on healthcare systems to expand diagnostic capacity and improve service accessibility.

At the same time, the healthcare industry is undergoing a structural transformation toward more decentralized and patient-centered care models. Traditionally, diagnostic imaging services have been concentrated in hospitals and large imaging centers. However, this centralized approach often results in inefficiencies, including long wait times, limited scheduling flexibility, and increased operational costs. As a result, there is a growing shift toward outpatient and

[15] https://worldmetrics.org/us-healthcare-industry-statistics/

facility-based care, including services delivered in clinics, nursing homes, and home healthcare settings.

This transition creates a significant opportunity for specialized providers such as DFW Vascular Imaging LLC, which operates through a model combining fixed and mobile diagnostic services. Mobile imaging, in particular, has emerged as an effective solution for expanding access to care, especially in underserved or high-demand environments. By bringing diagnostic services directly to patients and healthcare facilities, mobile providers help reduce delays, improve patient outcomes, and enhance overall system efficiency.

Another important industry trend is the increasing emphasis on preventive care and early detection. Healthcare providers and policymakers are prioritizing strategies that identify diseases at earlier stages to reduce long-term treatment costs and improve patient outcomes. Non-invasive diagnostic tools, such as vascular ultrasound and ABI testing, are central to these efforts, enabling clinicians to detect conditions before they progress to more severe stages.

Additionally, the industry is influenced by regulatory and reimbursement frameworks that support the use of cost-effective diagnostic methods. Non-invasive imaging procedures are generally more affordable and carry lower risks compared to invasive alternatives, making them a preferred option for both providers and payers. Programs such as Medicare and private insurance reimbursement structures further support the adoption of these diagnostic services, reinforcing their role within the healthcare system.

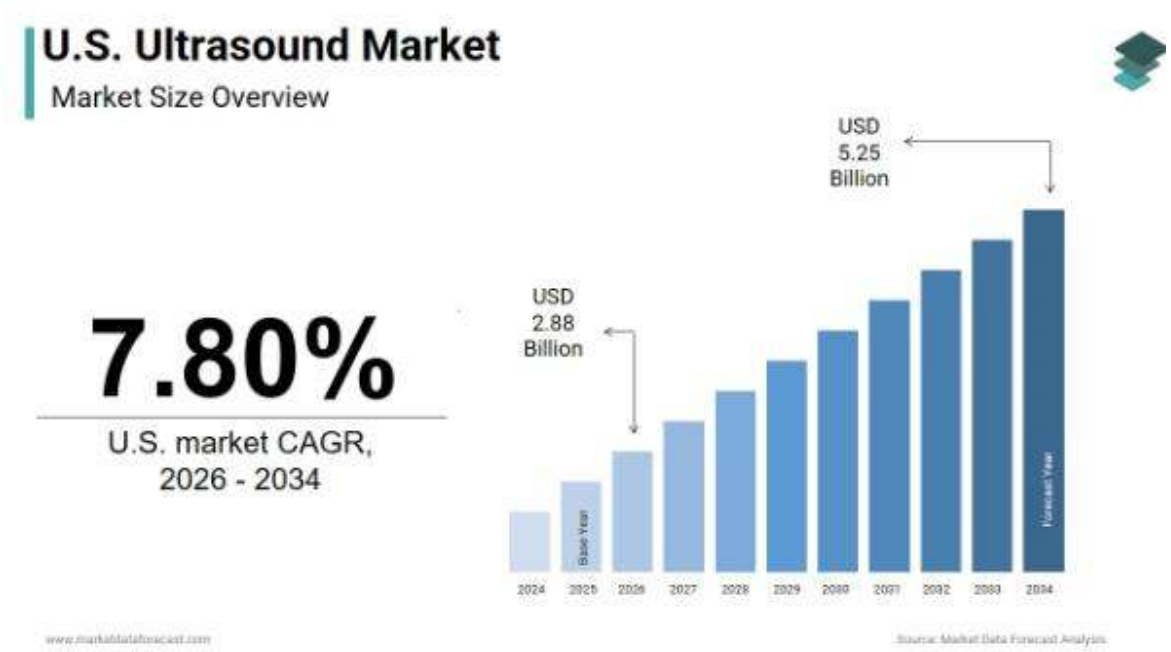
Despite these positive trends, the industry continues to face challenges related to capacity constraints, workforce shortages, and uneven access to diagnostic services across different regions and care settings. Many healthcare providers lack the resources to offer in-house vascular imaging, particularly in decentralized environments such as long-term care facilities. This gap highlights the need for specialized service providers capable of delivering flexible, scalable, and efficient diagnostic solutions.

In this context, DFW Vascular Imaging LLC is well-positioned to operate within a growing and evolving industry. By focusing on non-invasive vascular diagnostics, mobile service delivery, and integration with healthcare providers, the company aligns with key industry trends and addresses critical gaps in access, efficiency, and service delivery.

4.1 Industry Analysis

The vascular diagnostic imaging industry in the United States is part of the broader diagnostic imaging and ultrasound market, which has experienced consistent growth driven by demographic trends, increasing disease prevalence, and the shift toward non-invasive diagnostic technologies. The U.S. ultrasound market alone was valued at approximately $2.67 billion in 2025 and is projected to reach over $5.25 billion by 2034, reflecting a compound annual growth rate (CAGR) of approximately 7.8%.[16]

[16] https://www.marketdataforecast.com/market-reports/us-ultrasound-market



This growth is strongly supported by the increasing demand for non-invasive and point-of-care diagnostic solutions. Ultrasound technologies, including vascular imaging, are increasingly being used outside traditional radiology departments and integrated into frontline clinical settings. This shift toward decentralized diagnostics aligns directly with DFW Vascular Imaging LLC's service model, which combines mobile and facility-based service delivery.

Within this broader market, vascular imaging represents a critical and expanding segment, driven by the high prevalence of vascular diseases in the United States. Peripheral arterial disease (PAD) alone affects an estimated 7 to 12 million Americans, with projections suggesting that the number of affected individuals could reach up to 24 million by 2030.[17] The increasing burden of these conditions significantly drives demand for diagnostic services such as vascular ultrasound, ABI testing, and carotid imaging.

Globally, the vascular diagnostic and related device markets further reinforce this growth trend. For example, the vascular Doppler and PAD diagnostic market is projected to grow from approximately $8.48 billion in 2023 to $12.8 billion by 2030, at a CAGR of approximately 6.1%.[18] Similarly, peripheral vascular device markets are expected to continue expanding, reaching over $13 billion by 2031, supported by rising cardiovascular disease incidence and technological advancements.[19]

[17] https://www.grandviewresearch.com/industry-analysis/us-peripheral-vascular-angiography-contrast-media-market-report

[18] https://www.nextmsc.com/report/pad-vascular-doppler-market

[19] https://www.marketsandmarkets.com/Market-Reports/interventional-cardiology-peripheral-vascular-devices-market-790.html

OVERVIEW



Source: Secondary Research, Interviews with Experts, MarketsandMarkets Analysis

Another major driver of industry growth is the aging U.S. population. The number of individuals aged 65 and older is projected to increase significantly in the coming decades, and this demographic group is particularly susceptible to vascular diseases. As a result, the demand for diagnostic imaging services, including vascular ultrasound and preventive screening, is expected to increase substantially.

In addition to demographic factors, lifestyle-related conditions such as diabetes, obesity, hypertension, and smoking continue to contribute to the rising prevalence of vascular diseases. These conditions increase the risk of developing peripheral arterial disease, venous insufficiency, and other circulatory disorders, further expanding the need for early diagnosis and continuous monitoring.

From an operational perspective, the industry is undergoing a transition toward outpatient and decentralized care models. Healthcare providers are increasingly seeking cost-effective alternatives to hospital-based imaging, driven by the need to reduce operational costs and improve patient access. Mobile and facility-based diagnostic services are emerging as key solutions to address capacity constraints and improve efficiency within the healthcare system.

Despite this growth, the industry continues to face structural challenges, including limited access to diagnostic services in non-hospital settings, workforce shortages, and inefficiencies in traditional referral and scheduling processes. Many healthcare providers, particularly in long-term care and home health environments, lack direct access to specialized vascular imaging services, creating delays in diagnosis and treatment.

In this context, DFW Vascular Imaging LLC is well-positioned within a growing and evolving industry. Its focus on non-invasive vascular diagnostics, combined with a mobile and scalable service delivery model, directly aligns with key industry trends, including the expansion of point-of-care imaging, the increasing demand for preventive diagnostics, and the shift toward decentralized healthcare delivery.

4.2 Major Market Segmentation

The market for vascular diagnostic services in the United States can be segmented based on healthcare provider type, care setting, and patient population. DFW Vascular Imaging LLC is strategically positioned to serve multiple segments within this market, with a primary focus on healthcare providers that require efficient, accessible, and high-quality diagnostic imaging services.

Healthcare Provider Segmentation

The company's primary target market consists of healthcare professionals and medical practices that rely on vascular diagnostic services to support patient evaluation and treatment.

This segment includes:

- Primary care physicians (PCPs)
- Vascular surgeons and specialists
- Cardiologists
- Outpatient and specialty clinics

These providers frequently manage patients with cardiovascular risk factors and vascular conditions, requiring timely access to diagnostic imaging to support clinical decision-making. Many of these practices do not maintain in-house vascular imaging capabilities, creating a strong demand for external diagnostic service providers.

Care Setting Segmentation

A significant portion of the market is defined by the type of care environment in which patients receive services. DFW Vascular Imaging LLC is particularly focused on decentralized care settings, where access to diagnostic imaging is often limited.

Key segments include:

- Outpatient clinics and ambulatory care centers
- Nursing homes and long-term care facilities
- Assisted living communities
- Home healthcare environments

These settings often lack direct access to specialized diagnostic equipment, resulting in delays and inefficiencies in patient care. The company's mobile service model is specifically designed to address these gaps by delivering imaging services directly at the point of care.

Patient Population Segmentation

Demand for vascular diagnostic services is strongly influenced by specific patient groups with elevated risk factors for vascular disease.

Key target populations include:

- Elderly patients, particularly those aged 65 and older
- Patients with chronic conditions such as diabetes, hypertension, and obesity
- Individuals at risk of stroke or peripheral arterial disease
- Patients requiring ongoing monitoring of vascular conditions

These populations require frequent diagnostic evaluation and monitoring, creating consistent and recurring demand for non-invasive imaging services.

Service Utilization Segmentation

The market can also be segmented based on how diagnostic services are utilized within the healthcare system.

DFW Vascular Imaging LLC will support:

- Diagnostic evaluations for symptomatic patients
- Preventive screening and early detection initiatives
- Pre-procedural imaging and treatment planning
- Ongoing monitoring of chronic vascular conditions

This diversified utilization ensures that the company's services are relevant across multiple stages of patient care, supporting both immediate diagnostic needs and long-term disease management.

Market Positioning

By targeting multiple segments simultaneously, DFW Vascular Imaging LLC establishes a diversified and resilient market presence. Its ability to serve both traditional medical practices and decentralized care environments allows the company to capture demand across a wide range of healthcare settings.

The company's service model, combining fixed and mobile operations, provides a competitive advantage by enabling flexible service delivery and expanding access to underserved markets. This positioning supports sustainable growth while reinforcing the company's role as a specialized and efficient diagnostic service provider.

4.3 Business Location

DFW Vascular Imaging LLC will be established in the Dallas–Fort Worth (DFW) metropolitan area in Texas, one of the fastest-growing and most economically dynamic regions in the United States. The location provides a strong foundation for the company's operations due to its large population base, expanding healthcare sector, and increasing demand for diagnostic services.

The Dallas–Fort Worth metropolitan area has an estimated population exceeding 8.3 million residents, making it the fourth-largest metropolitan area in the United States. The region continues to experience significant population growth, with an increase of approximately 180,000 residents between 2023 and 2024 alone, reflecting a growth rate above the long-term

national average.[20] This sustained population expansion directly contributes to increased demand for healthcare services, particularly diagnostic and preventive care.

The region's economic strength further supports the viability of the company's operations. The Dallas–Fort Worth economy employs over 4.1 million people, with healthcare and social assistance representing one of the largest employment sectors, accounting for more than 460,000 jobs.[21] The healthcare industry plays a central role in the regional economy, with North Texas hospitals alone generating an economic impact of approximately $47 billion and supporting nearly 392,000 jobs.[22]

In addition to its size, the region demonstrates strong economic growth and stability. The Dallas–Fort Worth metropolitan area has achieved a real GDP growth rate of approximately 3.9% annually over the past decade, outperforming the national metropolitan average.[23] This consistent economic expansion, combined with ongoing corporate investment and population migration, reinforces the region's position as a major hub for business and healthcare development.

The healthcare sector in Dallas–Fort Worth is also undergoing significant expansion, driven by population growth and increasing demand for outpatient and decentralized care models. Industry projections indicate that outpatient healthcare utilization in the region is expected to increase substantially in the coming years, further intensifying demand for accessible diagnostic services.[24] At the same time, healthcare providers are shifting toward facility-based and mobile care delivery models to improve efficiency and reduce system constraints.

Despite this growth, the region continues to face challenges related to healthcare access and capacity. Rapid population expansion has created increased pressure on healthcare infrastructure, particularly in non-hospital settings, where access to specialized diagnostic services remains limited.[25] This gap presents a significant opportunity for specialized providers capable of delivering flexible and decentralized diagnostic solutions.

DFW Vascular Imaging LLC is strategically positioned to operate within this high-demand environment. By offering non-invasive vascular diagnostic services through a model that includes mobile service delivery, the company directly addresses the need for improved access, reduced wait times, and enhanced diagnostic efficiency. Its ability to serve multiple healthcare settings, including outpatient clinics, nursing homes, and home healthcare environments, aligns with the region's evolving healthcare landscape.

Overall, the Dallas–Fort Worth region provides an ideal location for the company's operations, combining strong population growth, economic expansion, and a rapidly evolving healthcare sector. These factors create a favorable environment for DFW Vascular Imaging LLC to establish

[20] https://www.dallasfed.org/research/indicators/dfw/2025/dfw2503
[21] https://datausa.io/profile/geo/dallas-fort-worth-arlington-tx
[22] https://dfwhc.org/new-study-finds-north-texas-hospitals-provide-an-economic-impact-of-47-billion-to-region
[23] https://www.dallasecodev.org/341/Economic-Indicators
[24] https://www.bisnow.com/dallas-ft-worth/news/healthcare/everyone-need-a-doctor-dfws-medical-office-boom-cant-match-the-regions-population-growth-127920
[25] https://www.dmagazine.com/commercial-real-estate/2026/02/the-healthcare-real-estate-evolution-shaping-patient-care/

operations, expand its service network, and contribute to improving healthcare access and efficiency in one of the most dynamic markets in the United States.

5.0 Strategy and Implementation

DFW Vascular Imaging LLC's strategy is centered on the efficient delivery and scalable expansion of specialized vascular diagnostic services through a service model that integrates fixed and mobile imaging operations. The company's approach emphasizes operational efficiency, service quality, and strategic partnerships with healthcare providers, while maintaining a strong focus on improving access to diagnostic services and patient outcomes.

The implementation framework is designed to support consistent service delivery, progressive operational growth, and long-term relationships with healthcare providers, ensuring sustainable expansion aligned with market demand.

Service Delivery Strategy

DFW Vascular Imaging LLC will deliver its services through a structured and standardized operational approach that integrates diagnostic execution, mobile service delivery, and coordinated reporting.

Service delivery will follow defined phases, including:

- Coordination with referring providers and healthcare facilities
- Scheduling and logistics planning for fixed and mobile services
- On-site execution of vascular diagnostic procedures
- Secure transmission of diagnostic results
- Ongoing coordination with providers for follow-up and continuity of care

This structured model ensures that healthcare providers receive timely, reliable, and consistent diagnostic services, supporting faster clinical decision-making and improved patient management.

The company will operate under a flexible service model, combining fixed-location operations with mobile capabilities, enabling coverage across multiple healthcare environments while maintaining operational efficiency.

Client Acquisition and Market Entry

DFW Vascular Imaging LLC will focus its market entry strategy on building strong relationships with healthcare providers and facilities that require vascular diagnostic services.

The company's target clients include:

- Primary care physicians and specialists
- Outpatient clinics
- Nursing homes and assisted living facilities
- Home health agencies

Market entry will be supported by:

- Direct outreach to healthcare providers and facility administrators
- Strategic partnerships with clinics and care facilities
- Local networking and professional referrals
- Leveraging the founder's clinical and operational experience

The company will prioritize long-term provider relationships, creating consistent service demand and recurring revenue through ongoing diagnostic service utilization.

Operational Implementation

Operational execution will be led by Mr. Nikolas Duarte Caldeira Brant, who will oversee strategic direction, partnerships, and overall business development.

Service delivery will be supported by Registered Vascular Technologists (RVTs), responsible for performing diagnostic procedures, and a contracted Medical Director, responsible for interpretation and regulatory compliance.

The company will implement structured operational processes to ensure consistency, efficiency, and quality across all services. As demand increases, the workforce will expand in a phased and controlled manner, aligning hiring with service volume and revenue growth.

This approach minimizes operational risk while supporting sustainable scalability.

Technology and Operational Framework

DFW Vascular Imaging LLC will utilize technology systems to support scheduling, reporting, and operational coordination, ensuring efficiency and compliance with healthcare standards.

The company will implement:

- HIPAA-compliant systems for secure data handling
- Digital scheduling and coordination tools
- Standardized reporting formats
- Workflow management processes for service delivery

These systems will support operational consistency, reduce administrative inefficiencies, and enhance integration with healthcare providers.

Monitoring and Continuous Improvement

DFW Vascular Imaging LLC will implement performance monitoring systems to track key operational and business indicators, including:

- Number of diagnostic procedures performed
- Provider acquisition and retention rates
- Service turnaround times
- Operational efficiency and utilization rates

Feedback from healthcare providers and internal operations will be used to continuously improve service delivery, optimize workflows, and enhance overall performance.

Execution Roadmap

In the short term, DFW Vascular Imaging LLC will focus on launching operations in the Dallas–Fort Worth region, establishing provider relationships, and initiating service delivery through a lean operational structure.

In the medium term, the company will expand its service capacity through the addition of technical staff and mobile units, increasing the volume of diagnostic procedures and strengthening its presence within the regional healthcare market.

In the long term, DFW Vascular Imaging LLC aims to expand geographically into additional markets, scaling its service model while maintaining operational efficiency and service quality.

Strategic Positioning

Through this structured strategy and implementation framework, DFW Vascular Imaging LLC is positioned to deliver scalable, efficient, and high-quality diagnostic services that improve healthcare access and system efficiency.

The company's focus on non-invasive diagnostics, mobile service delivery, and provider integration aligns with broader healthcare trends, including the shift toward decentralized care, increased emphasis on preventive diagnostics, and the need for cost-effective healthcare solutions.

5.1 Swot Analysis

DFW Vascular Imaging LLC's strategic positioning reflects a balanced combination of internal strengths, manageable limitations, and strong market opportunities within the U.S. healthcare sector. The company's business model is designed to leverage industry demand while maintaining operational efficiency and scalability.

Strengths

- **Specialized Service Offering:** Focus on vascular diagnostic imaging allows the company to operate in a high-demand and clinically relevant niche.
- **Founder's Expertise:** Mr. Nikolas Duarte Caldeira Brant brings extensive clinical and operational experience in vascular medicine and diagnostic services.
- **Mobile Diagnostic Capability:** Ability to deliver services on-site improves access and reduces patient transportation barriers.
- **Non-Invasive and Cost-Effective Services:** Ultrasound-based diagnostics are widely accepted, lower-cost, and safer compared to invasive alternatives.
- **Scalable Operational Structure:** Lean initial setup with phased workforce expansion supports controlled and sustainable growth.
- **Strong Market Demand:** Increasing prevalence of vascular diseases ensures consistent need for diagnostic services.

- **Alignment with Healthcare Trends:** Services support decentralized care, preventive medicine, and improved system efficiency.

Weaknesses

- **Limited Initial Workforce:** Early-stage operations rely on a small team, which may constrain initial service capacity.
- **Dependence on Referral Networks:** Revenue generation is directly linked to establishing and maintaining provider relationships.
- **Brand Recognition:** As a new entrant, the company will require time to build credibility and market presence.

Opportunities

- **Growing Aging Population:** Increasing number of elderly patients drives demand for vascular diagnostics and monitoring.
- **Rising Prevalence of Chronic Diseases:** Conditions such as diabetes and cardiovascular disease increase the need for imaging services.
- **Expansion of Mobile Healthcare Services:** Growing acceptance of mobile diagnostics creates new market opportunities.
- **Underserved Healthcare Settings:** Nursing homes and home healthcare environments lack direct access to imaging services.
- **Preventive Healthcare Initiatives:** Increased focus on early detection supports demand for vascular screening services.
- **Partnerships with Healthcare Providers:** Opportunities to establish long-term agreements with clinics and facilities.
- **Geographic Expansion Potential:** Ability to scale operations into additional regions and states.
- **Favorable Reimbursement Environment:** Coverage by Medicare and private insurers supports service utilization.

Threats

- **Competition from Established Imaging Centers:** Hospitals and diagnostic centers may offer similar services with existing infrastructure.
- **Regulatory and Compliance Requirements:** Healthcare regulations and credentialing processes may impact operational timelines.
- **Workforce Availability:** Limited availability of qualified Registered Vascular Technologists (RVTs) may affect scalability.

5.2 Website and Digital Marketing

DFW Vascular Imaging LLC's website and digital marketing strategy is designed to support market entry, strengthen brand positioning, and drive client acquisition by clearly communicating the company's specialized vascular diagnostic services and value proposition. As a healthcare service provider, the company will rely on a strong and credible digital presence to connect physicians, clinics, and healthcare facilities seeking efficient and accessible diagnostic imaging solutions.

The company's website will be structured to provide professional and intuitive user experience, reflecting its focus on efficiency, reliability, and quality of care. Content will be organized around its core services, including vascular ultrasound diagnostics, mobile imaging services, and preventive screening programs. Each section will emphasize clinical and operational benefits, such as reduced wait times, improved diagnostic access, and streamlined service delivery.

In addition, the website will highlight the expertise and leadership of Mr. Nikolas Duarte Caldeira Brant, reinforce credibility and demonstrate the company's strong foundation in vascular diagnostics and healthcare operations. A dedicated content section will provide educational insights related to vascular health, early detection, and best diagnostic practices, positioning the company as a knowledgeable and trusted service provider.

Lead generation will be supported through clear and strategically placed calls to action, encouraging healthcare providers and facilities to request consultations or establish service partnerships. The website will also be optimized for search engines, targeting relevant keywords related to vascular ultrasound services, mobile diagnostic imaging, and preventive vascular care.

Digital Marketing Strategy

DFW Vascular Imaging LLC will implement a targeted digital marketing strategy focused on reaching high-intent healthcare audiences and building long-term professional relationships.

Key initiatives include:

- **Search engine optimization (SEO):** Targeting keywords related to vascular imaging, ultrasound diagnostics, and mobile healthcare services
- **Professional networking platforms:** Engagement through platforms such as LinkedIn to connect with physicians, administrators, and healthcare decision-makers
- **Targeted digital advertising:** Local and regional campaigns focused on clinics, outpatient centers, and care facilities
- **Educational content marketing:** Development of articles and materials related to vascular health, early detection, and diagnostic efficiency
- **Email communication:** Ongoing engagement with healthcare providers to support relationship development and service awareness

Performance will be continuously monitored through key metrics such as website traffic, provider inquiries, conversion rates, and engagement levels. These insights will guide ongoing

optimization of marketing strategies, ensuring efficient allocation of resources and consistent improvement in client acquisition efforts.

Through this structured and healthcare-focused approach, DFW Vascular Imaging LLC will establish a strong digital presence and support scalable growth aligned with its service-based business model.

5.3 Sales Strategy

DFW Vascular Imaging LLC's sales strategy is designed to support sustainable and scalable growth through a relationship-driven approach focused on healthcare providers and institutional partnerships. Unlike traditional transactional sales models, the company will prioritize long-term collaborations with physicians, clinics, and care facilities, ensuring consistent demand for diagnostic services and recurring revenue generation.

Each engagement will be structured around the needs of the referring provider or healthcare facility. The company will position its services as a complementary solution that enhances clinical workflows, reduces delays in diagnostic evaluation, and improves access to vascular imaging. This approach allows DFW Vascular Imaging LLC to integrate seamlessly into existing healthcare delivery systems rather than compete directly with hospitals or large imaging centers.

Client Acquisition Strategy

DFW Vascular Imaging LLC will focus its client acquisition efforts on building a strong referral network and establishing partnerships with healthcare providers that require reliable access to vascular diagnostic services. This includes direct engagement with physicians and collaboration with healthcare facilities such as outpatient clinics, nursing homes, and assisted living centers.

The company will also leverage the founder's clinical background and professional network to support early-stage market entry and relationship development. This approach ensures the creation of a stable referral pipeline and consistent service utilization over time.

Value Proposition and Differentiation

The company's sales approach is centered on clearly communicating its value to healthcare providers and facilities.

DFW Vascular Imaging LLC differentiates itself through:

- Mobile diagnostic capabilities, enabling on-site service delivery
- Reduced wait times for vascular imaging services
- Efficient integration with provider workflows

By focusing on measurable improvements in efficiency and patient care, the company positions its services as both clinically valuable and operationally beneficial.

Relationship Development and Retention

A core component of the company's strategy is the development of long-term relationships with referring providers and healthcare organizations. This will be supported by consistent service

quality, timely delivery of diagnostic results, and effective communication with healthcare partners.

These elements contribute to strong client retention and continuous service utilization, creating predictable and recurring revenue streams.

Sales Team and Expansion

As the company grows, its sales function will expand through the addition of Sales & Provider Relations Managers, who will be responsible for expanding the provider network, managing relationships, and supporting geographic growth.

Performance Monitoring

Sales performance will be evaluated through key indicators such as the number of active referring providers, service volume, and revenue growth. These metrics will guide strategic adjustments and ensure alignment with the company's growth objectives.

Strategic Outcome

Through this structured and relationship-focused sales strategy, DFW Vascular Imaging LLC will build a strong and sustainable referral network, supporting consistent demand for its services and long-term business growth.

5.4 Sales Forecast

DFW Vascular Imaging LLC is projected to generate revenue through a structured portfolio of specialized, non-invasive vascular diagnostic services, delivered through both fixed and mobile service models. Sales operations are expected to begin in the company's early months of operation, with a gradual and scalable growth trajectory over the first five years.

The sales forecast reflects progressive market penetration, expansion of the provider network, and increased service capacity driven by the addition of clinical staff and mobile units. Revenue growth is supported by rising demand for vascular diagnostic services, particularly in decentralized healthcare settings.

Sales Forecast Overview

DFW Vascular Imaging LLC's revenue projections are based on four core diagnostic service lines:

- Vascular Ultrasound Exams
- Carotid & Preventive Screening
- ABI & Hemodynamic Testing
- Vein Mapping & Specialized Studies

These services represent the company's primary revenue-generating activities and are aligned with the clinical needs of healthcare providers and patient populations.

Revenue Growth by Service Line

The company's primary revenue driver is vascular ultrasound diagnostic services. Unit sales are projected to grow from 1,128 procedures in Year One to 4,465 procedures by Year Five, with

average pricing increasing from $180 to $200 per exam. Revenue from this service line is expected to grow from approximately $203,040 in Year One to $893,038 by Year Five, reflecting increased utilization and operational capacity.

Carotid and preventive screening services represent a key complementary revenue stream, particularly driven by demand for early detection. Unit sales are projected to increase from 870 to 3,444 procedures, with revenue growing from $147,900 to $654,340 over the same period.

ABI and hemodynamic testing services support ongoing monitoring and preventive care. These services are expected to grow from 750 procedures in Year One to 2,969 procedures by Year Five, generating revenue from approximately $67,500 to $326,576.

Vein mapping and specialized diagnostic studies will also contribute significantly to revenue, particularly for pre-procedural planning. Unit sales are projected to increase from 570 to 2,256 procedures, with revenue growing from approximately $159,600 to $699,467.

Total Revenue Growth

Based on these projections, total company revenue is expected to grow from approximately $578,040 in Year One to $2,573,421 by Year Five. This growth reflects increased service adoption, expansion of provider partnerships, and the scaling of clinical operations.

Total unit sales are projected to increase from 3,318 procedures in Year One to 13,134 procedures by Year Five, demonstrating consistent growth in service demand and market penetration.

Cost Structure and Gross Margins

Direct costs are projected to scale proportionally with service volume, increasing from approximately $72,452 in Year One to $321,909 by Year Five. These costs are primarily associated with medical supplies, diagnostic consumables, equipment usage, and direct service delivery expenses.

Despite the increase in direct costs, the company maintains strong gross margins due to the efficiency of its service-based model. This is supported by:

- Efficient utilization of clinical staff and equipment
- Scalable mobile service delivery
- Controlled operational cost structure

This results in a financially sustainable model that supports reinvestment in workforce expansion, additional equipment, and operational growth.

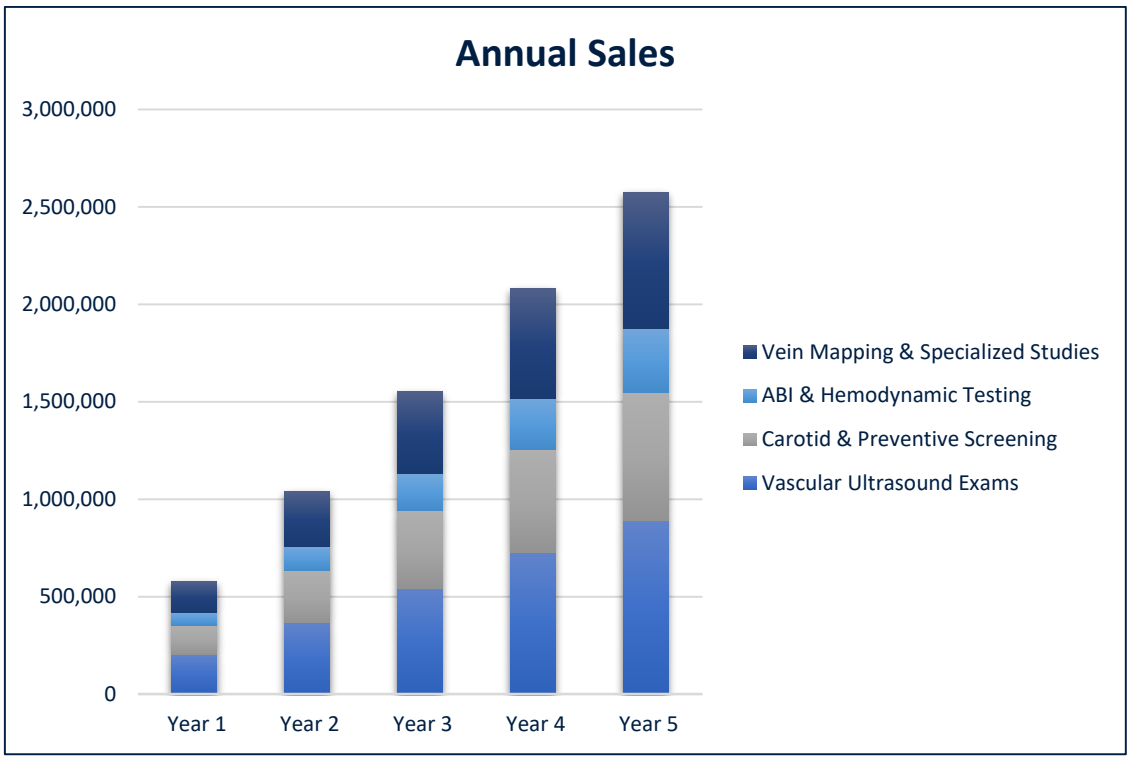
The sales forecast demonstrates DFW Vascular Imaging LLC's ability to scale its operations through a structured and demand-driven service model. Growth is supported by increasing demand for vascular diagnostics, expansion of healthcare partnerships, and the company's ability to deliver efficient and accessible services across multiple care settings.

This balanced and realistic forecast supports long-term financial sustainability, job creation, and continued operational expansion, reinforcing DFW Vascular Imaging LLC's position as a scalable and impactful healthcare service provider within the United States.

5.4.1 Annual Sales Forecast Table

Sales Forecast					
	Year 1	Year 2	Year 3	Year 4	Year 5
Unit Sales					
Vascular Ultrasound Exams	1,128	1,974	2,862	3,721	4,465
Carotid & Preventive Screening	870	1,523	2,208	2,870	3,444
ABI & Hemodynamic Testing	750	1,313	1,903	2,474	2,969
Vein Mapping & Specialized Studies	570	998	1,446	1,880	2,256
Total Unit Sales	3,318	5,807	8,419	10,945	13,134
Unit Prices	Year 1	Year 2	Year 3	Year 4	Year 5
Vascular Ultrasound Exams	$180.00	$185.00	$190.00	$195.00	$200.00
Carotid & Preventive Screening	$170.00	$175.00	$180.00	$185.00	$190.00
ABI & Hemodynamic Testing	$90.00	$95.00	$100.00	$105.00	$110.00
Vein Mapping & Specialized Studies	$280.00	$285.00	$290.00	$300.00	$310.00
Sales					
Vascular Ultrasound Exams	$203,040	$365,190	$543,837	$725,593	$893,038
Carotid & Preventive Screening	$147,900	$266,438	$397,373	$530,934	$654,340
ABI & Hemodynamic Testing	$67,500	$124,688	$190,313	$259,777	$326,576
Vein Mapping & Specialized Studies	$159,600	$284,288	$419,449	$564,086	$699,467
Total Sales	$578,040	$1,040,603	$1,550,971	$2,080,390	$2,573,421
Direct Unit Costs	Year 1	Year 2	Year 3	Year 4	Year 5
Vascular Ultrasound Exams	$21.60	$22.20	$22.80	$23.40	$24.00
Carotid & Preventive Screening	$25.50	$26.25	$27.00	$27.75	$28.50
ABI & Hemodynamic Testing	$9.00	$9.50	$10.00	$10.50	$11.00
Vein Mapping & Specialized Studies	$33.60	$34.20	$34.80	$36.00	$37.20
Direct Cost of Sales					
Vascular Ultrasound Exams	$24,365	$43,823	$65,260	$87,071	$107,165
Carotid & Preventive Screening	$22,185	$39,966	$59,606	$79,640	$98,151
ABI & Hemodynamic Testing	$6,750	$12,469	$19,031	$25,978	$32,658
Vein Mapping & Specialized Studies	$19,152	$34,114	$50,334	$67,690	$83,936
Subtotal Direct Cost of Sales	**$72,452**	**$130,372**	**$194,231**	**$260,379**	**$321,909**

5.4.2 Annual Sales Chart



6.0 Management Structure

As previously outlined, Mr. Nikolas Duarte Caldeira Brant will serve as the General Manager & Director of Vascular Imaging Services of DFW Vascular Imaging LLC. In this role, he will be responsible for overseeing the company's strategic direction, operational management, and expansion initiatives.

The company's organizational structure is designed to support a scalable healthcare service model, with a strong emphasis on operational efficiency, clinical quality, and progressive workforce expansion. According to the Personnel Plan, DFW Vascular Imaging LLC will begin operations with a lean team and gradually increase its workforce as service demand grows. By Year 5, the company is projected to employ a total of 15 professionals, including Mr. Brant.

6.1 Staffing Requirements

DFW Vascular Imaging LLC has developed a structured personnel plan to support its growth as a specialized provider of vascular diagnostic services. The staffing model is designed to align workforce expansion with service demand, ensuring operational efficiency while maintaining high standards of diagnostic quality and regulatory compliance.

In Year 1, the company will begin operations with a core team of four professionals, including:

- Mr. Nikolas Duarte Caldeira Brant as General Manager & Director of Vascular Imaging Services

- One Registered Vascular Technologist (RVT), responsible for diagnostic procedures
- One Medical Director (Part-Time), responsible for interpretation and clinical oversight
- One Sales & Provider Relations Manager, responsible for business development and partnerships

This initial structure allows the company to efficiently launch operations, establish provider relationships, and begin generating revenue.

As the company expands, its workforce will grow progressively to support increased service volume and operational complexity. By Year 5, the organization will include 15 employees, with key areas of expansion including:

- Additional Registered Vascular Technologists (RVTs) to increase diagnostic capacity
- Multiple Medical Directors (Part-Time) to support higher imaging volume and ensure compliance
- Administrative / Medical Assistants to support scheduling, documentation, and coordination
- An Operations Coordinator to manage logistics and service delivery efficiency
- Expanded Sales & Provider Relations team to strengthen partnerships and drive growth
- Outsourced Billing & Credentialing Specialists to manage reimbursement and compliance processes

This phased hiring strategy ensures that workforce growth remains directly aligned with revenue generation and service demand, supporting a scalable and sustainable operational model.

Annual Personnel Plan Table

The Annual Personnel Plan reflects the company's projected payroll expenses over the first five years of operation, aligned with its staffing growth and organizational expansion.

In Year 1, total payroll is projected at approximately $345,500, reflecting a lean operational structure focused on essential roles. As the company expands its workforce and increases service capacity, total payroll is expected to grow to approximately $1,421,740 by Year 5.

Salary growth reflects both the addition of new personnel and incremental adjustments to compensation levels over time, ensuring the company remains competitive in attracting qualified healthcare and operational professionals.

Key payroll drivers include:

- Growth in the number of Registered Vascular Technologists, reflecting increased service demand
- Expansion of Sales & Provider Relations Managers, supporting client acquisition and market growth
- Addition of Administrative and Operational staff, improving efficiency and scalability
- Increased utilization of Medical Directors (Part-Time) to support higher diagnostic volume

This structured payroll growth aligns with the company's revenue projections and supports long-term financial sustainability.

Five-Year Personnel Plan Table

The Five-Year Personnel Plan outlines the projected growth in headcount across all functional areas of the company.

DFW Vascular Imaging LLC will expand from 4 employees in Year 1 to 15 employees by Year 5, reflecting a controlled and demand-driven growth strategy.

The expansion is primarily driven by:

- Increase in Registered Vascular Technologists (from 1 to 3) to support higher diagnostic volume
- Growth in Medical Directors (Part-Time) (from 1 to 3) to ensure clinical oversight and compliance
- Introduction and expansion of Administrative / Medical Assistants (from 0 to 2) to support operations
- Addition of an Operations Coordinator to improve logistical efficiency
- Expansion of the Sales & Provider Relations team (from 1 to 3) to strengthen provider partnerships
- Growth of Outsourced Billing & Credentialing Specialists (from 0 to 2) to support reimbursement processes

This personnel structure ensures that both clinical and operational functions scale in parallel, allowing the company to maintain service quality while expanding its market presence.

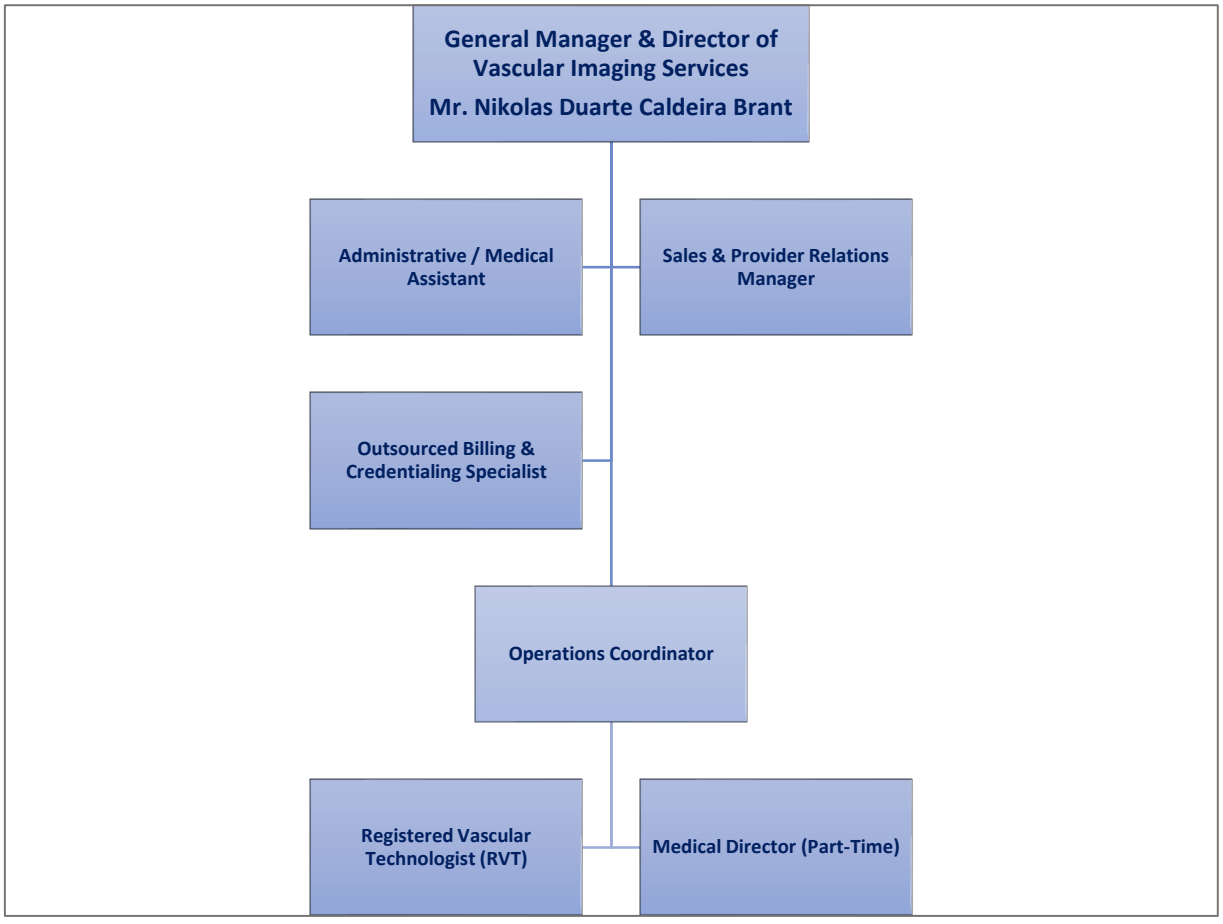
6.2 Annual Personnel Plan Table

Personnel Plan					
	Year 1	Year 2	Year 3	Year 4	Year 5
General Manager & Director of Vascular Imaging Services - Mr. Nikolas Duarte Caldeira Brant	$110,000	$138,000	$158,700	$182,505	$209,881
Registered Vascular Technologist (RVT)	$108,000	$115,500	$242,550	$382,016	$401,117
Medical Director (Part-Time)	$37,500	$47,250	$99,225	$156,279	$164,093
Administrative / Medical Assistant	$0	$44,100	$46,305	$48,620	$102,103
Operations Coordinator	$0	$73,500	$77,175	$81,034	$85,085
Sales & Provider Relations Manager	$90,000	$94,500	$198,450	$208,373	$328,187
Outsourced Billing & Credentialing Specialist	$0	$56,700	$59,535	$125,024	$131,275
Total People	4	7	10	13	15
Total Payroll	**$345,500**	**$569,550**	**$881,940**	**$1,183,851**	**$1,421,740**

6.3 Five-Year Personnel Plan Table

Personnel Plan					
	Year 1	Year 2	Year 3	Year 4	Year 5
General Manager & Director of Vascular Imaging Services - Mr. Nikolas Duarte Caldeira Brant	1	1	1	1	1
Registered Vascular Technologist (RVT)	1	1	2	3	3
Medical Director (Part-Time)	1	1	2	3	3
Administrative / Medical Assistant	0	1	1	1	2
Operations Coordinator	0	1	1	1	1
Sales & Provider Relations Manager	1	1	2	2	3
Outsourced Billing & Credentialing Specialist	0	1	1	2	2
Total People	**4**	**7**	**10**	**13**	**15**

6.4 Organizational Chart – Year 5



6.5 Duties and Responsibilities

General Manager & Director of Vascular Imaging Services – Mr. Nikolas Duarte Caldeira Brant

- Oversee overall business strategy, operational planning, and long-term growth initiatives
- Establish and manage partnerships with healthcare providers, clinics, and care facilities
- Supervise service delivery operations, ensuring efficiency, quality, and scalability
- Coordinate workforce planning, including hiring, training, and performance oversight of staff
- Ensure compliance with healthcare regulations, licensing requirements, and operational standards
- Monitor financial performance, budgeting, and cost control to support sustainable growth
- Develop and implement expansion strategies, including geographic and service capacity growth
- Lead business development efforts, strengthening the company's market position and referral network

Registered Vascular Technologist (RVT)

- Perform vascular ultrasound examinations, including arterial and venous studies
- Conduct ABI testing and other non-invasive hemodynamic assessments
- Ensure accuracy and quality of diagnostic imaging procedures
- Coordinate with administrative staff for scheduling and service delivery logistics

Medical Director (Part-Time)

- Interpret diagnostic imaging studies in accordance with U.S. medical standards
- Ensure clinical quality, accuracy, and compliance with regulatory requirements
- Provide oversight of diagnostic protocols and reporting standards
- Support quality assurance and continuous improvement of diagnostic services

Administrative / Medical Assistant

- Manage scheduling and coordination of appointments with healthcare providers and facilities
- Maintain patient and service documentation in compliance with HIPAA standards
- Support billing coordination and administrative workflows
- Assist with communication between clinical staff and partner organizations

Operations Coordinator

- Oversee daily operational logistics, including mobile service scheduling and routing
- Coordinate service delivery across multiple healthcare facilities
- Monitor operational efficiency and resource utilization

- Support implementation of workflow improvements and process standardization

Sales & Provider Relations Manager

- Develop and maintain relationships with referring physicians and healthcare facilities
- Identify new partnership opportunities and expand the provider network
- Support client acquisition and retention strategies
- Coordinate with operations to align service delivery with client needs

Outsourced Billing & Credentialing Specialist

- Manage insurance billing processes and claims submission
- Support Medicare and private insurance credentialing
- Monitor reimbursement processes and resolve billing discrepancies
- Ensure compliance with payer requirements and billing regulations

7.0 Financial Summary

The financial plan for DFW Vascular Imaging LLC provides a structured and realistic overview of the company's projected financial performance over its first five years of operation. The projections are based on the delivery of specialized vascular diagnostic services, including vascular ultrasound, carotid screening, ABI testing, and vein mapping, supported by a scalable operational model.

The financial model reflects steady and controlled growth, with total revenue projected to increase from approximately $578,040 in Year 1 to $2,573,421 by Year 5, driven by the expansion of service capacity, growth in provider partnerships, and increased utilization of mobile diagnostic services.

The company maintains a strong cost structure, with direct costs scaling proportionally with service volume while preserving healthy margins. Gross margin is projected to grow from approximately $505,588 in Year 1 to $2,251,512 by Year 5, reflecting efficient operational management and optimized use of clinical resources.

Net profit is expected to increase from approximately $23,753 in Year 1 to $337,921 by Year 5, demonstrating the company's ability to achieve profitability while expanding its operations. This performance allows for reinvestment in workforce growth, additional equipment, and operational infrastructure.

The financial plan also incorporates startup investment, payroll expansion, operational expenses, and projected tax contributions, ensuring a comprehensive evaluation of the company's financial feasibility. Overall, the projections demonstrate a sustainable and scalable business model aligned with market demand and operational efficiency.

7.1 Break-even Analysis

The Break-even Analysis is a critical financial metric for DFW Vascular Imaging LLC, identifying the point at which total monthly revenue equals total operating costs. This analysis provides a clear benchmark for financial sustainability and operational performance.

Based on the company's financial assumptions, the break-even point is projected to occur at approximately:

- 259 diagnostic procedures per month
- $45,070 in monthly revenue

This calculation is supported by the following assumptions:

- Average Revenue per Unit: Approximately $174.21 per diagnostic procedure, reflecting the blended pricing across all service lines
- Average Variable Cost per Unit: Approximately $21.84, including medical supplies, consumables, and direct service delivery costs
- Estimated Monthly Fixed Costs: Approximately $39,421, including payroll, administrative expenses, insurance, and operational overhead

Understanding the break-even point is essential for guiding the company's strategic and operational decisions. It establishes a clear performance threshold for achieving financial sustainability and serves as a reference for setting service volume targets, managing costs, and evaluating growth opportunities.

Reaching and exceeding this level of activity represents a key milestone for DFW Vascular Imaging LLC, marking the transition from initial operations to consistent profitability. Given the projected growth in service demand and provider partnerships, the company is well-positioned to surpass its break-even threshold within its early stages of operation.

7.1.1 Break-even Analysis Chart

Break-even Analysis	
Monthly Units Break-even	259
Monthly Revenue Break-even	$45,070
Assumptions:	
Average Per-Unit Revenue	$174.21
Average Per-Unit Variable Cost	$21.84
Estimated Monthly Fixed Cost	**$39,421**

7.2 Profit and Loss Assumptions

DFW Vascular Imaging LLC has developed a structured financial plan aligned with its service-based healthcare model, focused on the delivery of specialized vascular diagnostic services. The company's financial performance is driven by the volume of diagnostic procedures performed, efficient utilization of clinical staff, and controlled operational costs.

Revenue is projected to grow from approximately $578,040 in Year 1 to $2,573,421 by Year 5, reflecting the expansion of the company's provider network, increased service demand, and the addition of clinical capacity through Registered Vascular Technologists and mobile service operations.

Direct cost of sales is expected to increase proportionally with service volume, growing from approximately $72,452 in Year 1 to $321,909 by Year 5. These costs are primarily associated with medical supplies, consumables, and direct service delivery expenses. Despite this increase, the company maintains strong operational efficiency.

Gross margin remains consistently strong at approximately 87.5%, increasing from $505,588 in Year 1 to $2,251,512 by Year 5. This reflects the efficiency of the company's diagnostic service model, where revenue growth is supported by scalable service delivery and controlled direct costs.

Operating expenses are projected to grow from approximately $473,050 in Year 1 to $1,788,607 by Year 5, primarily driven by workforce expansion, payroll-related costs, and operational scaling. Payroll represents the largest expense category, reflecting the company's investment in skilled healthcare professionals and support staff necessary to deliver high-quality services.

Additional operating costs include insurance, billing and credentialing services, office expenses, technology systems, marketing activities, and mobile operational costs. These expenses increase gradually as the company expands its service capacity and geographic coverage.

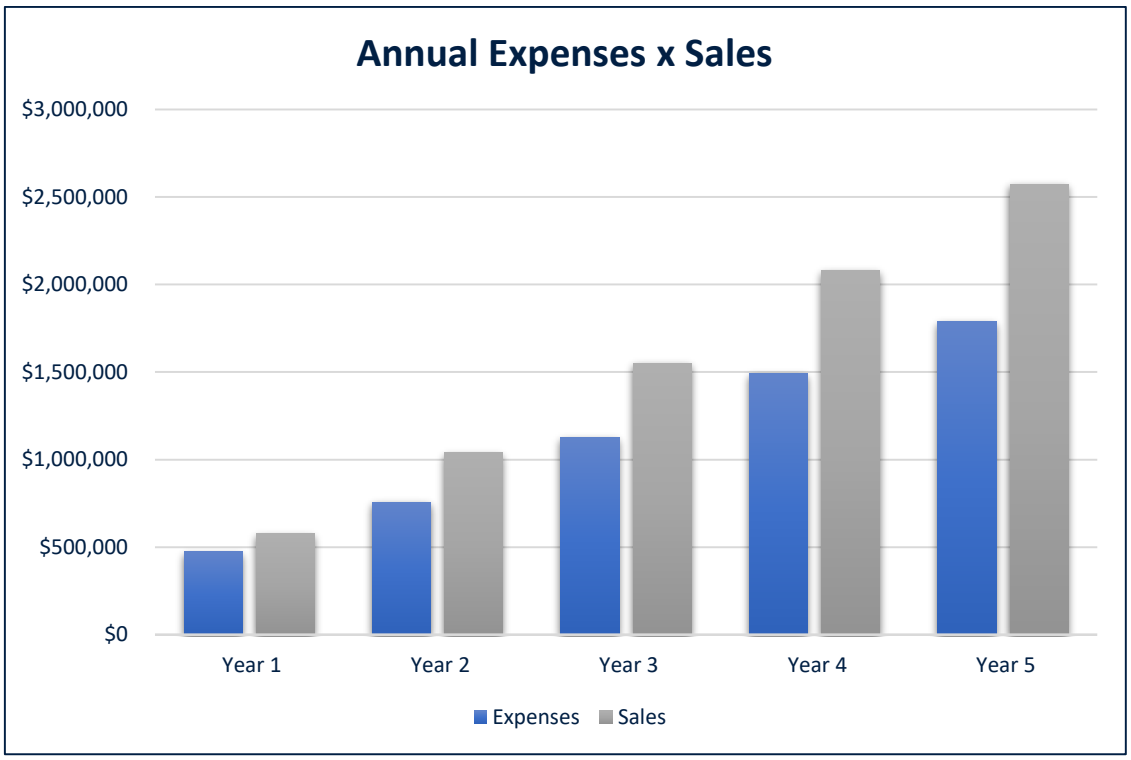
Profitability is expected to improve steadily over the projection period. Net profit is projected to grow from approximately $23,753 in Year 1 to $337,921 by Year 5, with net margins increasing from 4.11% to 13.13%. This trend reflects the company's ability to scale efficiently while maintaining cost discipline and improving operational leverage over time.

Overall, these financial projections demonstrate DFW Vascular Imaging LLC's capacity to achieve sustainable growth, maintain strong margins, and generate consistent profitability while expanding its operations. The model supports continued investment in workforce expansion, equipment, and operational infrastructure, reinforcing the company's long-term financial viability.

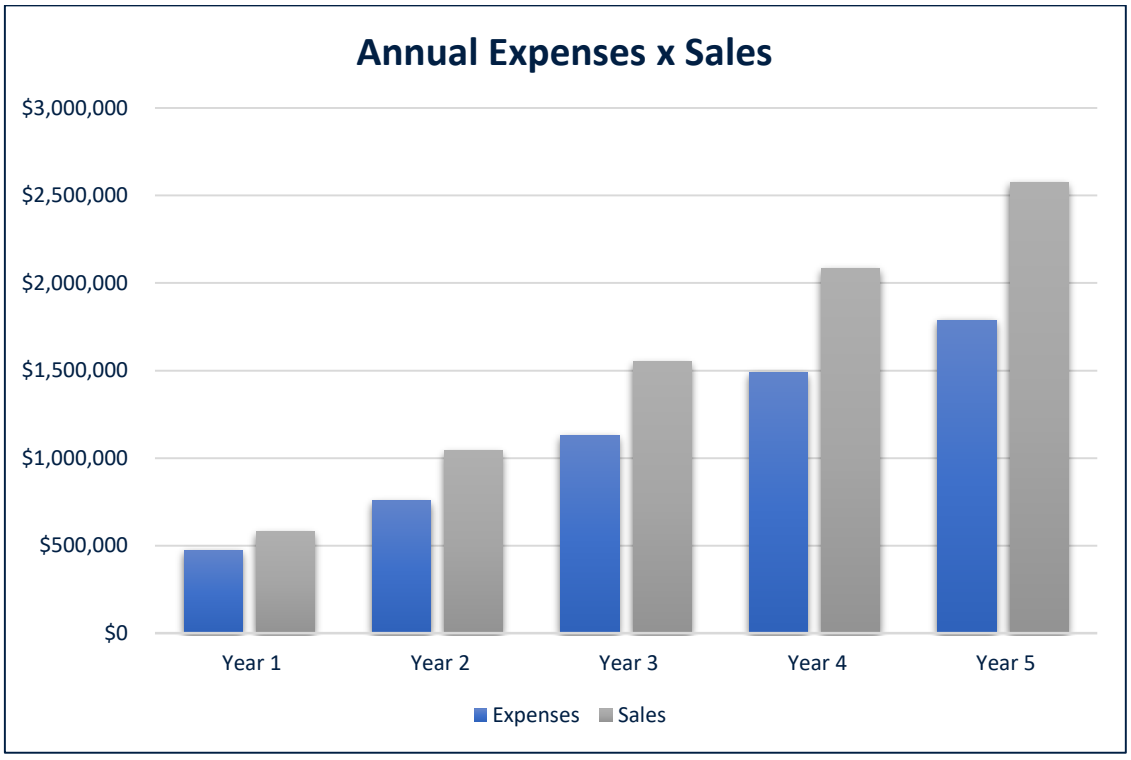
7.2.1 Annual Profit and Loss Table

Pro Forma Profit and Loss					
	Year 1	Year 2	Year 3	Year 4	Year 5
Sales	$578,040	$1,040,603	$1,550,971	$2,080,390	$2,573,421
Direct Cost of Sales	$72,452	$130,372	$194,231	$260,379	$321,909
Total Cost of Sales	$72,452	$130,372	$194,231	$260,379	$321,909
Gross Margin	$505,588	$910,231	$1,356,739	$1,820,010	$2,251,512
Gross Margin %	87.47%	87.47%	87.48%	87.48%	87.49%
Expenses					
Payroll	$345,500	$569,550	$881,940	$1,183,851	$1,421,740
Payroll Taxes & Benefits	$34,550	$56,955	$88,194	$118,385	$142,174
Depreciation	$9,600	$11,520	$13,824	$16,589	$19,907
Insurance (Liability, Professional)	$14,400	$17,280	$20,736	$24,883	$29,860
Billing & Credentialing Services (Outsourced)	$9,600	$11,520	$13,824	$16,589	$19,907
Office Expenses	$30,000	$36,000	$43,200	$51,840	$62,208
Software & IT Systems (HIPAA compliant)	$6,000	$7,200	$8,640	$10,368	$12,442
Marketing & Business Development	$14,400	$14,400	$17,280	$20,736	$24,883
Travel & Mobile Operations Costs	$6,000	$30,000	$36,000	$43,200	$51,840
Professional Fees (Legal, Accounting)	$3,000	$3,150	$3,308	$3,473	$3,647
Total Operating Expenses	$473,050	$757,575	$1,126,946	$1,489,913	$1,788,607
Profit Before Interest and Taxes	$32,538	$152,656	$229,794	$330,097	$462,905
EBITDA	$42,138	$164,176	$243,618	$346,686	$482,811
Taxes Incurred	$8,785	$41,217	$62,044	$89,126	$124,984
Net Profit	$23,753	$111,439	$167,749	$240,971	$337,921
Net Profit/Sales	**4.11%**	**10.71%**	**10.82%**	**11.58%**	**13.13%**

7.2.2 Annual Expenses x Sales Chart



7.2.3 Annual Profit Chart



7.3 Cash Flow Assumptions

DFW Vascular Imaging LLC is positioned to maintain a stable and positive cash flow profile, supported by consistent revenue generation and disciplined cost management. The Pro Forma Cash Flow statement reflects a gradual increase in operational inflows and controlled growth in expenditures over the five-year projection period.

In Year 1, total cash inflow from operations is projected at approximately $543,752, increasing steadily to approximately $2,544,176 by Year 5. These inflows are generated entirely from the company's core operations, including vascular diagnostic services, reflecting a self-sustaining business model with no reliance on external financing or non-operating income.

Cash inflows are structured through a combination of direct payments and receivables, which grow proportionally as the company expands its service volume and provider network. Cash sales are projected to increase from approximately $289,020 in Year 1 to $1,286,710 by Year 5, while collections from receivables grow from approximately $254,732 to $1,257,465 over the same period. This balanced structure reflects standard healthcare billing practices and supports consistent liquidity.

Operational expenditures increase in line with business growth and workforce expansion. Total cash spending is projected to rise from approximately $345,500 in Year 1 to $1,421,740 by Year 5, primarily driven by payroll as the company hires additional clinical and administrative staff. Bill payments, including operating expenses and service-related costs, are expected to grow from approximately $192,975 to $789,425.

As a result, total operational expenditures are projected to increase from approximately $538,475 in Year 1 to $2,211,166 by Year 5, reflecting the scaling of operations while maintaining cost control.

Additional expenditures include dividend distributions beginning in Year 2, increasing from $30,000 to $100,000 by Year 5, resulting in total cash expenditures reaching approximately $2,311,166 in the final year of the projection.

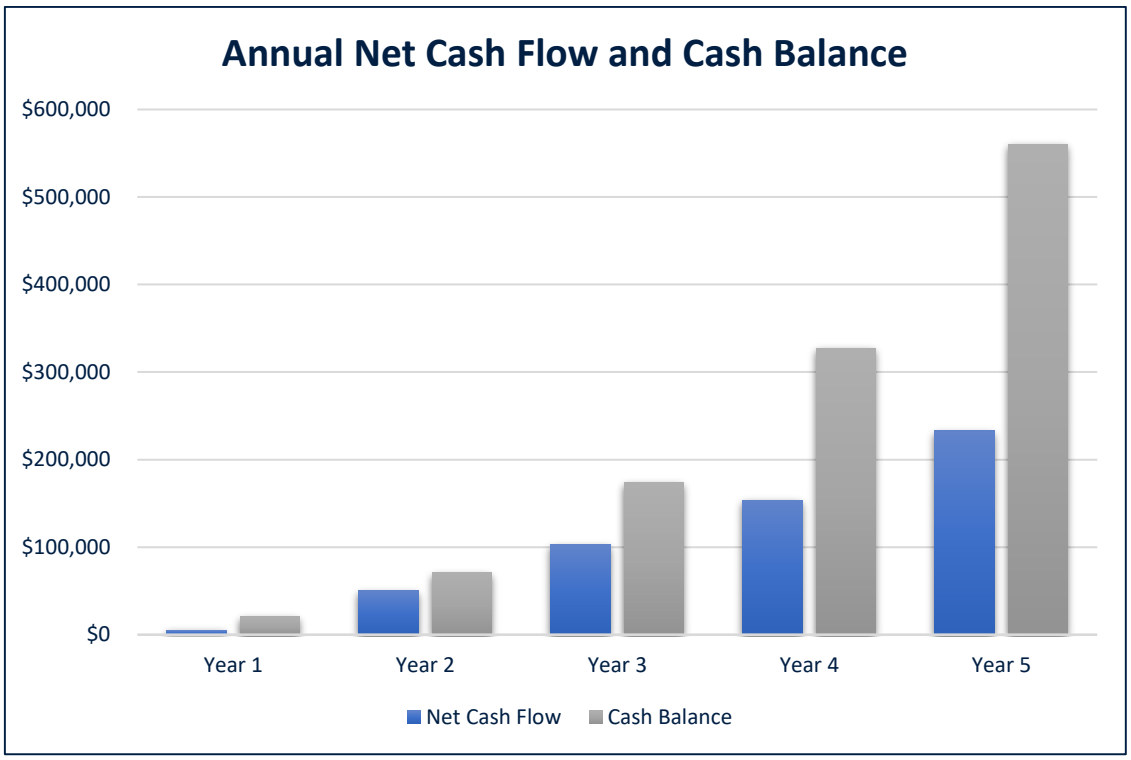
Net cash flow is expected to remain positive throughout the projection period, increasing from approximately $5,277 in Year 1 to $233,010 by Year 5. As a result, the company's cash balance is projected to grow from approximately $20,277 to $560,213, demonstrating consistent liquidity and financial stability.

Overall, the company's cash flow projections reflect a conservative and well-structured financial strategy. The model ensures that operational growth is supported by internally generated cash, enabling DFW Vascular Imaging LLC to fund workforce expansion, maintain operational efficiency, and sustain long-term business development without reliance on external financing.

7.3.1 Annual Cash Flow Table

Pro Forma Cash Flow					
	Year 1	Year 2	Year 3	Year 4	Year 5
Cash Received					
Cash from Operations					
Cash Sales	$289,020	$520,301	$775,485	$1,040,195	$1,286,710
Cash from Receivables	$254,732	$492,863	$745,212	$1,008,791	$1,257,465
Subtotal Cash from Operations	$543,752	$1,013,165	$1,520,697	$2,048,986	$2,544,176
Additional Cash Received					
Non-Operating (Other) Income	$0	$0	$0	$0	$0
Sales Tax, VAT, HST/GST Received	$0	$0	$0	$0	$0
New Current Borrowing	$0	$0	$0	$0	$0
New Other Liabilities (interest-free)	$0	$0	$0	$0	$0
New Long-term Liabilities	$0	$0	$0	$0	$0
Sales of Other Current Assets	$0	$0	$0	$0	$0
Sales of Long-term Assets	$0	$0	$0	$0	$0
New Investment Received	$0	$0	$0	$0	$0
Subtotal Cash Received	$543,752	$1,013,165	$1,520,697	$2,048,986	$2,544,176
Expenditures	Year 1	Year 2	Year 3	Year 4	Year 5
Expenditures from Operations					
Cash Spending	$345,500	$569,550	$881,940	$1,183,851	$1,421,740
Bill Payments	$192,975	$363,037	$486,139	$636,405	$789,425
Subtotal Spent on Operations	$538,475	$932,587	$1,368,079	$1,820,256	$2,211,166
Additional Cash Spent					
Non-Operating (Other) Expense	$0	$0	$0	$0	$0
Sales Tax, VAT, HST/GST Paid Out	$0	$0	$0	$0	$0
Principal Repayment of Current Borrowing	$0	$0	$0	$0	$0
Other Liabilities Principal Repayment	$0	$0	$0	$0	$0
Long-term Liabilities Principal Repayment	$0	$0	$0	$0	$0
Purchase Other Current Assets	$0	$0	$0	$0	$0
Purchase Long-term Assets	$0	$0	$0	$0	$0
Dividends	$0	$30,000	$50,000	$75,000	$100,000
Subtotal Cash Spent	$538,475	$962,587	$1,418,079	$1,895,256	$2,311,166
Net Cash Flow	$5,277	$50,577	$102,618	$153,730	$233,010
Cash Balance	**$20,277**	**$70,855**	**$173,473**	**$327,203**	**$560,213**

7.3.2 Annual Net Cash Flow and Cash Balance Chart



7.4 Balance Sheet Assumptions

Over the five-year projection period, DFW Vascular Imaging LLC's balance sheet reflects steady and sustainable financial growth, characterized by increasing asset levels, limited liabilities, and a progressively strengthening equity position.

Current assets are composed primarily of cash, accounts receivable, and medical-related inventory. Cash balances are projected to grow from approximately $20,277 in Year 1 to $560,213 by Year 5, driven by consistent positive cash flow and disciplined financial management. Accounts receivable increase from approximately $34,288 to $152,648, reflecting the company's growing service volume and standard healthcare billing cycles. Inventory, which includes medical supplies and consumables, grows from approximately $17,722 to $66,330, supporting increased operational activity.

As a result, total current assets are projected to increase from approximately $72,287 in Year 1 to $779,190 by Year 5, demonstrating the company's ability to scale operations while maintaining liquidity.

Long-term assets remain minimal, reflecting the company's service-based model with limited capital-intensive infrastructure. Accumulated depreciation increases gradually from approximately $9,600 in Year 1 to $71,439 by Year 5, associated with the depreciation of medical equipment and operational assets. Total assets grow from approximately $62,687 in Year 1 to $707,751 by Year 5, reflecting overall financial expansion.

On the liabilities side, the company maintains a conservative financial structure. Accounts payable increase moderately from approximately $23,934 in Year 1 to $65,918 by Year 5, reflecting normal operational growth. No short-term or long-term debt is assumed throughout the projection period, reinforcing a low-risk financial profile and strong reliance on internally generated cash.

Paid-in capital remains constant at $90,000, representing the initial investment made by the owner. Retained earnings transition from an initial negative position of approximately ($75,000) to a positive balance of approximately $213,912 by Year 5, reflecting the accumulation of profits over time. Combined with ongoing earnings, total equity increases from approximately $38,753 in Year 1 to $641,833 by Year 5.

7.4.1 Annual Balance Sheet Table

Pro Forma Balance Sheet					
	Year 1	Year 2	Year 3	Year 4	Year 5
Assets					
Current Assets					
Cash	$20,277	$70,855	$173,473	$327,203	$560,213
Accounts Receivable	$34,288	$61,726	$91,999	$123,403	$152,648
Inventory	$17,722	$39,099	$48,229	$58,176	$66,330
Other Current Assets	$0	$0	$0	$0	$0
Total Current Assets	$72,287	$171,679	$313,700	$508,781	$779,190
Long-term Assets					
Long-term Assets	$0	$0	$0	$0	$0
Accumulated Depreciation	$9,600	$21,120	$34,944	$51,533	$71,439
Total Long-term Assets	($9,600)	($21,120)	($34,944)	($51,533)	($71,439)
Total Assets	$62,687	$150,559	$278,756	$457,248	$707,751
Liabilities and Capital	Year 1	Year 2	Year 3	Year 4	Year 5
Current Liabilities					
Accounts Payable	$23,934	$30,367	$40,815	$53,336	$65,918
Current Borrowing	$0	$0	$0	$0	$0
Other Current Liabilities	$0	$0	$0	$0	$0
Subtotal Current Liabilities	$23,934	$30,367	$40,815	$53,336	$65,918
Long-term Liabilities	$0	$0	$0	$0	$0
Total Liabilities	$23,934	$30,367	$40,815	$53,336	$65,918
Paid-in Capital	$90,000	$90,000	$90,000	$90,000	$90,000
Retained Earnings	($75,000)	($81,247)	($19,808)	$72,941	$213,912
Earnings	$23,753	$111,439	$167,749	$240,971	$337,921
Total Capital	$38,753	$120,192	$237,941	$403,912	$641,833
Total Liabilities and Capital	$62,687	$150,559	$278,756	$457,248	$707,751
Net Worth	**$38,753**	**$120,192**	**$237,941**	**$403,912**	**$641,833**

8.0 Mr. Nikolas Duarte Caldeira Brant's National-level Impact

Mr. Nikolas Duarte Caldeira Brant's proposed endeavor through DFW Vascular Imaging LLC demonstrates substantial national importance by directly addressing critical challenges within the U.S. healthcare system, particularly those related to cardiovascular disease prevention, diagnostic access, and healthcare efficiency.

1. Addressing a Critical Public Health Challenge

Cardiovascular disease remains the leading cause of death in the United States, accounting for approximately one in every five deaths and nearly 696,000 fatalities annually. In addition, approximately 127 million adults are affected by one or more cardiovascular conditions, placing a significant burden on the healthcare system. [26]

The economic impact of these conditions exceeds $233 billion annually, highlighting the urgent need for improved diagnostic access, early detection, and preventive care strategies. [27]

Mr. Brant's work directly contributes to addressing this challenge by expanding access to non-invasive vascular diagnostic services. More importantly, the clinical impact of these services is both direct and measurable. Early detection of vascular disease allows for timely medical intervention, significantly reducing the risk of severe complications that result from delayed diagnosis.

For example, early identification of peripheral arterial disease (PAD) enables treatment before progression to critical limb ischemia, a condition strongly associated with preventable amputations.[28] By enabling earlier diagnosis, the proposed services contribute directly to reducing amputation rates and improving patient quality of life.

2. Alignment with U.S. Government Priorities

The proposed endeavor aligns closely with national healthcare priorities established by federal agencies. Initiatives such as the Million Hearts Initiative emphasize prevention, early detection, and improved access to care as key strategies to reduce cardiovascular events. [29]

Mr. Brant's model directly supports these priorities by enabling earlier and more accessible vascular diagnostics, particularly in non-hospital settings. The ability to detect vascular conditions at earlier stages plays a critical role in preventing high-cost and high-risk medical events.[30]

In particular, carotid duplex screening allows for the identification of carotid artery stenosis, a major risk factor for ischemic stroke. Early detection enables timely intervention, significantly

[26] https://www.cdc.gov/cdi/indicator-definitions/cardiovascular-disease.html
[27] https://www.cdc.gov/pcd/issues/2022/22_0347.htm
[28] https://newsroom.heart.org/news/early-diagnosis-treatment-of-peripheral-artery-disease-essential-to-improve-outcomes-reduce-amputation-risk
[29] https://www.cms.gov/priorities/innovation/innovation-models/million-hearts
[30] https://www.cms.gov/newsroom/press-releases/medicare-expands-coverage-cardiovascular-disease-prevention-services

reducing the incidence of preventable strokes, which remain one of the leading causes of long-term disability in the United States.

3. Expanding Access to Decentralized Care

A significant limitation within the U.S. healthcare system is the concentration of diagnostic services within hospital-based environments. This structure creates barriers to access, particularly for elderly patients and individuals in long-term care or home healthcare settings.

DFW Vascular Imaging LLC addresses this issue through a decentralized, mobile diagnostic model, delivering services directly at the point of care. This approach reduces delays in diagnosis and enables earlier clinical decision-making.

The clinical implications of this improved access are substantial. Timely diagnostic evaluation allows for earlier identification of conditions such as deep vein thrombosis (DVT), reducing the risk of complications such as pulmonary embolism, which can be life-threatening if not treated promptly.

4. Improving Healthcare Efficiency and Reducing Costs

Delayed diagnosis of vascular conditions frequently results in severe complications that require emergency intervention and hospitalization. These outcomes significantly increase healthcare costs and strain the healthcare system.

By enabling early detection, Mr. Brant's services contribute to a measurable reduction in:

- Emergency room visits
- Hospital admissions
- High-cost surgical interventions

Early diagnosis of vascular disease allows for outpatient management and preventive treatment, reducing the need for acute care services and improving overall system efficiency.

From a cost perspective, preventing advanced-stage complications such as stroke, amputation, and thromboembolic events results in substantial savings for both public and private healthcare systems.

5. Impact on High-Risk Populations

The proposed endeavor is particularly impactful for high-risk populations, including elderly individuals and patients with chronic conditions such as diabetes, hypertension, and obesity.

These populations are at significantly higher risk for vascular disease progression and complications. Early and continuous monitoring through non-invasive diagnostics enables better disease management and reduces the likelihood of severe outcomes. [31]

In addition, ongoing monitoring of conditions such as chronic venous insufficiency supports long-term patient management, reducing disease progression and improving quality of life.

[31] https://www.cdc.gov/nccdphp/divisions-offices/about-the-division-for-heart-disease-and-stroke-prevention.html

6. Economic and Workforce Contribution

In addition to its clinical impact, Mr. Nikolas Duarte Caldeira Brant's proposed endeavor generates measurable economic benefits through job creation, workforce development, and expansion of healthcare service capacity in the United States.

DFW Vascular Imaging LLC is structured to grow from an initial team of 4 professionals in Year 1 to 15 employees by Year 5, reflecting a controlled and demand-driven expansion aligned with service utilization and revenue growth. This growth includes the hiring of highly specialized healthcare professionals, particularly Registered Vascular Technologists (RVTs), as well as administrative and operational staff necessary to support service delivery and business operations.

The expansion of the workforce is directly supported by the company's financial performance, with total payroll projected to increase from approximately $345,500 in Year 1 to $1,421,740 by Year 5. This growth reflects not only job creation but also the company's contribution to the development of skilled healthcare employment within the U.S. labor market.

The hiring of RVTs and related professionals addresses a critical need within the healthcare system, where demand for qualified diagnostic specialists continues to grow. By creating these positions, DFW Vascular Imaging LLC contributes to strengthening the healthcare workforce and increasing the system's capacity to deliver timely diagnostic services.

In addition to direct employment, the company supports broader economic activity through outsourced services such as billing and credentialing, as well as operational expenditures that contribute to local and regional economic ecosystems.

Conclusion

DFW Vascular Imaging LLC presents a well-structured and scalable business model designed to address critical gaps in the U.S. healthcare system, particularly in the areas of vascular disease diagnosis, preventive care, and access to non-invasive imaging services. Through its hybrid operational approach combining fixed and mobile diagnostic capabilities, the company is positioned to improve access to timely and accurate vascular diagnostics across a wide range of healthcare settings.

The proposed endeavor delivers measurable clinical impact by enabling early detection of vascular conditions such as peripheral arterial disease, carotid artery stenosis, and deep vein thrombosis. Early diagnosis of these conditions plays a critical role in preventing severe medical outcomes, including amputations, strokes, and life-threatening complications, while also reducing emergency room visits, hospitalizations, and long-term healthcare costs.

From an economic perspective, the company demonstrates strong potential for sustainable growth, supported by increasing demand for diagnostic services and a scalable operational structure. The projected expansion from 4 to 15 employees, along with significant increases in payroll, revenue, and tax contributions, reflects a meaningful contribution to the U.S. economy and healthcare workforce development.

In addition, the company aligns national healthcare priorities that emphasize preventive care, decentralized service delivery, and improved system efficiency. By reducing delays in diagnosis

and expanding access to essential healthcare services particularly for high-risk and underserved populations, DFW Vascular Imaging LLC contributes to strengthening the overall healthcare system.

Overall, the proposed business demonstrates strong financial viability, operational scalability, and substantial national importance. Through its combined clinical, economic, and systemic impact, DFW Vascular Imaging LLC is well-positioned to generate long-term value, improve patient outcomes, and support the continued advancement of healthcare delivery in the United States.

9.0 Indirect jobs creation - Economic Policy Institute

Each industry has backward linkages to economic sectors that provide the materials needed for the industry's output, just as each industry has forward linkages to the economic sectors where the industry's workers spend their income. Therefore, in addition to the jobs directly supported by an industry, a large number of indirect jobs may also be supported by that industry. The subtraction or addition of jobs and output in industries with strong backward and forward linkages to other economic sectors can cause large ripple effects.

According to the national job multipliers published by the Economy Policy Institute (EPI) on January 23, 2019,[32] 100 direct jobs in the Medical, and diagnostic laboratories industry generate a total of 176.6 total indirect jobs, as demonstrated in the following table:

APPENDIX TABLE A1

Employment multipliers per 100 direct jobs, all private-sector industries

	Industry	Direct jobs	Supplier jobs*	Induced jobs**	Total indirect jobs
149	Offices of other health practitioners	100.0	43.1	68.3	111.4
150	Outpatient care centers	100.0	72.1	88.0	160.1
151	Medical and diagnostic laboratories	100.0	84.6	92.0	176.6
152	Home health care services	100.0	41.6	56.5	98.1
153	Other ambulatory health care services	100.0	81.9	78.1	160.0
154	Hospitals (private)	100.0	123.7	112.7	236.5

[32] https://www.epi.org/publication/updated-employment-multipliers-for-the-u-s-economy/

Since Mr. Brant will create 15 direct jobs by the end of Year 5, the total number of indirect jobs to be generated in the same period will reach 26 according to the multipliers provided by the EPI. In addition to its in-house team, DFW Vascular Imaging LLC will hire a number of independent contractors on a project basis, including legal professionals and technicians. Additionally, the company will mediate in the hiring of professionals that will perform services that are deemed to be required. Therefore, the company will stimulate the employment of a number of workers of different profiles. Furthermore, the company will hire an outsourced marketing company to develop its website and work with marketing campaigns.

The direct and indirect job creation by DFW Vascular Imaging LLC, as well as the utilization of independent contractors and outsourced services, will have a significant positive impact on the local and national economy, fostering job growth, generating income, and contributing to overall economic prosperity.

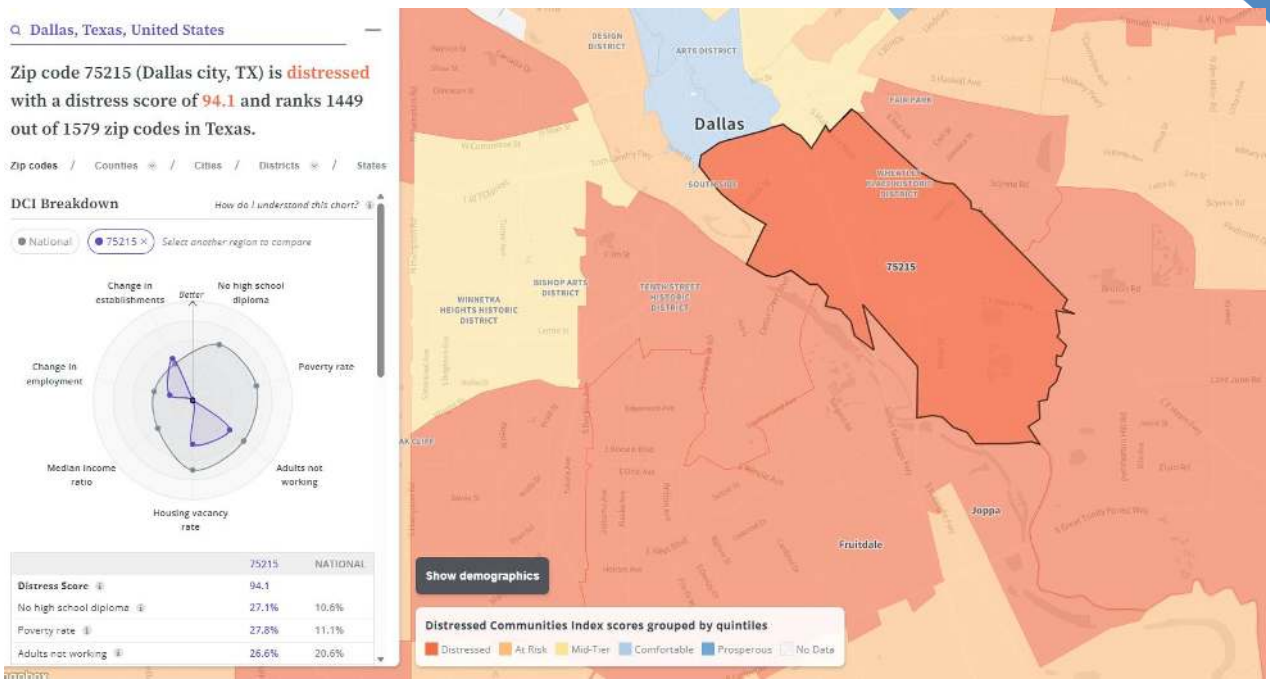
In conclusion, DFW Vascular Imaging LLC's expansion plans, under the leadership of Mr. Nikolas Duarte Caldeira Brant, encompass the creation of direct and indirect employment opportunities, the payment of substantial taxes, and the utilization of local resources and services. By contributing to job creation, tax revenue, and economic growth, DFW Vascular Imaging LLC aims to make a lasting and positive impact on both the local community and the broader U.S. economy.

9.1 Distressed Communities

This section provides a comprehensive analysis of the demographic and socioeconomic conditions in the Dallas–Fort Worth region, with a specific focus on ZIP Code 75215 (Dallas, Texas), an area classified as economically distressed based on the Distressed Communities Index (DCI).

With a Distress Score of 94.1, ranking 1,449 out of 1,579 ZIP codes in Texas, this region faces significant structural challenges that directly impact economic mobility, workforce participation, and access to essential services. These conditions highlight the need for initiatives that support economic development, improve access to healthcare, and strengthen community infrastructure.[33]

[33] https://eig.org/distressed-communities-interactive/?regions%5B0%5D=75215&geo=zctas&lat=32.75&lon=-96.76&z=12.83



Demographic and Socioeconomic Profile

The socioeconomic indicators of ZIP Code 75215 reflect a high level of economic distress when compared to national benchmarks.

The poverty rate is approximately 27.8%, more than double the national average of 11.1%, while the median income level is only 47.5% of the national average, indicating substantial income inequality and limited economic opportunity. In addition, approximately 27.1% of the population lacks a high school diploma, significantly higher than the national average of 10.6%, which presents challenges related to workforce readiness and long-term economic mobility.

Labor market participation is also constrained, with approximately 26.6% of adults not actively participating in the workforce, compared to 20.6% nationally. This suggests a combination of unemployment and underemployment, limiting economic growth and reducing household stability.

Housing conditions further reflect economic instability. The housing vacancy rate is approximately 11.9%, notably higher than the national average of 7.0%, indicating potential issues related to affordability, population mobility, and neighborhood investment.

From a demographic perspective, the area is predominantly composed of Black or African-American residents (approximately 59.0%), followed by Hispanic or Latino populations (25.2%), with a smaller proportion of Non-Hispanic White residents. This composition reflects a historically underserved community, where access to healthcare, economic opportunity, and essential services remains uneven.

Economic Trends and Structural Challenges

The area has experienced negative employment trends, with a decline in employment of approximately -7.8%, compared to national growth of 5.1%. While there has been some increase

in local business establishments (+7.8%), this growth has not yet translated into sufficient job creation or economic stability.

These indicators demonstrate systemic challenges, including limited access to employment opportunities, reduced income levels, and barriers to economic mobility. Additionally, restricted access to healthcare services further exacerbates these issues, particularly for populations at higher risk of chronic conditions.

Business and Healthcare Implications

Operating within a distressed community such as ZIP Code 75215 presents both challenges and meaningful opportunities, particularly for healthcare service providers.

The region's demographic and economic profile indicates a strong need for accessible, cost-effective, and decentralized healthcare solutions, especially for populations that face barriers to traditional hospital-based services. High poverty levels and limited transportation access increase the importance of mobile and community-based healthcare delivery models.

DFW Vascular Imaging LLC is well-positioned to address these needs by providing non-invasive vascular diagnostic services through a mobile and decentralized model, improving access to care for underserved populations. By reducing logistical barriers and delivering services directly within the community, the company supports earlier diagnosis and improved management of vascular conditions.

Community Impact and Economic Contribution

The company's presence in this region contributes not only to healthcare access but also to local economic development. By creating employment opportunities and expanding healthcare service availability, DFW Vascular Imaging LLC supports workforce participation and community stability.

Furthermore, improved access to preventive and diagnostic services contributes to long-term economic benefits by reducing the burden of untreated chronic conditions, lowering healthcare costs, and improving overall quality of life.

ZIP Code 75215 represents a highly distressed community with significant socioeconomic challenges, including high poverty rates, limited workforce participation, and restricted access to healthcare services.

DFW Vascular Imaging LLC's proposed operations directly address these challenges by expanding access to essential diagnostic services, supporting preventive healthcare, and contributing to local economic development. By aligning its business model with the needs of underserved populations, the company is positioned to generate both economic value and meaningful social impact within the community.

APPENDIX

Monthly Sales Forecast Table

Sales Forecast													
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
Unit Sales													
Vascular Ultrasound Exams		50	58	66	74	82	90	98	106	114	122	130	138
Carotid & Preventive Screening		45	50	55	60	65	70	75	80	85	90	95	100
ABI & Hemodynamic Testing		35	40	45	50	55	60	65	70	75	80	85	90
Vein Mapping & Specialized Studies		20	25	30	35	40	45	50	55	60	65	70	75
Total Unit Sales		150	173	196	219	242	265	288	311	334	357	380	403
Unit Prices		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
Vascular Ultrasound Exams		$180.00	$180.00	$180.00	$180.00	$180.00	$180.00	$180.00	$180.00	$180.00	$180.00	$180.00	$180.00
Carotid & Preventive Screening		$170.00	$170.00	$170.00	$170.00	$170.00	$170.00	$170.00	$170.00	$170.00	$170.00	$170.00	$170.00
ABI & Hemodynamic Testing		$90.00	$90.00	$90.00	$90.00	$90.00	$90.00	$90.00	$90.00	$90.00	$90.00	$90.00	$90.00
Vein Mapping & Specialized Studies		$280.00	$280.00	$280.00	$280.00	$280.00	$280.00	$280.00	$280.00	$280.00	$280.00	$280.00	$280.00
Sales													
Vascular Ultrasound Exams		$9,000	$10,440	$11,880	$13,320	$14,760	$16,200	$17,640	$19,080	$20,520	$21,960	$23,400	$24,840
Carotid & Preventive Screening		$7,650	$8,500	$9,350	$10,200	$11,050	$11,900	$12,750	$13,600	$14,450	$15,300	$16,150	$17,000
ABI & Hemodynamic Testing		$3,150	$3,600	$4,050	$4,500	$4,950	$5,400	$5,850	$6,300	$6,750	$7,200	$7,650	$8,100
Vein Mapping & Specialized Studies		$5,600	$7,000	$8,400	$9,800	$11,200	$12,600	$14,000	$15,400	$16,800	$18,200	$19,600	$21,000
Total Sales		$25,400	$29,540	$33,680	$37,820	$41,960	$46,100	$50,240	$54,380	$58,520	$62,660	$66,800	$70,940
Direct Unit Costs		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
Vascular Ultrasound Exams	12.00%	$21.60	$21.60	$21.60	$21.60	$21.60	$21.60	$21.60	$21.60	$21.60	$21.60	$21.60	$21.60
Carotid & Preventive Screening	15.00%	$25.50	$25.50	$25.50	$25.50	$25.50	$25.50	$25.50	$25.50	$25.50	$25.50	$25.50	$25.50
ABI & Hemodynamic Testing	10.00%	$9.00	$9.00	$9.00	$9.00	$9.00	$9.00	$9.00	$9.00	$9.00	$9.00	$9.00	$9.00
Vein Mapping & Specialized Studies	12.00%	$33.60	$33.60	$33.60	$33.60	$33.60	$33.60	$33.60	$33.60	$33.60	$33.60	$33.60	$33.60
Direct Cost of Sales													
Vascular Ultrasound Exams		$1,080	$1,253	$1,426	$1,598	$1,771	$1,944	$2,117	$2,290	$2,462	$2,635	$2,808	$2,981
Carotid & Preventive Screening		$1,148	$1,275	$1,403	$1,530	$1,658	$1,785	$1,913	$2,040	$2,168	$2,295	$2,423	$2,550
ABI & Hemodynamic Testing		$315	$360	$405	$450	$495	$540	$585	$630	$675	$720	$765	$810
Vein Mapping & Specialized Studies		$672	$840	$1,008	$1,176	$1,344	$1,512	$1,680	$1,848	$2,016	$2,184	$2,352	$2,520
Subtotal Direct Cost of Sales		**$3,215**	**$3,728**	**$4,241**	**$4,754**	**$5,268**	**$5,781**	**$6,294**	**$6,808**	**$7,321**	**$7,834**	**$8,348**	**$8,861**

Monthly Personnel Plan Table

Personnel Plan													
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
General Manager & Director of Vascular Imaging Services - Mr. Nikolas Duarte Caldeira Brant		$0	$6,000	$6,000	$8,000	$8,000	$10,000	$10,000	$10,000	$12,000	$12,000	$14,000	$14,000
Registered Vascular Technologist (RVT)		$9,000	$9,000	$9,000	$9,000	$9,000	$9,000	$9,000	$9,000	$9,000	$9,000	$9,000	$9,000
Medical Director (Part-Time)		$0	$0	$3,750	$3,750	$3,750	$3,750	$3,750	$3,750	$3,750	$3,750	$3,750	$3,750
Administrative / Medical Assistant		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Operations Coordinator		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Sales & Provider Relations Manager		$7,500	$7,500	$7,500	$7,500	$7,500	$7,500	$7,500	$7,500	$7,500	$7,500	$7,500	$7,500
Outsourced Billing & Credentialing Specialist		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total People		3	3	4	4	4	4	4	4	4	4	4	4
Total Payroll		**$16,500**	**$22,500**	**$26,250**	**$28,250**	**$28,250**	**$30,250**	**$30,250**	**$30,250**	**$32,250**	**$32,250**	**$34,250**	**$34,250**

Monthly Profit and Loss Table

Pro Forma Profit and Loss													
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
Sales		$25,400	$29,540	$33,680	$37,820	$41,960	$46,100	$50,240	$54,380	$58,520	$62,660	$66,800	$70,940
Direct Cost of Sales		$3,215	$3,728	$4,241	$4,754	$5,268	$5,781	$6,294	$6,808	$7,321	$7,834	$8,348	$8,861
Total Cost of Sales		$3,215	$3,728	$4,241	$4,754	$5,268	$5,781	$6,294	$6,808	$7,321	$7,834	$8,348	$8,861
Gross Margin		$22,186	$25,812	$29,439	$33,066	$36,692	$40,319	$43,946	$47,572	$51,199	$54,826	$58,453	$62,079
Gross Margin %		87.34%	87.38%	87.41%	87.43%	87.45%	87.46%	87.47%	87.48%	87.49%	87.50%	87.50%	87.51%
Expenses													
Payroll		$16,500	$22,500	$26,250	$28,250	$28,250	$30,250	$30,250	$30,250	$32,250	$32,250	$34,250	$34,250
Payroll Taxes & Benefits	10%	$1,650	$2,250	$2,625	$2,825	$2,825	$3,025	$3,025	$3,025	$3,225	$3,225	$3,425	$3,425
Depreciation		$800	$800	$800	$800	$800	$800	$800	$800	$800	$800	$800	$800
Insurance (Liability, Professional)		$1,200	$1,200	$1,200	$1,200	$1,200	$1,200	$1,200	$1,200	$1,200	$1,200	$1,200	$1,200
Billing & Credentialing Services (Outsourced)		$800	$800	$800	$800	$800	$800	$800	$800	$800	$800	$800	$800
Office Expenses		$2,500	$2,500	$2,500	$2,500	$2,500	$2,500	$2,500	$2,500	$2,500	$2,500	$2,500	$2,500
Software & IT Systems (HIPAA compliant)		$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500
Marketing & Business Development		$1,200	$1,200	$1,200	$1,200	$1,200	$1,200	$1,200	$1,200	$1,200	$1,200	$1,200	$1,200
Travel & Mobile Operations Costs		$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500	$500
Professional Fees (Legal, Accounting)		$250	$250	$250	$250	$250	$250	$250	$250	$250	$250	$250	$250
Total Operating Expenses		$25,900	$32,500	$36,625	$38,825	$38,825	$41,025	$41,025	$41,025	$43,225	$43,225	$45,425	$45,425
Profit Before Interest and Taxes		($3,715)	($6,688)	($7,186)	($5,759)	($2,133)	($706)	$2,921	$6,547	$7,974	$11,601	$13,028	$16,654
EBITDA		($2,915)	($5,888)	($6,386)	($4,959)	($1,333)	$94	$3,721	$7,347	$8,774	$12,401	$13,828	$17,454
Interest Expense		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Taxes Incurred		($1,003)	($1,806)	($1,940)	($1,555)	($576)	($191)	$789	$1,768	$2,153	$3,132	$3,517	$4,497
Net Profit		($2,712)	($4,882)	($5,246)	($4,204)	($1,557)	($515)	$2,132	$4,780	$5,821	$8,469	$9,510	$12,158
Net Profit/Sales		**-10.68%**	**-16.53%**	**-15.58%**	**-11.12%**	**-3.71%**	**-1.12%**	**4.24%**	**8.79%**	**9.95%**	**13.52%**	**14.24%**	**17.14%**

Monthly Cash Flow Table

Pro Forma Cash Flow													
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
Cash Received													
Cash from Operations													
Cash Sales		$12,700	$14,770	$16,840	$18,910	$20,980	$23,050	$25,120	$27,190	$29,260	$31,330	$33,400	$35,470
Cash from Receivables		$423	$12,769	$14,839	$16,909	$18,979	$21,049	$23,119	$25,189	$27,259	$29,329	$31,399	$33,469
Subtotal Cash from Operations		$13,123	$27,539	$31,679	$35,819	$39,959	$44,099	$48,239	$52,379	$56,519	$60,659	$64,799	$68,939
Additional Cash Received													
Non-Operating (Other) Income		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Sales Tax, VAT, HST/GST Received	0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
New Current Borrowing		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
New Other Liabilities (interest-free)		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
New Long-term Liabilities		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Sales of Other Current Assets		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Sales of Long-term Assets		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
New Investment Received		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal Cash Received		$13,123	$27,539	$31,679	$35,819	$39,959	$44,099	$48,239	$52,379	$56,519	$60,659	$64,799	$68,939
Expenditures		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
Expenditures from Operations													
Cash Spending		$16,500	$22,500	$26,250	$28,250	$28,250	$30,250	$30,250	$30,250	$32,250	$32,250	$34,250	$34,250
Bill Payments		$575	$17,071	$12,174	$12,939	$14,051	$15,530	$16,642	$18,134	$19,614	$20,725	$22,205	$23,316
Subtotal Spent on Operations		$17,075	$39,571	$38,424	$41,189	$42,301	$45,780	$46,892	$48,384	$51,864	$52,975	$56,455	$57,566
Additional Cash Spent													
Non-Operating (Other) Expense		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Sales Tax, VAT, HST/GST Paid Out		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Principal Repayment of Current Borrowing		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Liabilities Principal Repayment		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Long-term Liabilities Principal Repayment		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Purchase Other Current Assets		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Purchase Long-term Assets		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Dividends		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal Cash Spent		$17,075	$39,571	$38,424	$41,189	$42,301	$45,780	$46,892	$48,384	$51,864	$52,975	$56,455	$57,566
Net Cash Flow		($3,951)	($12,032)	($6,745)	($5,370)	($2,342)	($1,681)	$1,347	$3,995	$4,655	$7,684	$8,344	$11,373
Cash Balance		**$11,049**	**($983)**	**($7,728)**	**($13,098)**	**($15,440)**	**($17,121)**	**($15,774)**	**($11,779)**	**($7,123)**	**$560**	**$8,905**	**$20,277**

Monthly Balance Sheet Table

Pro Forma Balance Sheet													
		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
Assets	Starting Balances												
Current Assets													
Cash	$15,000	$11,049	($983)	($7,728)	($13,098)	($15,440)	($17,121)	($15,774)	($11,779)	($7,123)	$560	$8,905	$20,277
Accounts Receivable	$0	$12,277	$14,278	$16,279	$18,280	$20,281	$22,282	$24,283	$26,284	$28,285	$30,286	$32,287	$34,288
Inventory	$0	$6,429	$7,456	$8,482	$9,509	$10,535	$11,562	$12,589	$13,615	$14,642	$15,668	$16,695	$17,722
Other Current Assets	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Current Assets	$15,000	$29,754	$20,750	$17,033	$14,690	$15,376	$16,723	$21,098	$28,120	$35,803	$46,514	$57,886	$72,287
Long-term Assets													
Long-term Assets	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Accumulated Depreciation	$0	$800	$1,600	$2,400	$3,200	$4,000	$4,800	$5,600	$6,400	$7,200	$8,000	$8,800	$9,600
Total Long-term Assets	$0	($800)	($1,600)	($2,400)	($3,200)	($4,000)	($4,800)	($5,600)	($6,400)	($7,200)	($8,000)	($8,800)	($9,600)
Total Assets	$15,000	$28,954	$19,150	$14,633	$11,490	$11,376	$11,923	$15,498	$21,720	$28,603	$38,514	$49,086	$62,687
Liabilities and Capital		Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
Current Liabilities													
Accounts Payable	$0	$16,666	$11,744	$12,472	$13,534	$14,977	$16,039	$17,482	$18,924	$19,986	$21,429	$22,491	$23,934
Current Borrowing	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Other Current Liabilities	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal Current Liabilities	$0	$16,666	$11,744	$12,472	$13,534	$14,977	$16,039	$17,482	$18,924	$19,986	$21,429	$22,491	$23,934
Long-term Liabilities	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Liabilities	$0	$16,666	$11,744	$12,472	$13,534	$14,977	$16,039	$17,482	$18,924	$19,986	$21,429	$22,491	$23,934
Paid-in Capital	$90,000	$90,000	$90,000	$90,000	$90,000	$90,000	$90,000	$90,000	$90,000	$90,000	$90,000	$90,000	$90,000
Retained Earnings	($75,000)	($75,000)	($75,000)	($75,000)	($75,000)	($75,000)	($75,000)	($75,000)	($75,000)	($75,000)	($75,000)	($75,000)	($75,000)
Earnings	$0	($2,712)	($7,594)	($12,840)	($17,044)	($18,601)	($19,116)	($16,984)	($12,204)	($6,383)	$2,085	$11,595	$23,753
Total Capital	$15,000	$12,288	$7,406	$2,160	($2,044)	($3,601)	($4,116)	($1,984)	$2,796	$8,617	$17,085	$26,595	$38,753
Total Liabilities and Capital	$15,000	$28,954	$19,150	$14,633	$11,490	$11,376	$11,923	$15,498	$21,720	$28,603	$38,514	$49,086	$62,687
Net Worth	**$15,000**	**$12,288**	**$7,406**	**$2,160**	**($2,044)**	**($3,601)**	**($4,116)**	**($1,984)**	**$2,796**	**$8,617**	**$17,085**	**$26,595**	**$38,753**

Homeland Security Investigations

DHS STEM Designated Degree Program List

Last Updated: July 22, 2024

The U.S. Department of Homeland Security (DHS) STEM Designated Degree Program List is a complete list of fields of study that DHS considers to be science, technology, engineering or mathematics (STEM) fields of study for purposes of the 24-month STEM optional practical training extension described at *8 CFR 214.2(f)*. Under *8 CFR 214.2(f)(10)(ii)(C)(2)*, a STEM field of study is one "included in the Department of Education's Classification of Instructional Programs taxonomy within the two-digit series containing engineering, biological sciences, mathematics, and physical sciences, or a related field. In general, related fields will include fields involving research, innovation, or development of new technologies using engineering, mathematics, computer science, or natural sciences (including physical, biological, and agricultural sciences)."

Accordingly, this list designates the following four primary CIP series at the 2-digit CIP code level: Engineering (14), Biological and Biomedical Sciences (26), Mathematics and Statistics (27) and Physical Sciences (40). Any new additions to those areas will automatically be included on this STEM Designated Degree Program List.

This list also includes CIPs from the following 18 related CIP series at the 6-digit CIP code level: Agricultural/Animal/Plant/Veterinary Science and Related Fields (01); Natural Resources and Conservation (03); Architecture and Related Services (04); Communication, Journalism and Related Programs (09); Communications Technologies/Technicians and Support Services (10); Computer and Information Sciences and Support Services (11); Education (13); Engineering/Engineering-Related Technologies/Technicians (15); Military Science, Leadership and Operational Art (28); Military Technologies and Applied Sciences (29); Multi/Interdisciplinary Studies (30); Science Technologies/Technicians (41); Psychology (42); Homeland Security, Law Enforcement, Firefighting and Related Protective Services (43); Social Sciences (45); Transportation and Materials Moving (49); Health Professions and Related Programs (51); and Business, Management, Marketing and Related Support Services (52).

CIP Code Two-Digit Series	2020 CIP Code	CIP Code Title
01	01.0308	Agroecology and Sustainable Agriculture.
01	01.0901	Animal Sciences, General.
01	01.0902	Agricultural Animal Breeding.
01	01.0903	Animal Health.
01	01.0904	Animal Nutrition.
01	01.0905	Dairy Science.
01	01.0906	Livestock Management.
01	01.0907	Poultry Science.
01	01.0999	Animal Sciences, Other.
01	01.1001	Food Science.
01	01.1002	Food Technology and Processing.

CIP Code Two-Digit Series	2020 CIP Code	CIP Code Title
01	01.1099	Food Science and Technology, Other.
01	01.1101	Plant Sciences, General.
01	01.1102	Agronomy and Crop Science.
01	01.1103	Horticultural Science.
01	01.1104	Agricultural and Horticultural Plant Breeding.
01	01.1105	Plant Protection and Integrated Pest Management.
01	01.1106	Range Science and Management.
01	01.1199	Plant Sciences, Other.
01	01.1201	Soil Science and Agronomy, General.
01	01.1202	Soil Chemistry and Physics.
01	01.1203	Soil Microbiology.
01	01.1299	Soil Sciences, Other.
01	01.8105	Veterinary Anatomy.
01	01.8106	Veterinary Infectious Diseases.
01	01.8107	Veterinary Microbiology and Immunobiology.
01	01.8108	Veterinary Pathology and Pathobiology.
01	01.8109	Veterinary Physiology.
01	01.8110	Veterinary Preventive Medicine, Epidemiology, and Public Health.
01	01.8111	Veterinary Toxicology and Pharmacology.
03	03.0101	Natural Resources/Conservation, General.
03	03.0103	Environmental Studies.
03	03.0104	Environmental Science.
03	03.0199	Natural Resources Conservation and Research, Other.
03	03.0204	Environmental/Natural Resource Economics.
03	03.0205	Water, Wetlands, and Marine Resources Management.
03	03.0210	Bioenergy.
03	03.0501	Forestry, General.
03	03.0502	Forest Sciences and Biology.
03	03.0508	Urban Forestry.
03	03.0509	Wood Science and Wood Products/Pulp and Paper Technology/Technician.
03	03.0510	Forest Resources Production and Management.
03	03.0601	Wildlife, Fish and Wildlands Science and Management.
04	04.0601	Landscape Architecture.
04	04.0902	Architectural and Building Sciences/Technology.
09	09.0702	Digital Communication and Media/Multimedia.
10	10.0304	Animation, Interactive Technology, Video Graphics, and Special Effects.

CIP Code Two-Digit Series	2020 CIP Code	CIP Code Title
11	11.0101	Computer and Information Sciences, General.
11	11.0102	Artificial Intelligence.
11	11.0103	Information Technology.
11	11.0104	Informatics.
11	11.0105	Human-Centered Technology Design.
11	11.0199	Computer and Information Sciences, Other.
11	11.0201	Computer Programming/Programmer, General.
11	11.0202	Computer Programming, Specific Applications.
11	11.0203	Computer Programming, Vendor/Product Certification.
11	11.0299	Computer Programming, Other.
11	11.0301	Data Processing and Data Processing Technology/ Technician.
11	11.0401	Information Science/Studies.
11	11.0501	Computer Systems Analysis/Analyst.
11	11.0701	Computer Science.
11	11.0801	Web Page, Digital/Multimedia and Information Resources Design.
11	11.0802	Data Modeling/Warehousing and Database Administration.
11	11.0803	Computer Graphics.
11	11.0804	Modeling, Virtual Environments and Simulation.
11	11.0899	Computer Software and Media Applications, Other.
11	11.0901	Computer Systems Networking and Telecommunications.
11	11.0902	Cloud Computing.
11	11.1001	Network and System Administration/Administrator.
11	11.1002	System, Networking, and LAN/WAN Management/Manager.
11	11.1003	Computer and Information Systems Security/Auditing/Information Assurance.
11	11.1004	Web/Multimedia Management and Webmaster.
11	11.1005	Information Technology Project Management.
11	11.1006	Computer Support Specialist.
11	11.1099	Computer/Information Technology Services Administration and Management, Other.
13	13.0501	Educational/Instructional Technology.
13	13.0601	Educational Evaluation and Research.
13	13.0603	Educational Statistics and Research Methods.
13	13.0608	Institutional Research.
14	14.0000	ENGINEERING.
14	14.0100	Engineering, General.

CIP Code Two-Digit Series	2020 CIP Code	CIP Code Title
14	14.0101	Engineering, General.
14	14.0102	Pre-Engineering.
14	14.0103	Applied Engineering.
14	14.0200	Aerospace, Aeronautical, and Astronautical/Space Engineering.
14	14.0201	Aerospace, Aeronautical, and Astronautical/Space Engineering, General.
14	14.0202	Astronautical Engineering.
14	14.0299	Aerospace, Aeronautical, and Astronautical/Space Engineering, Other.
14	14.0300	Agricultural Engineering.
14	14.0301	Agricultural Engineering.
14	14.0400	Architectural Engineering.
14	14.0401	Architectural Engineering.
14	14.0500	Biomedical/Medical Engineering.
14	14.0501	Bioengineering and Biomedical Engineering.
14	14.0600	Ceramic Sciences and Engineering.
14	14.0601	Ceramic Sciences and Engineering.
14	14.0700	Chemical Engineering.
14	14.0701	Chemical Engineering.
14	14.0702	Chemical and Biomolecular Engineering.
14	14.0799	Chemical Engineering, Other.
14	14.0800	Civil Engineering.
14	14.0801	Civil Engineering, General.
14	14.0802	Geotechnical and Geoenvironmental Engineering.
14	14.0803	Structural Engineering.
14	14.0804	Transportation and Highway Engineering.
14	14.0805	Water Resources Engineering.
14	14.0899	Civil Engineering, Other.
14	14.0900	Computer Engineering.
14	14.0901	Computer Engineering, General.
14	14.0902	Computer Hardware Engineering.
14	14.0903	Computer Software Engineering.
14	14.0999	Computer Engineering, Other.
14	14.1000	Electrical, Electronics, and Communications Engineering.
14	14.1001	Electrical and Electronics Engineering.
14	14.1003	Laser and Optical Engineering.
14	14.1004	Telecommunications Engineering.

CIP Code Two-Digit Series	2020 CIP Code	CIP Code Title
14	14.1099	Electrical, Electronics, and Communications Engineering, Other.
14	14.1100	Engineering Mechanics.
14	14.1101	Engineering Mechanics.
14	14.1200	Engineering Physics.
14	14.1201	Engineering Physics/Applied Physics.
14	14.1300	Engineering Science.
14	14.1301	Engineering Science.
14	14.1400	Environmental/Environmental Health Engineering.
14	14.1401	Environmental/Environmental Health Engineering.
14	14.1800	Materials Engineering.
14	14.1801	Materials Engineering.
14	14.1900	Mechanical Engineering.
14	14.1901	Mechanical Engineering.
14	14.2000	Metallurgical Engineering.
14	14.2001	Metallurgical Engineering.
14	14.2100	Mining and Mineral Engineering.
14	14.2101	Mining and Mineral Engineering.
14	14.2200	Naval Architecture and Marine Engineering.
14	14.2201	Naval Architecture and Marine Engineering.
14	14.2300	Nuclear Engineering.
14	14.2301	Nuclear Engineering.
14	14.2400	Ocean Engineering.
14	14.2401	Ocean Engineering.
14	14.2500	Petroleum Engineering.
14	14.2501	Petroleum Engineering.
14	14.2700	Systems Engineering.
14	14.2701	Systems Engineering.
14	14.2800	Textile Sciences and Engineering.
14	14.2801	Textile Sciences and Engineering.
14	14.3200	Polymer/Plastics Engineering.
14	14.3201	Polymer/Plastics Engineering.
14	14.3300	Construction Engineering.
14	14.3301	Construction Engineering.
14	14.3400	Forest Engineering.
14	14.3401	Forest Engineering.
14	14.3500	Industrial Engineering.

CIP Code Two-Digit Series	2020 CIP Code	CIP Code Title
14	14.3501	Industrial Engineering.
14	14.3600	Manufacturing Engineering.
14	14.3601	Manufacturing Engineering.
14	14.3700	Operations Research.
14	14.3701	Operations Research.
14	14.3800	Surveying Engineering.
14	14.3801	Surveying Engineering.
14	14.3900	Geological/Geophysical Engineering.
14	14.3901	Geological/Geophysical Engineering.
14	14.4000	Paper Science and Engineering.
14	14.4001	Paper Science and Engineering.
14	14.4100	Electromechanical Engineering.
14	14.4101	Electromechanical Engineering.
14	14.4200	Mechatronics, Robotics, and Automation Engineering.
14	14.4201	Mechatronics, Robotics, and Automation Engineering.
14	14.4300	Biochemical Engineering.
14	14.4301	Biochemical Engineering.
14	14.4400	Engineering Chemistry.
14	14.4401	Engineering Chemistry.
14	14.4500	Biological/Biosystems Engineering.
14	14.4501	Biological/Biosystems Engineering.
14	14.4700	Electrical and Computer Engineering.
14	14.4701	Electrical and Computer Engineering.
14	14.4800	Energy Systems Engineering.
14	14.4801	Energy Systems Engineering, General.
14	14.4802	Power Plant Engineering.
14	14.4899	Energy Systems Engineering, Other.
14	14.9900	Engineering, Other.
14	14.9999	Engineering, Other.
15	15.0000	Engineering Technologies/Technicians, General.
15	15.0101	Architectural Engineering Technologies/Technicians.
15	15.0201	Civil Engineering Technologies/Technicians.
15	15.0303	Electrical, Electronic, and Communications Engineering Technology/Technician.
15	15.0304	Laser and Optical Technology/Technician.
15	15.0305	Telecommunications Technology/Technician.

CIP Code Two-Digit Series	2020 CIP Code	CIP Code Title
15	15.0306	Integrated Circuit Design Technology/Technician.
15	15.0399	Electrical/Electronic Engineering Technologies/Technicians, Other.
15	15.0401	Biomedical Technology/Technician.
15	15.0403	Electromechanical/Electromechanical Engineering Technology/Technician.
15	15.0404	Instrumentation Technology/Technician.
15	15.0405	Robotics Technology/Technician.
15	15.0406	Automation Engineer Technology/Technician.
15	15.0407	Mechatronics, Robotics, and Automation Engineering Technology/Technician.
15	15.0499	Electromechanical Technologies/Technicians, Other.
15	15.0501	Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/Technician.
15	15.0506	Water Quality and Wastewater Treatment Management and Recycling Technology/Technician.
15	15.0507	Environmental/Environmental Engineering Technology/Technician.
15	15.0508	Hazardous Materials Management and Waste Technology/Technician.
15	15.0599	Environmental Control Technologies/Technicians, Other.
15	15.0607	Plastics and Polymer Engineering Technology/Technician.
15	15.0611	Metallurgical Technology/Technician.
15	15.0612	Industrial Technology/Technician.
15	15.0613	Manufacturing Engineering Technology/Technician.
15	15.0614	Welding Engineering Technology/Technician.
15	15.0615	Chemical Engineering Technology/Technician.
15	15.0616	Semiconductor Manufacturing Technology/Technician.
15	15.0617	Composite Materials Technology/Technician.
15	15.0699	Industrial Production Technologies/Technicians, Other.
15	15.0701	Occupational Safety and Health Technology/Technician.
15	15.0702	Quality Control Technology/Technician.
15	15.0703	Industrial Safety Technology/Technician.
15	15.0704	Hazardous Materials Information Systems Technology/Technician.
15	15.0799	Quality Control and Safety Technologies/Technicians, Other.
15	15.0801	Aeronautical/Aerospace Engineering Technology/Technician.
15	15.0803	Automotive Engineering Technology/Technician.
15	15.0805	Mechanical/Mechanical Engineering Technology/Technician.
15	15.0899	Mechanical Engineering Related Technologies/Technicians, Other.
15	15.0901	Mining Technology/Technician.
15	15.0903	Petroleum Technology/Technician.

CIP Code Two-Digit Series	2020 CIP Code	CIP Code Title
15	15.0999	Mining and Petroleum Technologies/Technicians, Other.
15	15.1001	Construction Engineering Technology/Technician.
15	15.1102	Surveying Technology/Surveying.
15	15.1103	Hydraulics and Fluid Power Technology/Technician.
15	15.1199	Engineering-Related Technologies/Technicians, Other.
15	15.1201	Computer Engineering Technology/Technician.
15	15.1202	Computer/Computer Systems Technology/Technician.
15	15.1203	Computer Hardware Technology/Technician.
15	15.1204	Computer Software Technology/Technician.
15	15.1299	Computer Engineering Technologies/Technicians, Other.
15	15.1301	Drafting and Design Technology/Technician, General.
15	15.1302	CAD/CADD Drafting and/or Design Technology/Technician.
15	15.1303	Architectural Drafting and Architectural CAD/CADD.
15	15.1304	Civil Drafting and Civil Engineering CAD/CADD.
15	15.1305	Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD.
15	15.1306	Mechanical Drafting and Mechanical Drafting CAD/CADD.
15	15.1399	Drafting/Design Engineering Technologies/Technicians, Other.
15	15.1401	Nuclear Engineering Technology/Technician.
15	15.1501	Engineering/Industrial Management.
15	15.1502	Engineering Design.
15	15.1503	Packaging Science.
15	15.1599	Engineering-Related Fields, Other.
15	15.1601	Nanotechnology.
15	15.1701	Energy Systems Technology/Technician.
15	15.1703	Solar Energy Technology/Technician.
15	15.9999	Engineering/Engineering-Related Technologies/Technicians, Other.
26	26.0000	BIOLOGICAL AND BIOMEDICAL SCIENCES.
26	26.0100	Biology, General.
26	26.0101	Biology/Biological Sciences, General.
26	26.0102	Biomedical Sciences, General.
26	26.0200	Biochemistry, Biophysics and Molecular Biology.
26	26.0202	Biochemistry.
26	26.0203	Biophysics.
26	26.0204	Molecular Biology.
26	26.0205	Molecular Biochemistry.
26	26.0206	Molecular Biophysics.
26	26.0207	Structural Biology.
26	26.0208	Photobiology.

CIP Code Two-Digit Series	2020 CIP Code	CIP Code Title
26	26.0209	Radiation Biology/Radiobiology.
26	26.0210	Biochemistry and Molecular Biology.
26	26.0299	Biochemistry, Biophysics and Molecular Biology, Other.
26	26.0300	Botany/Plant Biology.
26	26.0301	Botany/Plant Biology.
26	26.0305	Plant Pathology/Phytopathology.
26	26.0307	Plant Physiology.
26	26.0308	Plant Molecular Biology.
26	26.0399	Botany/Plant Biology, Other.
26	26.0400	Cell/Cellular Biology and Anatomical Sciences.
26	26.0401	Cell/Cellular Biology and Histology.
26	26.0403	Anatomy.
26	26.0404	Developmental Biology and Embryology.
26	26.0406	Cell/Cellular and Molecular Biology.
26	26.0407	Cell Biology and Anatomy.
26	26.0499	Cell/Cellular Biology and Anatomical Sciences, Other.
26	26.0500	Microbiological Sciences and Immunology.
26	26.0502	Microbiology, General.
26	26.0503	Medical Microbiology and Bacteriology.
26	26.0504	Virology.
26	26.0505	Parasitology.
26	26.0506	Mycology.
26	26.0507	Immunology.
26	26.0508	Microbiology and Immunology.
26	26.0509	Infectious Disease and Global Health.
26	26.0599	Microbiological Sciences and Immunology, Other.
26	26.0700	Zoology/Animal Biology.
26	26.0701	Zoology/Animal Biology.
26	26.0702	Entomology.
26	26.0707	Animal Physiology.
26	26.0708	Animal Behavior and Ethology.
26	26.0709	Wildlife Biology.
26	26.0799	Zoology/Animal Biology, Other.
26	26.0800	Genetics.
26	26.0801	Genetics, General.
26	26.0802	Molecular Genetics.

CIP Code Two-Digit Series	2020 CIP Code	CIP Code Title
26	26.0803	Microbial and Eukaryotic Genetics.
26	26.0804	Animal Genetics.
26	26.0805	Plant Genetics.
26	26.0806	Human/Medical Genetics.
26	26.0807	Genome Sciences/Genomics.
26	26.0899	Genetics, Other.
26	26.0900	Physiology, Pathology and Related Sciences.
26	26.0901	Physiology, General.
26	26.0902	Molecular Physiology.
26	26.0903	Cell Physiology.
26	26.0904	Endocrinology.
26	26.0905	Reproductive Biology.
26	26.0907	Cardiovascular Science.
26	26.0908	Exercise Physiology and Kinesiology.
26	26.0909	Vision Science/Physiological Optics.
26	26.0910	Pathology/Experimental Pathology.
26	26.0911	Oncology and Cancer Biology.
26	26.0912	Aerospace Physiology and Medicine.
26	26.0913	Biomechanics.
26	26.0999	Physiology, Pathology, and Related Sciences, Other.
26	26.1000	Pharmacology and Toxicology.
26	26.1001	Pharmacology.
26	26.1002	Molecular Pharmacology.
26	26.1003	Neuropharmacology.
26	26.1004	Toxicology.
26	26.1005	Molecular Toxicology.
26	26.1006	Environmental Toxicology.
26	26.1007	Pharmacology and Toxicology.
26	26.1099	Pharmacology and Toxicology, Other.
26	26.1100	Biomathematics, Bioinformatics, and Computational Biology.
26	26.1101	Biometry/Biometrics.
26	26.1102	Biostatistics.
26	26.1103	Bioinformatics.
26	26.1104	Computational Biology.
26	26.1199	Biomathematics, Bioinformatics, and Computational Biology, Other.
26	26.1200	Biotechnology.

CIP Code Two-Digit Series	2020 CIP Code	CIP Code Title
26	26.1201	Biotechnology.
26	26.1300	Ecology, Evolution, Systematics, and Population Biology.
26	26.1301	Ecology.
26	26.1302	Marine Biology and Biological Oceanography.
26	26.1303	Evolutionary Biology.
26	26.1304	Aquatic Biology/Limnology.
26	26.1305	Environmental Biology.
26	26.1306	Population Biology.
26	26.1307	Conservation Biology.
26	26.1308	Systematic Biology/Biological Systematics.
26	26.1309	Epidemiology.
26	26.1310	Ecology and Evolutionary Biology.
26	26.1311	Epidemiology and Biostatistics.
26	26.1399	Ecology, Evolution, Systematics and Population Biology, Other.
26	26.1400	Molecular Medicine.
26	26.1401	Molecular Medicine.
26	26.1500	Neurobiology and Neurosciences.
26	26.1501	Neuroscience.
26	26.1502	Neuroanatomy.
26	26.1503	Neurobiology and Anatomy.
26	26.1504	Neurobiology and Behavior.
26	26.1599	Neurobiology and Neurosciences, Other.
26	26.9900	Biological and Biomedical Sciences, Other.
26	26.9999	Biological and Biomedical Sciences, Other.
27	27.0000	MATHEMATICS AND STATISTICS.
27	27.0100	Mathematics.
27	27.0101	Mathematics, General.
27	27.0102	Algebra and Number Theory.
27	27.0103	Analysis and Functional Analysis.
27	27.0104	Geometry/Geometric Analysis.
27	27.0105	Topology and Foundations.
27	27.0199	Mathematics, Other.
27	27.0300	Applied Mathematics.
27	27.0301	Applied Mathematics, General.
27	27.0303	Computational Mathematics.
27	27.0304	Computational and Applied Mathematics.

CIP Code Two-Digit Series	2020 CIP Code	CIP Code Title
27	27.0305	Financial Mathematics.
27	27.0306	Mathematical Biology.
27	27.0399	Applied Mathematics, Other.
27	27.0500	Statistics.
27	27.0501	Statistics, General.
27	27.0502	Mathematical Statistics and Probability.
27	27.0503	Mathematics and Statistics.
27	27.0599	Statistics, Other.
27	27.0600	Applied Statistics.
27	27.0601	Applied Statistics, General.
27	27.9900	Mathematics and Statistics, Other.
27	27.9999	Mathematics and Statistics, Other.
28	28.0501	Air Science/Airpower Studies.
28	28.0502	Air and Space Operational Art and Science.
28	28.0505	Naval Science and Operational Studies.
29	29.0201	Intelligence, General.
29	29.0202	Strategic Intelligence.
29	29.0203	Signal/Geospatial Intelligence.
29	29.0204	Command & Control (C3, C4I) Systems and Operations.
29	29.0205	Information Operations/Joint Information Operations.
29	29.0206	Information/Psychological Warfare and Military Media Relations.
29	29.0207	Cyber/Electronic Operations and Warfare.
29	29.0299	Intelligence, Command Control and Information Operations, Other.
29	29.0301	Combat Systems Engineering.
29	29.0302	Directed Energy Systems.
29	29.0303	Engineering Acoustics.
29	29.0304	Low-Observables and Stealth Technology.
29	29.0305	Space Systems Operations.
29	29.0306	Operational Oceanography.
29	29.0307	Undersea Warfare.
29	29.0399	Military Applied Sciences, Other.
29	29.0401	Aerospace Ground Equipment Technology.
29	29.0402	Air and Space Operations Technology.
29	29.0403	Aircraft Armament Systems Technology.
29	29.0404	Explosive Ordinance/Bomb Disposal.
29	29.0405	Joint Command/Task Force (C3, C4I) Systems.

CIP Code Two-Digit Series	2020 CIP Code	CIP Code Title
29	29.0406	Military Information Systems Technology.
29	29.0407	Missile and Space Systems Technology.
29	29.0408	Munitions Systems/Ordinance Technology.
29	29.0409	Radar Communications and Systems Technology.
29	29.0499	Military Systems and Maintenance Technology, Other.
29	29.9999	Military Technologies and Applied Sciences, Other.
30	30.0101	Biological and Physical Sciences.
30	30.0601	Systems Science and Theory.
30	30.0801	Mathematics and Computer Science.
30	30.1001	Biopsychology.
30	30.1701	Behavioral Sciences.
30	30.1801	Natural Sciences.
30	30.1901	Nutrition Sciences.
30	30.2501	Cognitive Science, General.
30	30.2701	Human Biology.
30	30.3001	Computational Science.
30	30.3101	Human Computer Interaction.
30	30.3201	Marine Sciences.
30	30.3301	Sustainability Studies.
30	30.3401	Anthrozoology.
30	30.3501	Climate Science.
30	30.3801	Earth Systems Science.
30	30.3901	Economics and Computer Science.
30	30.4101	Environmental Geosciences.
30	30.4301	Geobiology.
30	30.4401	Geography and Environmental Studies.
30	30.4801	Linguistics and Computer Science
30	30.4901	Mathematical Economics.
30	30.5001	Mathematics and Atmospheric/Oceanic Science.
30	30.7001	Data Science, General.
30	30.7101	Data Analytics, General.
30	30.7102	Business Analytics.
30	30.7103	Data Visualization.
30	30.7104	Financial Analytics.
30	30.7199	Data Analytics, Other.
40	40.0000	PHYSICAL SCIENCES.
40	40.0100	Physical Sciences, General.

CIP Code Two-Digit Series	2020 CIP Code	CIP Code Title
40	40.0101	Physical Sciences, General.
40	40.0200	Astronomy and Astrophysics.
40	40.0201	Astronomy.
40	40.0202	Astrophysics.
40	40.0203	Planetary Astronomy and Science.
40	40.0299	Astronomy and Astrophysics, Other.
40	40.0400	Atmospheric Sciences and Meteorology.
40	40.0401	Atmospheric Sciences and Meteorology, General.
40	40.0402	Atmospheric Chemistry and Climatology.
40	40.0403	Atmospheric Physics and Dynamics.
40	40.0404	Meteorology.
40	40.0499	Atmospheric Sciences and Meteorology, Other.
40	40.0500	Chemistry.
40	40.0501	Chemistry, General.
40	40.0502	Analytical Chemistry.
40	40.0503	Inorganic Chemistry.
40	40.0504	Organic Chemistry.
40	40.0506	Physical Chemistry.
40	40.0507	Polymer Chemistry.
40	40.0508	Chemical Physics.
40	40.0509	Environmental Chemistry.
40	40.0510	Forensic Chemistry.
40	40.0511	Theoretical Chemistry.
40	40.0512	Cheminformatics/Chemistry Informatics.
40	40.0599	Chemistry, Other.
40	40.0600	Geological and Earth Sciences/Geosciences.
40	40.0601	Geology/Earth Science, General.
40	40.0602	Geochemistry.
40	40.0603	Geophysics and Seismology.
40	40.0604	Paleontology.
40	40.0605	Hydrology and Water Resources Science.
40	40.0606	Geochemistry and Petrology.
40	40.0607	Oceanography, Chemical and Physical.
40	40.0699	Geological and Earth Sciences/Geosciences, Other.
40	40.0800	Physics.
40	40.0801	Physics, General.

CIP Code Two-Digit Series	2020 CIP Code	CIP Code Title
40	40.0802	Atomic/Molecular Physics.
40	40.0804	Elementary Particle Physics.
40	40.0805	Plasma and High-Temperature Physics.
40	40.0806	Nuclear Physics.
40	40.0807	Optics/Optical Sciences.
40	40.0808	Condensed Matter and Materials Physics.
40	40.0809	Acoustics.
40	40.0810	Theoretical and Mathematical Physics.
40	40.0899	Physics, Other.
40	40.1000	Materials Sciences.
40	40.1001	Materials Science.
40	40.1002	Materials Chemistry.
40	40.1099	Materials Sciences, Other.
40	40.1100	Physics and Astronomy.
40	40.1101	Physics and Astronomy.
40	40.9900	Physical Sciences, Other.
40	40.9999	Physical Sciences, Other.
41	41.0000	Science Technologies/Technicians, General.
41	41.0101	Biology/Biotechnology Technology/Technician.
41	41.0204	Industrial Radiologic Technology/Technician.
41	41.0205	Nuclear/Nuclear Power Technology/Technician.
41	41.0299	Nuclear and Industrial Radiologic Technologies/Technicians, Other.
41	41.0301	Chemical Technology/Technician.
41	41.0303	Chemical Process Technology.
41	41.0399	Physical Science Technologies/Technicians, Other.
41	41.9999	Science Technologies/Technicians, Other.
42	42.2701	Cognitive Psychology and Psycholinguistics.
42	42.2702	Comparative Psychology.
42	42.2703	Developmental and Child Psychology.
42	42.2704	Experimental Psychology.
42	42.2705	Personality Psychology.
42	42.2706	Behavioral Neuroscience.
42	42.2707	Social Psychology.
42	42.2708	Psychometrics and Quantitative Psychology.
42	42.2709	Psychopharmacology.
42	42.2710	Developmental and Adolescent Psychology.
42	42.2799	Research and Experimental Psychology, Other.

CIP Code Two-Digit Series	2020 CIP Code	CIP Code Title
42	42.2804	Industrial and Organizational Psychology.
43	43.0403	Cyber/Computer Forensics and Counterterrorism.
43	43.0406	Forensic Science and Technology.
43	43.0407	Geospatial Intelligence.
45	45.0102	Social Sciences, Research Methodology and Quantitative Methods.
45	45.0301	Archeology.
45	45.0501	Demography and Population Studies.
45	45.0603	Econometrics and Quantitative Economics.
45	45.0702	Geographic Information Science and Cartography.
49	49.0101	Aeronautics/Aviation/Aerospace Science and Technology, General.
51	51.1002	Cytotechnology/Cytotechnologist.
51	51.1005	Clinical Laboratory Science/Medical Technology/Technologist.
51	51.1401	Medical Science/Scientist.
51	51.2003	Pharmaceutics and Drug Design.
51	51.2004	Medicinal and Pharmaceutical Chemistry.
51	51.2005	Natural Products Chemistry and Pharmacognosy.
51	51.2006	Clinical and Industrial Drug Development.
51	51.2007	Pharmacoeconomics/Pharmaceutical Economics.
51	51.2009	Industrial and Physical Pharmacy and Cosmetic Sciences.
51	51.2010	Pharmaceutical Sciences.
51	51.2202	Environmental Health.
51	51.2205	Health/Medical Physics.
51	51.2706	Medical Informatics.
52	52.1301	Management Science.
52	52.1302	Business Statistics.
52	52.1304	Actuarial Science.
52	52.1399	Management Sciences and Quantitative Methods, Other.

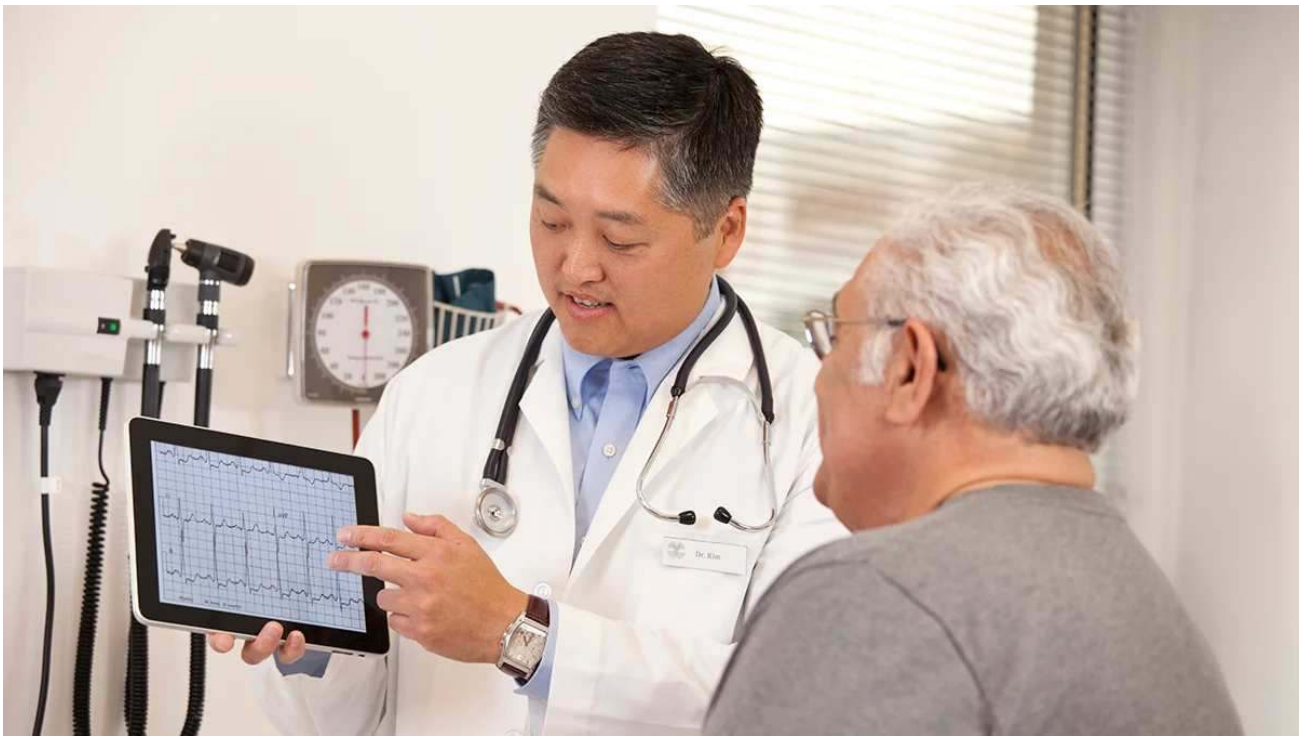
About Heart Disease

cdc.gov/heart-disease/about/index.html

CDC 15 de maio de 2024

Key points

- The term "heart disease" refers to several types of heart conditions.
- Know your risk for heart disease so you can prevent it.
- High blood pressure, high blood cholesterol, and smoking are key risk factors.
- 1 out of every 5 deaths in the United States is due to heart disease.



What is heart disease?

The term "heart disease" refers to several types of heart conditions. The most common type of heart disease in the United States is coronary artery disease (CAD). CAD affects the blood flow to the heart. Decreased blood flow can cause a heart attack.

Symptoms

Sometimes heart disease may be "silent" and not diagnosed until a person experiences signs or symptoms of a heart attack, heart failure, or an arrhythmia. When these events happen, symptoms may include:1

- Heart attack: Chest pain or discomfort, upper back or neck pain, heartburn, nausea or vomiting, extreme fatigue, dizziness, and shortness of breath.
- Arrhythmia: Fluttering feelings in the chest (palpitations).
- Heart failure: Shortness of breath, fatigue, or swelling of the feet, ankles, legs, abdomen, or neck veins.

Risk factors

High blood pressure, high blood cholesterol, and smoking are key risk factors for heart disease. About half of people in the United States (47%) have at least one of these three risk factors.2 Several other medical conditions and lifestyle choices can also put people at a higher risk for heart disease, including

Learn how heart disease and mental health disorders are related.

Learn the Facts About Heart Disease

1 out of every 5 (22%) deaths in the United States is **due to heart disease.**
Learn more

Treatment and recovery

What is cardiac rehabilitation?

Cardiac rehabilitation is an important program for anyone recovering from a heart attack. This can also include heart failure, or some types of heart surgery. Cardiac rehabilitation is a supervised program that includes

- Physical activity.
- Education about healthy eating.
- Taking medicine as prescribed.
- Ways to help you quit smoking.
- Counseling to find ways to relieve stress and improve mental health.

A team of people may help you through cardiac rehabilitation. This may include

- Your health care team.
- Exercise and nutrition specialists.
- Physical therapists.
- Counselors or mental health professionals.

Resources

National Heart, Lung, and Blood Institute

Cardiac Arrest

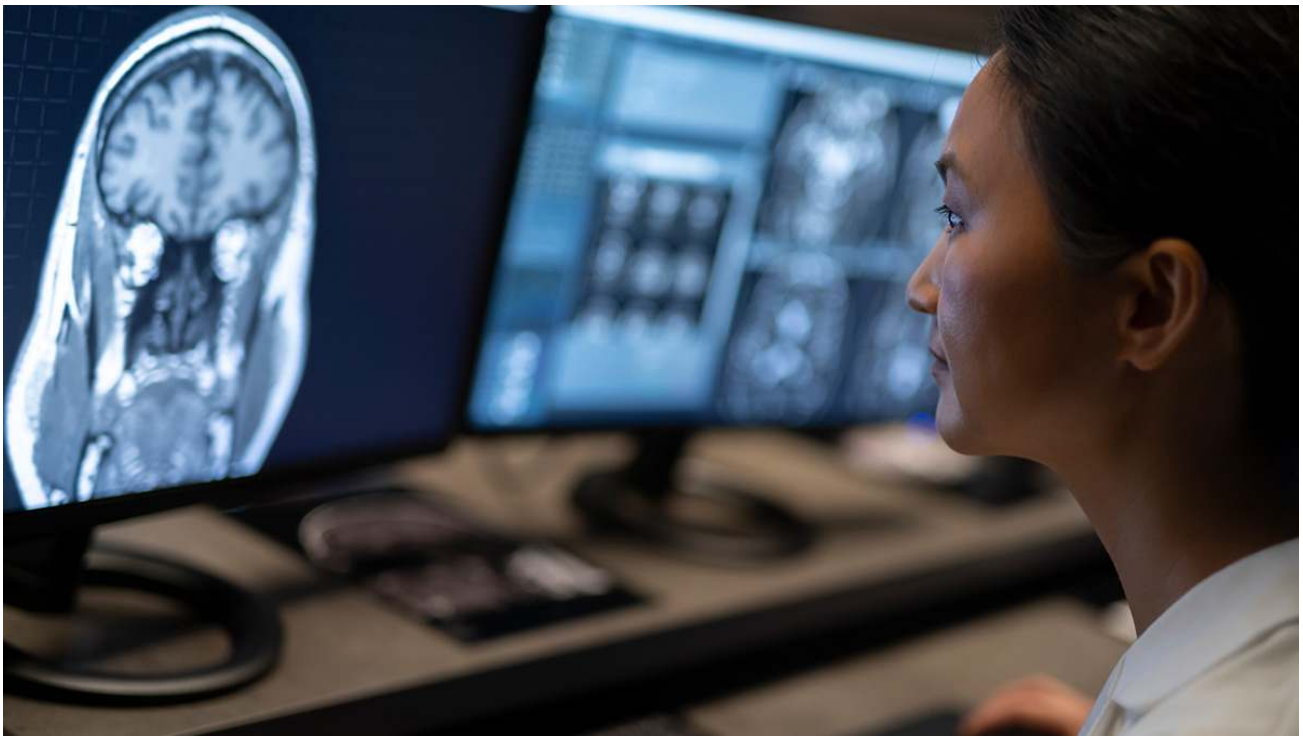
Stroke Facts

cdc.gov/stroke/data-research/facts-stats/index.html

CDC 24 de outubro de 2024

What to know

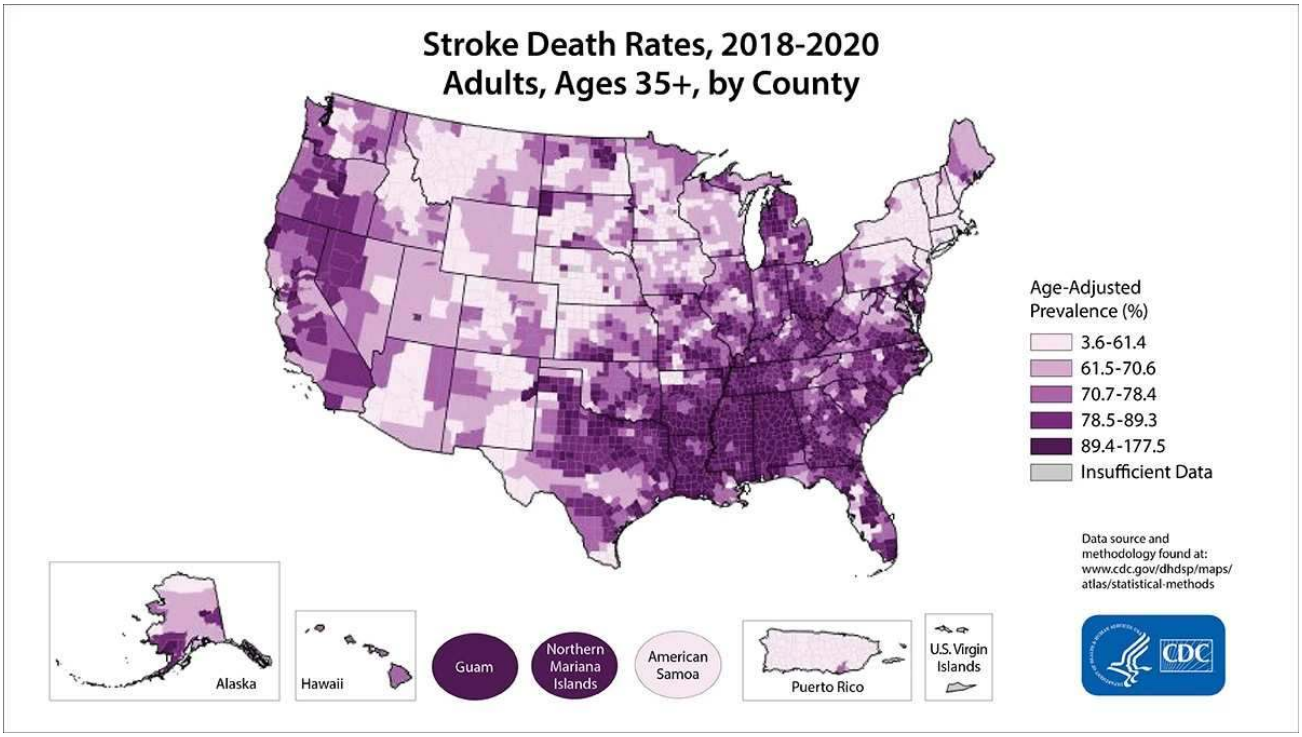
- Stroke risk increases with age, but strokes can—and do—occur at any age.
- Early action is important for stroke.
- Stroke statistics vary by race and ethnicity.



Fast facts

- In the United States in 2022, **1 in 6 deaths** (17.5%) from cardiovascular disease was due to stroke.1
- The death rate for stroke decreased from 39.5 per 100,000 in 2022 to 39.0 per 100,000 in 2023.1
- Every 40 seconds, someone in the United States has a stroke.2 Every 3 minutes and 14 seconds, someone dies of stroke in this country.1
- Every year, more than **795,000 people** in the United States have a stroke.2
- About 610,000 of these are first or new strokes.2
- About 185,000 strokes—**nearly 1 in 4**—are in people who have had a previous stroke.2

- About **87%** of all strokes are ischemic strokes, in which blood flow to the brain is blocked.2
- Stroke-related costs in the United States came to nearly **$56.2 billion** between 2019 and 2020. Costs include the cost of health care services, medicines to treat stroke, and missed days of work.3
- Stroke is a leading cause of serious long-term disability.2
- Stroke reduces mobility in more than half of stroke survivors age 65 and older.2



Stroke Death Rates for 2018 through 2020 for Adults Aged 35 Years and Older by County.

Stroke statistics by race and ethnicity

- Stroke is a leading cause of death for Americans.
- The risk of having a stroke varies with race and ethnicity.
- Risk of having a first stroke is **nearly twice** as high for non-Hispanic Black adults as for White adults.2
- Non-Hispanic Black adults and Pacific Islander adults have the highest rates of death from stroke.1

Stroke risk varies by age

- Stroke risk increases with age, but strokes can—and do—occur at any age.
- In 2014, **38%** of people hospitalized for stroke were **less than 65 years old.**4

Early action is important for stroke

Know the warning signs and symptoms of stroke so that you can act fast if you or someone you know might be having a stroke. The chances of survival are greater when emergency treatment begins quickly.

- In one survey, 93% of respondents recognized sudden numbness on one side as a symptom of stroke.
- Only **38%** were aware of all major symptoms and knew to call 9-1-1 when someone was having a stroke.5
- Patients who arrive at the emergency room within 3 hours of their first symptoms often have less disability 3 months after a stroke than those who receive delayed care.5

Populations

Americans at risk for stroke

High blood pressure, high cholesterol, smoking, obesity, and diabetes are leading causes of stroke. One in three US adults has at least one of these conditions or risk factors.2

Learn how to take steps to prevent stroke.

CDC and its partners are leading national initiatives and programs to reduce rates of death and disability caused by stroke and to help people live longer, healthier lives.

CDC's Division for Heart Disease and Stroke Prevention (DHDSP) provides resources to all 50 states to address heart disease and stroke, as well as helping lead or support the following:

- The WISEWOMAN program screens women aged 35 to 64 who with low incomes and little or no insurance for chronic disease risk factors and refers them to lifestyle programs in an effort to prevent heart disease and strokes.
- The Paul Coverdell National Acute Stroke Program funds states to measure, track, and improve the quality of care for stroke patients. The program works to reduce death and disability from stroke.
- The Million Hearts® initiative, which is co-led by CDC and the Centers for Medicare & Medicaid Services, works with other federal agencies and private-sector partners to raise awareness about heart disease and stroke and prevent heart attacks and strokes.

Resources

CDC

Other organizations

- National Institute of Neurological Disorders and Stroke (NINDS): Stroke Information Page
- NINDS Know Stroke Campaign
- National Institutes of Health: Mind Your Risks®
- MedlinePlus: Stroke
- Brain Attack Coalition

About

National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP)

cdc.gov/nccdphp/divisions-offices/about-the-division-for-heart-disease-and-stroke-prevention.html

CDC 10 de dezembro de 2025

About the Division for Heart Disease and Stroke Prevention

At a glance

CDC's Division for Heart Disease and Stroke Prevention (DHDSP) supports programs that help millions of Americans control their high blood pressure and reduce other risk factors for heart disease and stroke, the first and fifth leading causes of death in the United States.



What we do

Heart disease and stroke are responsible for more than 1 in 4 deaths in the United States each year. In addition, 120 million people have high blood pressure, a major risk factor for heart disease and stroke and an increasingly common cause of pregnancy complications. Cardiovascular disease costs the health care system $233.3 billion every year and leads to $184.6 billion in lost productivity.

In addition to high blood pressure, the leading preventable risk factors for heart disease and stroke are high LDL (bad) cholesterol, smoking, poor nutrition, physical inactivity, type 2 diabetes, and obesity.

DHDSP works to improve prevention and control of high blood pressure and high cholesterol, especially for groups with higher rates of these conditions.

DHDSP's newest area of focus is improving women's cardiovascular health by raising awareness of heart disease as women's number one health threat and improving control of high blood pressure, including during and following pregnancy.

Priorities

Fund state, local, and tribal heart disease and stroke programs

In FY 2025, CDC awarded about $116 million to all 50 states, the District of Columbia, 13 tribes, 4 Urban Indian Organizations, 14 tribal organizations, 1 US-Affiliated Pacific Island, 3 large cities or counties, 4 health systems/quality improvement systems, and 4 universities to:

- Increase the use of electronic health records and other technology to identify people who have heart disease and stroke risk factors and make sure they get the right treatment.
- Increase the use of team-based care, in which doctors and nurses work with pharmacists, community health workers, and others outside of medical settings to manage a patient's risk factors.
- Increase self-measurement of blood pressure for people with high blood pressure.
- Refer people to effective lifestyle programs that can help them be physically active and eat nutritious foods.

Reduce disability and death from stroke and prevent recurrence

CDC provides funding and guidance to 12 recipients (11 states and 1 health system) to improve outcomes for people with and at risk for stroke through the Paul Coverdell National Acute Stroke Program. This information is used to identify gaps in care and generate solutions to improve outcomes.

CDC then works with funded entities to improve care at every stage—from the first symptoms through ambulance transport, hospitalization, post-stroke

care, and discharge to home—and to increase awareness of the signs and symptoms of stroke.

Screen women for heart disease and stroke and refer those at risk to lifestyle interventions

The WISEWOMAN (Well-Integrated Screening and Evaluation for WOMen Across the Nation) program works to reduce heart disease and stroke risk factors for women aged 35 to 64 years with low incomes and little or no health insurance. The program aims to help women understand and reduce their risk of cardiovascular disease and benefit from early detection and treatment.

WISEWOMAN consists of 35 recipients in 32 states, 2 tribal organizations, and 1 US-Affiliated Pacific Island that offer preventive health services to women who participate in the National Breast and Cervical Cancer Early Detection Program.

The program's preventive services include blood pressure, cholesterol, and diabetes screenings. Women are counseled about their risk of heart disease and stroke and referred to lifestyle programs and other community resources that can help them control their blood pressure, eat a healthier diet, be physically active, and quit smoking.

Prevent heart attacks and strokes through Million Hearts

Million Hearts® is a national initiative co-led by CDC and the Centers for Medicare & Medicaid Services, with a goal of preventing 1 million heart attacks and strokes within 5 years. It focuses on a small set of priorities selected for their ability to reduce heart disease, stroke, and related conditions:

- Reduce tobacco use, physical inactivity, and exposure to air pollution.
- Improve the ABCS of cardiovascular health (Aspirin or Anticoagulant use as appropriate, Blood pressure control, Cholesterol management, Smoking cessation).
- Increase the use of cardiac rehabilitation among people who have had a qualifying event like a heart attack or coronary artery bypass surgery.

Million Hearts® 2027 recognizes that heart disease and stroke are more common in populations that have a hard time being healthy because of conditions where they live, learn, work, and play. In response, Million Hearts®

focuses efforts to better serve five high-burden populations, including people who live in rural areas or other "access deserts."

Read more: Million Hearts®.

Our impact

- From 2018 to 2022, health systems partnering with funded states improved blood pressure control rates by 5%, even as the pandemic worsened cardiovascular health nationwide.
- The Coverdell Program has improved stroke care for over 1.1 million patients in over 800 hospitals. Patients receiving timely delivery of the life-saving drug tPA in Coverdell hospitals more than doubled, from 29% in 2008 to 71% in 2021.
- From 2008 to 2022, WISEWOMAN provided 365,440 screenings to 256,442 participants and provided nearly 502,000 healthy behavior support services to reduce the risk of heart disease and stroke.

  For more than 8 years, Million Hearts® and the National Association of Community Health Centers have trained more than 1,400 clinicians and developed more than 50 tools and resources. These efforts have helped more than 700,000 patients lower their risk for heart attack or stroke by improving the control of high blood pressure and high cholesterol.

Leadership Bio



Acting Director's Bio
Letitia Presley-Cantrell, PhD
Dr. Presley-Cantrell is the acting director of the Division for Heart Disease and Stroke Prevention.

About the Division of Nutrition, Physical Activity, and Obesity

Rural Health Transformation (RHT) Program

cms.gov/priorities/rural-health-transformation-rht-program/overview

Transforming Rural Healthcare in America

The Rural Health Transformation (RHT) Program was authorized by the One Big Beautiful Bill Act (Section 71401 of Public Law 119-21) and empowers states to strengthen rural communities across America by improving healthcare access, quality, and outcomes by transforming the healthcare delivery ecosystem. Through innovative system-wide change, the RHT Program invests in the rural healthcare delivery ecosystem for future generations.

Additional information on how to apply for RHT Program funding will be released via a Notice of Funding Opportunity (NOFO), and funding will be distributed in the form of a cooperative agreement.

Strategic Goals

The RHT Program seeks to further the following Strategic Goals:

Make rural America healthy again

Support rural health innovations and new access points to promote preventative health and address root causes of diseases. Projects will use evidence-based, outcomes-driven interventions to improve disease prevention, chronic disease management, behavioral health, and prenatal care.

Sustainable access

Help rural providers become long-term access points for care by improving efficiency and sustainability. With RHT Program support, rural facilities work together—or with high-quality regional systems—to share or coordinate operations, technology, primary and specialty care, and emergency services.

Workforce development

Attract and retain a high-skilled health care workforce by strengthening recruitment and retention of healthcare providers in rural communities. Help rural providers practice at the top of their license and develop a broader set of providers to serve a rural community's needs, such as community health workers, pharmacists, and individuals trained to help patients navigate the healthcare system.

Innovative care

Spark the growth of innovative care models to improve health outcomes, coordinate care, and promote flexible care arrangements. Develop and implement payment mechanisms incentivizing providers or Accountable Care Organizations (ACOs) to reduce health care costs, improve quality of care, and shift care to lower cost settings.

Tech innovation

Foster use of innovative technologies that promote efficient care delivery, data security, and access to digital health tools by rural facilities, providers, and patients. Projects support access to remote care, improve data sharing, strengthen cybersecurity, and invest in emerging technologies.

Program Structure

RHT Program funding is $50 billion to be allocated to approved States over five fiscal years, with $10 billion of funding available each fiscal year, beginning in fiscal year 2026 and ending in fiscal year 2030.

- 50% to be distributed equally amongst all approved States
- 50% will be allocated by CMS based on a variety of factors including rural population, the proportion of rural health facilities in the State, the situation of certain hospitals in the State, and other factors to be specified by CMS in the NOFO

Uses of Funds

States must use RHT Program funds for three or more of the approved uses of funds:

- Promoting evidence-based, measurable interventions to improve prevention and chronic disease management.
- Providing payments to health care providers for the provision of health care items or services, as specified by the Administrator.
- Promoting consumer-facing, technology-driven solutions for the prevention and management of chronic diseases.
- Providing training and technical assistance for the development and adoption of technology-enabled solutions that improve care delivery in rural hospitals, including remote monitoring, robotics, artificial intelligence, and other advanced technologies.
- Recruiting and retaining clinical workforce talent to rural areas, with commitments to serve rural communities for a minimum of 5 years.
- Providing technical assistance, software, and hardware for significant information technology advances designed to improve efficiency, enhance cybersecurity capability development, and improve patient health outcomes.

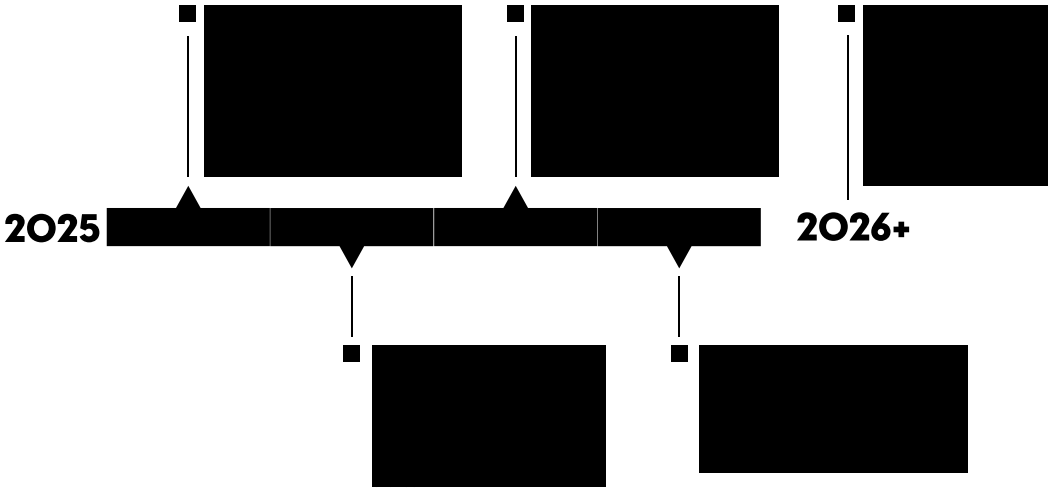
- Assisting rural communities to right size their health care delivery systems by identifying needed preventative, ambulatory, pre-hospital, emergency, acute inpatient care, outpatient care, and post-acute care service lines.
- Supporting access to opioid use disorder treatment services (as defined in section 1861(jjj)(1)), other substance use disorder treatment services, and mental health services.
- Developing projects that support innovative models of care that include value-based care arrangements and alternative payment models, as appropriate.
- Additional uses designed to promote sustainable access to high quality rural health care services, as determined by the Administrator.

Eligibility

In accordance with the authorizing statute, only the 50 U.S. states are eligible to receive an RHT Program award; the District of Columbia and U.S. Territories are not eligible.

How to Apply for RHT Program Funding

- Application instructions to apply for RHT Program funding will be included in the NOFO and released on grants.gov by mid-September
- CMS will engage with States in the open application period to answer questions
- Application submissions will close in early November
- Awards will be decided by December 31, 2025



RHT Program Applicants Webinars

September 19, 2025 webinar

- Recording
- Slides
- Transcript

Stay Connected

For more information on the Rural Health Transformation Program, please email us at MAHARural@cms.hhs.gov or sign up to get program updates.

Sonography Vascular Peripheral Arterial Assessment, Protocols, and Interpretation - StatPearls

ncbi.nlm.nih.gov/books/NBK570577

Karim Nasra, Matthew Osher

NCBI Bookshelf. A service of the National Library of Medicine, National Institutes of Health.

StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2026 Jan-.

Continuing Education Activity

Peripheral arterial disease is a prevalent condition that significantly affects patient morbidity, mortality, and quality of life. Sonographic evaluation, specifically duplex ultrasound, serves as a reliable and non-invasive diagnostic tool for assessing peripheral arterial circulation. This imaging modality allows for detailed visualization of blood flow patterns, vessel structure, and the presence or extent of arterial occlusion or stenosis. Duplex ultrasound plays a key role not only in initial diagnosis but also in monitoring disease progression, evaluating treatment effectiveness, and informing both surgical and non-surgical interventions. A standardized protocol ensures consistency, accuracy, and comprehensive assessment across clinical settings.

Through this course, participants gain essential knowledge in performing and interpreting duplex ultrasound examinations of the peripheral arterial system. The curriculum emphasizes technical proficiency, image optimization, and interpretation of hemodynamic data. It also reinforces the value of interprofessional collaboration among sonographers, vascular surgeons, radiologists, primary care providers, and nurses. Working as a cohesive team enables accurate diagnosis, timely referrals, coordinated treatment plans, and improved patient education. This integrated approach ultimately enhances clinical decision-making, promotes individualized care, and leads to better long-term outcomes for patients with PAD.

Objectives:

- Assess the pathophysiology of peripheral arterial disease.

- Identify the various modes of ultrasound and their applications in interrogating the peripheral arterial system.
- Identify the appropriate technique for performing a comprehensive duplex ultrasound examination of the lower extremity peripheral arterial system.
- Describe the typical sonographic imaging findings of peripheral arterial disease, aneurysms, pseudoaneurysms, and arteriovenous fistulae.

Access free multiple choice questions on this topic.

Introduction

The most common disease process affecting the peripheral arterial system is atherosclerosis. Peripheral arterial disease (PAD) is a steno-occlusive process with occasional aneurysmal dilation of the involved vessels that involves over 8.5 million people in the United States.[1] Common symptomatology from compromised peripheral arterial perfusion ranges from intermittent claudication to rest pain. As the disease process progresses, it can lead to ulceration, gangrene, and limb loss. PAD more commonly affects the lower extremities. This topic evaluates lower extremity arterial disease; however, a similar approach can be applied to the upper extremities.

Noninvasive physiological examinations are often the first line of testing, consisting of a physical exam, ankle-brachial index, or segmental limb pressures. Duplex ultrasonography is a complementary modality that can help confirm the diagnosis, evaluate the extent of disease, monitor progression, and identify complications. Performing and interpreting a peripheral arterial ultrasound requires a thorough understanding of the normal anatomy and caliber of arterial vessels, the pathophysiology of arterial disease, and the hemodynamics of both normal and abnormal flow. Moreover, the exam requires a baseline knowledge of various ultrasonographic modalities, as well as appropriate settings and techniques. Both the sonographer and the interpreting physician need to recognize what constitutes an adequate study.

Ultrasound is widely available, exposes the patient to no ionizing radiation, is typically less expensive, and has a smaller footprint than other cross-sectional imaging modalities. Drawbacks include the poor conductivity of sound waves through air and bone, as well as the attenuation of sound waves as they propagate through soft tissues, particularly in patients with larger body habitus. These constraints are most pronounced for the mediastinal and

visceral vasculature. Peripheral assessment, however, has its limitations, notably in patients with extensive edema, wounds, or scarring.

Anatomy and Physiology

The abdominal aorta bifurcates into the common iliac arteries at L4-L5. The common iliac arteries (average diameter 8-10 mm) run anterior to the iliac veins. After the internal iliac artery origin, the common iliac continues as the external iliac artery. The external iliac artery ends at the inferior epigastric artery origin, medially, and the deep iliac circumflex artery origin laterally, becoming the common femoral artery (average diameter 5 to 9 mm). The common femoral artery and vein are contained within the femoral sheath, with the femoral nerve immediately lateral. After a short course, the common femoral artery bifurcates into the superficial femoral and profunda femoris arteries. The profunda femoris artery is posterolateral and takes a deep course. The superficial femoral artery is the predominant arterial supply to the thigh, and it courses through the adductor hiatus, becoming the popliteal artery as it emerges from Hunters canal.

At the proximal calf, the popliteal artery bifurcates into the anterior tibial artery (supplying the lower leg's anterior compartment and terminating as the dorsalis pedis artery) and the tibioperoneal trunk. The short tibioperoneal trunk then bifurcates, giving off the posterior tibial artery (supplying the posterior calf and coursing posterior to the medial malleolus, where it forms the plantar arch of the foot) and the peroneal artery (supplying the lateral calf musculature and coursing posteromedially to the fibula). For a single vessel in continuity, blood flow should be equal between any 2 points. If the cross-sectional area decreases, velocity must increase proportionally to maintain flow. While the vascular system can accommodate a degree of stenosis through variable vascular wall compliance and collateral formation, this principle remains largely intact. It is the basis for ultrasonographic grading of stenosis.[2] When blood is flowing normally through a non-diseased artery, the flow is laminar, and the spectral waveform appears sharp and distinct. Just distal to a stenosis, blood flow becomes nonlaminar and turbulent with erythrocytes moving at different velocities and in multiple directions. The spectral waveform is broadened to encompass the various velocities at 1 point in time.

It is also necessary to understand the basic principles of and the different modes of ultrasound (B-mode, Doppler, color, and power Doppler) used

during arterial evaluation. Ultrasonography interrogates tissues via high-frequency sound waves. The speed of sound through tissues is assumed to be 1540 m/s. The ultrasound probe estimates depth based on the time elapsed between the outgoing pulse and its reflection from the target. Brightness depicted on the grayscale ultrasound depends on the intensity of the reflected wave. B-mode (also known as brightness mode) is also referred to as grayscale ultrasound. It is used for anatomical localization, measuring vessel size, and characterizing atherosclerotic plaque. Both intraluminal abnormalities, such as intimal dissection flaps or thrombi, and extraluminal abnormalities, such as hematomas, can usually be identified. The highest-quality images are obtained by positioning the transducer at a near-perpendicular angle to the vessel of interest.

Doppler ultrasound (also referred to as spectral or pulsed-wave ultrasound) utilizes the Doppler effect to estimate the velocity of flowing blood. A sound wave frequency is shifted when it encounters a moving reflector (erythrocyte), increasing when the reflector moves toward the source and decreasing when it moves away. The change in frequency is maximum when the angle of the ultrasound beam is directed against the axis of blood flow (parallel to it). There is no Doppler effect when the sound wave is precisely perpendicular. A Doppler angle of 30 to 60 degrees is ideal. Errors get amplified the closer the transducer is to 90 degrees. Additionally, at an angle of fewer than 30 degrees, the reflection of sound waves from the vessel is less likely to be recorded. Spectral analysis refers to the graphical display of recorded velocity plotted against the elapsed time.

The term duplex refers to the use of 2 ultrasound modes concurrently, most often B-mode and Doppler. Duplex ultrasound is used to image the direction and characteristics of blood vessels. Central, continuous blood flow is commonly observed in veins, whereas peripheral, pulsatile flow is typically seen in normal arteries. Arterial vascular beds are further classified as low-resistance or high-resistance systems. Low-resistance waveforms exhibit antegrade blood flow during diastole, as the organs they perfuse (such as the kidneys, brain, and testes) require continuous blood flow. These waveforms are classically monophasic, characterized by a slower and gentler systolic upstroke. High-resistance waveforms often have a brief reversal of flow during diastole as the organs they perfuse do not require continuous blood flow (musculature). This results in triphasic waveforms with a brisk systolic

upstroke and a brief period of flow reversal (see **Image.** Normal Triphasic Arterial Waveform).

Color Doppler maps demonstrate flow information over a selected region of interest. Flow towards and away from the transducer is mapped using colors, most commonly red and blue, with differing hues related to the magnitude of the frequency shift (velocity). Color Doppler helps quickly identify and localize vascular structures. Furthermore, it provides an overview of the vessel's parameters and highlights turbulent areas through dramatic color changes. The absence of expected color flow can also signify thromboembolic disease or an intimal dissection flap.

Power duplex uses Doppler shift information to map the amount of moving red blood cells rather than the direction or velocity. Since both high and low velocities, regardless of whether they are moving toward or away from the transducer, are equally registered, power Doppler is much more sensitive to slower flow. In turn, the increased sensitivity causes flash artifacts from tissue vibration/motion to become more apparent.[3] A normal spectral arterial waveform is triphasic, consisting of a sharp systolic upstroke, early diastolic flow reversal, and late diastolic return to antegrade flow. The waveform should be sharply outlined. Biphasic waveforms may be considered normal as long as they maintain a sharp systolic upstroke unless there is an abrupt change from triphasic waveforms.[4][5]

A monophasic waveform exhibits slow, blunted antegrade systolic flow that persists into diastole. Monophasic arterial waveforms are always abnormal and are often observed downstream from stenoses or in collateral vessels that form in response to occlusive disease. At an area of stenosis, maximum peak systolic velocity (PSV) of greater than 200cm/s or PSV ratio at the stenosis compared to a normal segment proximal or distal to the stenosis greater than 2.0 to 2.5 are diagnostic of hemodynamically significant flow reduction (see **Image.** Hemodynamically Significant Stenosis With Turbulent Color Flow and Spectral Broadening).[6] In the setting of complete occlusion, there may be a pre-occlusive thump in the waveform as the occlusion stops forward blood flow, absence of color flow at the occlusion, and distal reconstitution with low-velocity, monophasic waveforms. As the stenosis progresses to more than 50% of the vessel diameter, altered flow dynamics may result in exertional symptoms. For symptoms to occur during rest, approximately 90% stenosis may be needed.[7]

A common sequela of atherosclerotic disease is the formation of aneurysms. Aneurysms are saccular or fusiform areas of focal arterial enlargement greater than 1.5 times the average normal vessel diameter. They arise secondary to an intrinsic abnormality of the arterial walls as well as from trauma, vasculitis, or infection. A true aneurysm involves all 3 layers of the arterial wall: the intima, media, and adventitia. Complications include compression of adjacent structures, rupture, and thromboembolism, which can result in ischemia. The risk of complications depends on the aneurysm size, with most complications occurring at diameters greater than 2 cm. Aneurysms on sonography appear as focal areas of arterial enlargement, often with mural thrombus and turbulent flow. Peripheral thrombus can give the appearance of a normal luminal caliber.

Popliteal artery aneurysms are the most common peripheral aneurysms, accounting for nearly 70%. They are often bilateral and associated with abdominal aortic aneurysms. The second most common peripheral location is the common femoral artery. These should be distinguished from pseudoaneurysms, which are commonly found in the proximal femoral area, primarily resulting from iatrogenic complications related to vascular access. Unlike true aneurysms, a pseudoaneurysm is a disruption in the arterial wall continuity resulting in a contained, pulsatile hematoma. Under ultrasound, pseudoaneurysms appear as defined collections of swirling color flow, often with a communicating neck and "to-and-fro" flow from an adjacent artery.[8] See **Image.** Pseudoaneurysm. Management includes watchful waiting, ultrasound-guided compression, or direct thrombin injection. In some cases, surgical ligation or endovascular stenting can be performed.

In posttraumatic settings, arteriovenous fistulae (AVF) may develop. AVF are direct communications between an artery and a vein, often with high-velocity turbulent flow between the vessels. See **Image.** Arteriovenous Fistula. The proximal arterial waveforms assume a low-resistance morphology, and the distal venous waveforms assume high flow, multiphasic arterialized waveforms. The strong pulsatile flow at the site of AVF causes tissue vibration artifacts, where perivascular tissue motion is misregistered as color flow, alerting the sonographer to the presence of an AVF. These are often treated by excluding the AVF with a covered stent, embolizing (occluding) the outflow or draining vein, or surgical ligation.[9]

Indications

Clinical signs and symptoms of the PAD, such as claudication, rest pain, and skin changes, confirming arterial disease suggested by other modalities, monitoring the progression of the disease, monitoring prior surgical interventions (bypass and stent-grafts), monitoring sites of prior percutaneous intervention, surgical mapping, and trauma.[10]

Equipment

A 3.5-5 MHZ low-frequency transducer is used for the aortoiliac portion, while a 5.0-7.5 or higher MHz linear transducer is preferred for the distal external iliac arteries and downstream vessels. A lower-frequency transducer may be required in patients with a larger body habitus.

Personnel

Ultrasound technicians perform the majority of peripheral ultrasound examinations. Any appropriately trained physician is qualified, and a point-of-care ultrasound provided by competent providers can aid in triaging care.

Technique or Treatment

Grayscale ultrasound enables the visualization of the arterial system's morphology and the characterization of plaque. Plaque may be anechoic and indistinguishable from the vessel lumen. In these cases, color Doppler can help delineate the vessel's true lumen. Color Doppler can also help differentiate between arteries and veins based on the direction of blood flow. It helps quickly delineate turbulent flow areas and stenoses by looking for areas of color aliasing.

The complete peripheral arterial duplex exam begins at the abdominal aorta and follows the arterial system vessels to the ankle. The vessels are evaluated in both long- and short-axis views using B-mode and pulsed Doppler. The exam is performed by placing the patient in the supine position. A low-frequency transducer is used to evaluate the aorta from just below the xiphoid process and from just to the left of the umbilicus. The celiac and superior mesenteric arteries serve as useful landmarks. The common and proximal external iliac arteries are then interrogated with the transducer at the angle of the iliac crest. The internal iliac artery takes off from the common iliac

artery, differentiating it from the external iliac artery. Graded compression can help displace the overlying bowel, improving visualization.

The distal external iliac arteries and remaining vessels are comparatively superficial, and a higher-frequency transducer is preferred. The distal external iliac arteries are identified from the groin and traced down as the common femoral, proximal portions of the profunda femoris, and superficial femoral arteries. At the adductor canal, the superficial femoral artery courses posteriorly; therefore, positioning the patient prone can help assess the distal superficial femoral artery, popliteal artery, and the origin of the anterior tibial artery (the first branch of the popliteal artery). Finally, the tibial arteries are traced upward from the level of the ankle - posterior to the medial malleolus for the posterior tibial artery, posterior to the lateral malleolus for the peroneal, and anterior to the ankle for the anterior tibial artery.

The areas most prone to the development of atherosclerotic disease are those exposed to higher degrees of shear stress. These include the common iliac artery, superficial femoral artery at the adductor canal, central popliteal artery, and the tibioperoneal trunk. Areas of suspicion are interrogated and graded by comparing the pre-stenotic, stenotic, and poststenotic segments. It usually takes at least a 50% decrease in vessel diameter (corresponding to a 75% decrease in cross-sectional area) to become hemodynamically significant. At 51% to 75% luminal narrowing, the PSV of the stenotic segment is often twice that of the regular proximal segment. The poststenotic segment exhibits a degree of turbulence and may display monophasic waveforms. At a stenosis of 76% to 99%, increased pulsatility becomes apparent in the pre-stenotic segment. The stenotic segment's PSV is often greater than 4 times that of the proximal normal segment and demonstrates monophasic waveforms. There is significant turbulence in the poststenotic segment and a tardus parvus waveform (a prolonged systolic upstroke and a decreased systolic amplitude with a rounded peak) distal to the stenosis.[11] [12] See **Image.** Monophasic Tardus and Parvus Waveforms.

Clinical Significance

PAD is a common condition with profound implications that extend beyond limb loss. It is associated with increased cardiovascular risk and decreased quality of life metrics, including depression.[13] Duplex ultrasonography is easily accessible, uses no ionizing radiation, and is typically less expensive than other cross-sectional imaging modalities. When used in conjunction with

other noninvasive physiological tests, ultrasound can effectively and efficiently diagnose and grade disease to help plan management and monitor disease progression or response to therapy.

Enhancing Healthcare Team Outcomes

Diagnosing and treating PAD requires cooperation and communication between healthcare providers. A multidisciplinary team often provides medical and invasive interventional management for the patient. PAD involves interventional radiologists, interventional cardiologists, vascular and plastic surgeons, endocrinologists, and primary care physicians. There are multiple forms of lifestyle, medical, and surgical management available (as well as various guidelines for management). Therefore, the entire healthcare team and the patient must make an informed decision to achieve the best possible patient-centered outcomes.[14]

Review Questions

- Access free multiple choice questions on this topic.
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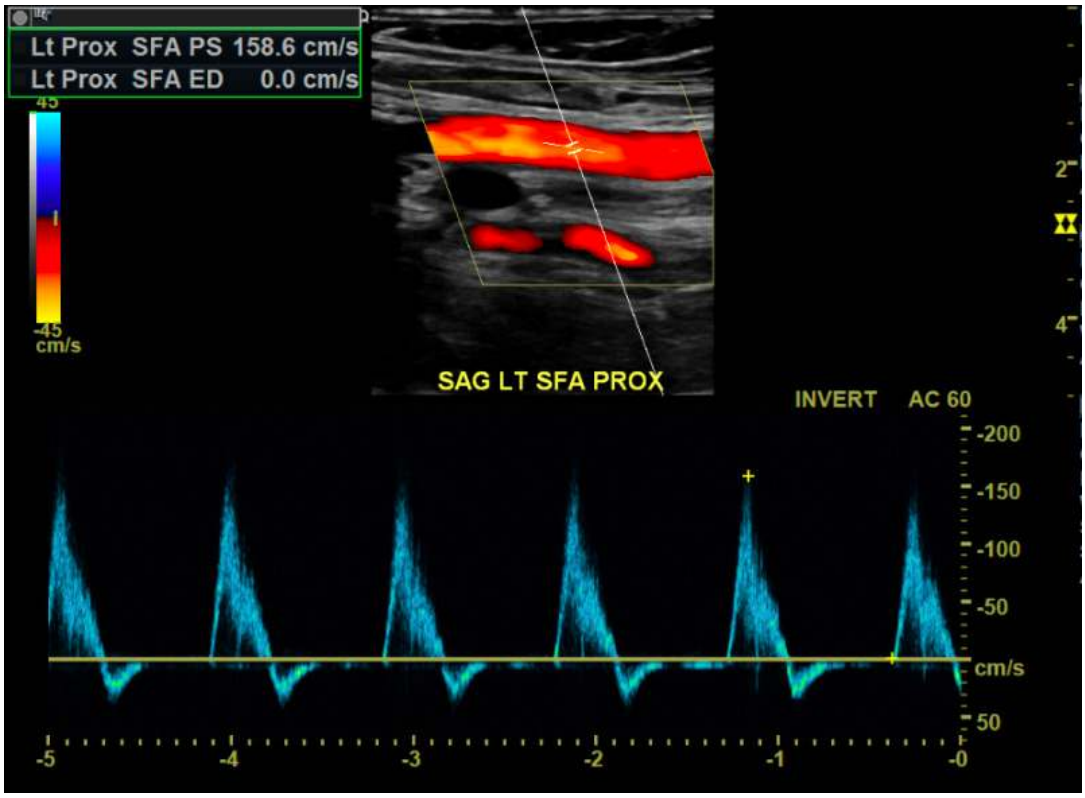
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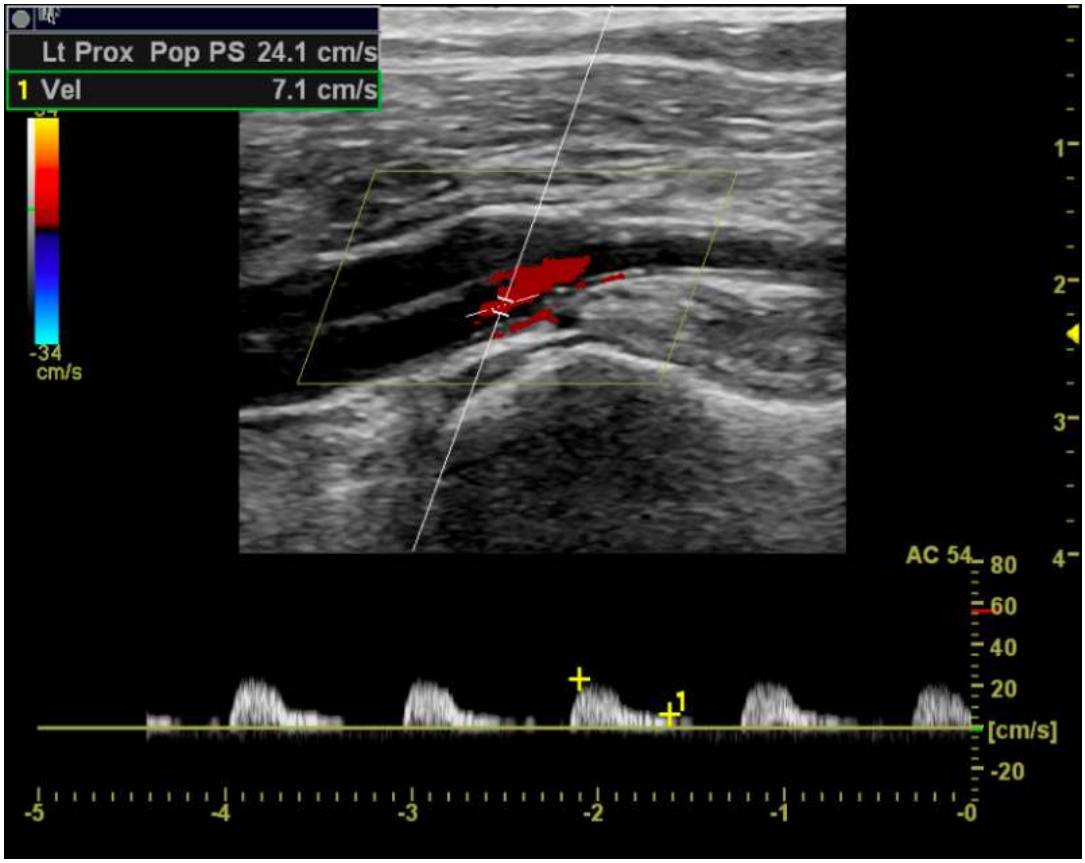
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Disclosure: Matthew Osher declares no relevant financial relationships with ineligible companies.

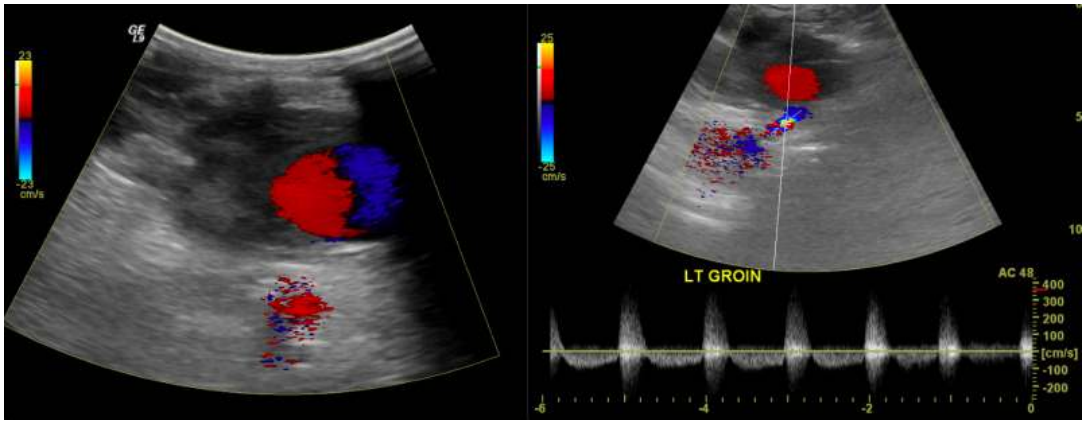
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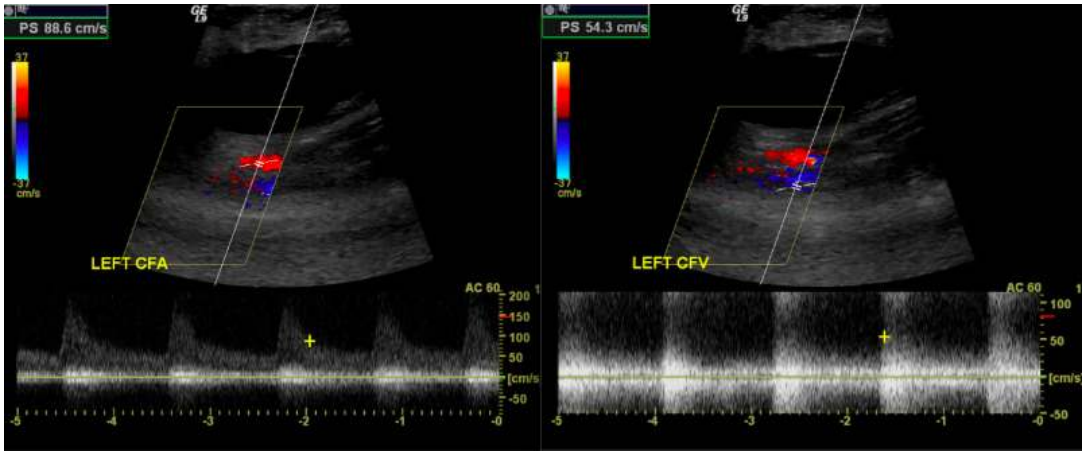
Normal Triphasic Arterial Waveform Contributed by J Selis, MD



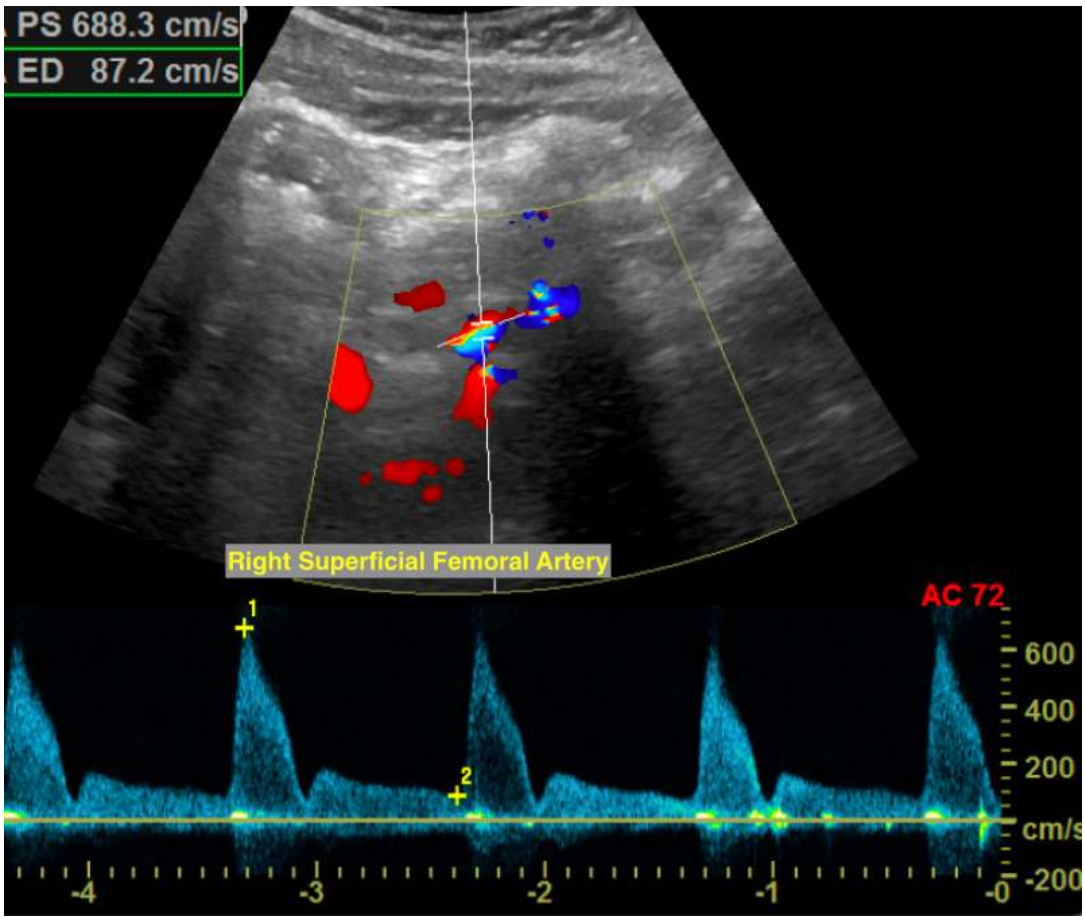
Monophasic Tardus and Parvus Waveforms Contributed by J Selis, MD



Pseudoaneurysm. The image depicts the classic bidirectional "yin-yang" color flow within the pseudoaneurysm and the to-and-fro flow in the neck. Contributed by J Selis, MD



Arteriovenous Fistula. The image shows an arteriovenous fistula. Note the low-resistance arterial waveforms with continuous, forward diastolic flow and the "arterialization" of the venous waveforms. Contributed by J Selis, MD



Hemodynamically Significant Stenosis With Turbulent Color Flow and Spectral Broadening. Contributed by J Selis, MD

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Circulation

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AHA SCIENTIFIC STATEMENT

Advancing Peripheral Artery Disease Quality of Care and Outcomes Through Patient-Reported Health Status Assessment: A Scientific Statement From the American Heart Association

Kim G. Smolderen, PhD, Vice Chair; Olamide Alabi, MD; Tracie C. Collins, MD, MPH, MHCDS; Bernard Dennis, BA; Philip P. Goodney, MD; Carlos Mena-Hurtado, MD; John A. Spertus, MD, MPH, Carole Decker, PhD, RN, Chair; on behalf of the American Heart Association Council on Peripheral Vascular Disease and Council on Lifestyle and Cardiometabolic Health

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ABSTRACT: Peripheral artery disease (PAD) is chronic in nature, and individualized chronic disease management is a central focus of care. To accommodate this reality, tools to measure the impact and quality of the PAD care delivered are necessary. Patient-reported outcomes (PROs) and instruments to measure them, that is, PRO measures, have been well studied in the research and clinical trial context, but a shift toward integrating them into clinical practice has yet to take place. A framework to use PRO measures as indicators of the quality of PAD care delivered, that is, PRO performance measures (PRO-PMs), is provided in this scientific statement. Measurement goals to consider by PAD clinical phenotypes are provided, as well as an overview of potential benefits of adopting PRO-PMs in the clinical practice of PAD care, including reducing unwanted variability and promoting health equity. A central discussion with considerations for risk adjustment of PRO-PMs, individualized PAD care, and the need for patient engagement strategies is offered. Furthermore, necessary conditions in terms of required competencies and training to handle PRO-PM data are discussed because the interpretation and handling of these data come with great responsibility and consequences for designing care that adopts a broader framework of risk that goes beyond the inclusion of biomedical variables. To conclude, health system perspectives and an agenda to reach the next steps in the implementation of PRO-PMs in PAD care are offered.

Key Words: AHA Scientific Statements ■ health equity ■ patient reported outcome measures ■ peripheral arterial disease ■ quality of health care

Peripheral artery disease (PAD) is a spectrum of disorders, ranging from asymptomatic disease to critical limb ischemia (CLI). PAD remains one of the most impactful cardiovascular conditions in terms of both the number of affected individuals and its impact on the individual's survival and health status (their symptoms, function, and quality of life). Accordingly, its impact on society is profound. With >8.5 million affected Americans, the need to improve treatment is imperative and growing.[1] Patients with PAD, even with optimal medical management, are known to have a substantial risk of major adverse cardiovascular and adverse limb events that ranges between 5%/y and 10%/y.[2,3] Among patients with CLI, 1 in 3 experiences an amputation in their remaining lifetime, and 1 in 3 dies within a year of diagnosis.[4] Younger patients <65 years of age now constitute the fastest growing group of patients with CLI.[5] The most prominent risk factors observed for PAD are smoking, age, diabetes, obesity, hypertension, and dyslipidemia, but PAD rarely presents with a single risk factor.[6–8] Most often, risk factors are clustered with several other comorbidities such as renal disease, coronary artery disease, addiction disorders, and depression.[6] Despite guidelines to guide the care of patients with PAD,[6] there is great variability in practice,[9] and new methods are needed to quantify the quality of health care so as to increase accountability for health care professionals to develop holistic strategies for improving the treatment of patients with PAD.

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Concept	Definition	Example
Patient-Reported Outcome (PRO)	Any information on the outcomes of health care obtained directly from patients without modification by clinicians or other health care professions	Symptom: depression Symptom: self-reported walking impairment
Patient-Reported Outcome Measure (PROM)	Any standardized or structured questionnaire regarding the status of a patient's health condition, health behavior, or experience with healthcare that comes directly from the patient (i.e., a PRO). The use of a structured, standardized tool, such as a PROM, will yield quantitative data that enables comparison of patient groups or providers.	Patient Health Questionnaire-9 (PHQ-9), a standardized tool to assess depression Walking Impairment Questionnaire (WIQ), a standardized tool to assess walking impairment
PRO-Based Performance Measure (PRO-PM)	A performance measure that is based on patient-reported outcomes assessed through data often collected through a PROM and then aggregated for an accountable healthcare entity	Percentage of patients with a diagnosis of major depression or dysthymia and initial PHQ-9 score with a follow-up PHQ-9 score <5 at 6 months (NQF #0711) eg, Percentage of patients with WIQ at initial assessment, and percentage of patients with a follow-up WIQ reaching MCID threshold for improvement

Figure 1. Distinctions among PROs, PROMs, and PRO-PMs.
MCID indicates minimal clinically important difference; and NQF, National Quality Forum. Adapted with permission from "Building a Roadmap From Patient-Reported Outcome Measures to Patient-Reported Outcome Performance Measures: Final Technical Guidance Report."[14] Copyright © 2021, The National Quality Forum.

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STATE OF THE FIELD IN HEALTH STATUS ASSESSMENT FOR PERIPHERAL ARTERY DISEASE

To document the impact of PAD on patients' lives as seen from their perspective, multiple patient-reported outcome (PRO) measures (PROMs; eg, the Walking Impairment Questionnaire) have been newly developed and used to capture PROs (eg, self-reported leg pain) through a range of dimensions that are relevant to the patient.[10] The measurement of health status across chronic conditions like PAD has originated largely as science-based or methodological efforts, but this is rapidly changing. Original efforts focused on developing methodological frameworks to quantify the impacts of disease on patients' functioning and to assess treatment effects in comparative effectiveness research. Other US medical specialties have also been on the forefront of another more recent development: using PROMs in routine clinical care as a metric of performance for the quality of care that is being delivered to patients.[11–13] Leveraging PROMs for performance evaluation is referred to as PRO-based performance measures (PRO-PMs; eg, percentage of patients with initial Walking Impairment Questionnaire assessments on presentation). Key organizations that have worked together with multidisciplinary stakeholders to develop quality criteria for PRO-PMs include the National Quality Forum (NQF), the National Committee for Quality Assurance, and several US medical professional societies[14] (Figure 1 provides definitions of PROs, PROMs, and PRO-PMs). Moreover, the American College of Cardiology/American Heart Association Task Force on Performance Measures has recently proposed a PRO-PM as a quality metric, although not a performance measure, for heart failure.[15] These trends portend a future in which health care will increasingly focus on patients' health status, which is particularly relevant in PAD.

This new development of measurement-based care is rapidly evolving, and benchmarks are being defined for several medical specialties, including psychiatry, psychology, and oncology.[16–18] The goal is to implement these metrics across health systems in a scalable fashion. Furthermore, the Centers for Medicare & Medicaid Services will then incorporate performance targets into payment models. Efforts are underway to develop pilot programs and to gain more experience with measurement-based care. Current NQF quality criteria for PRO include PROs of relevance to the patient, scientific acceptability, feasibility, usability, and comparisons made to evaluate competing measures in an effort to harmonize or select the best measure.

This scientific statement aims to provide a multidisciplinary evaluation of critical questions to be considered as one prepares for the design of PRO-PMs for PAD. The scientific statement will serve as a road map for measurement-based care for PAD. Areas to evaluate are (1) which candidate PROMs to use for which PAD clinical phenotypes, (2) when to administer PROMs, (3) targets for performance, (4) considerations for risk adjustment, and (5) practical considerations for implementation.

MAKING THE CASE FOR HEALTH STATUS ASSESSMENT TO ADVANCE THE FIELD OF PAD

Under a contract from the Centers for Medicare & Medicaid Services, the NQF has begun a multistakeholder process to build a framework for creating PRO-PMs. The program, Building a Roadmap From Patient-Reported

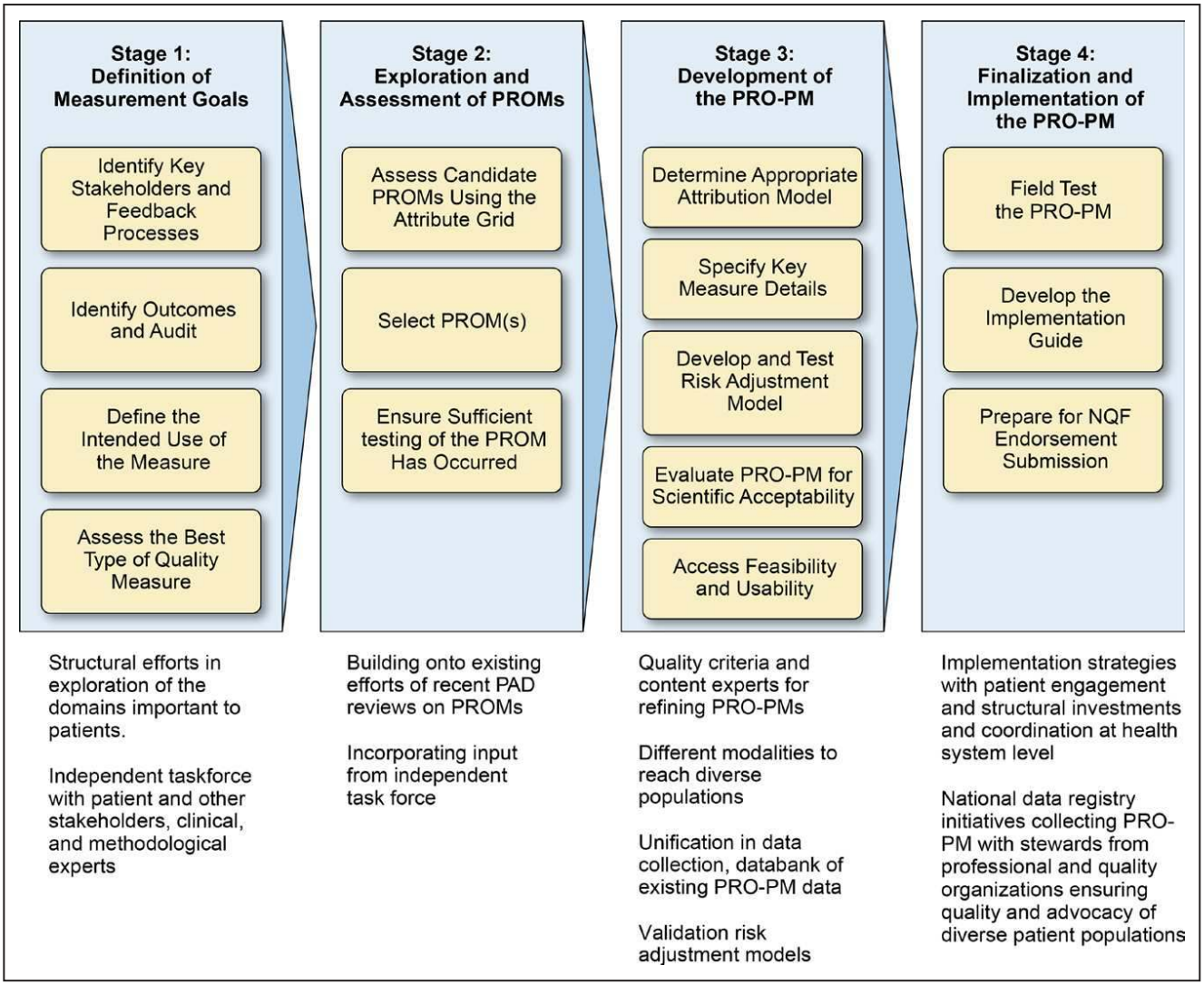


Figure 2. A road map for developing PRO-PMs in PAD.
NQF indicates National Quality Forum; PAD, peripheral artery disease; PROM, patient-reported outcome measure; PRO-PM, patient-reported outcome measure–based performance measure. Adapted with permission from "Building a Roadmap From Patient-Reported Outcome Measures to Patient-Reported Outcome Performance Measures: Final Technical Guidance Report."[14] Copyright © 2021, The National Quality Forum.

Outcome Measures to Patient-Reported Outcome Performance Measures,[14] began with efforts to define good PROs and to select PROs for clinical use and, potentially, performance measure development. In 2020, the NQF launched its latest effort to develop PRO-PMs from suitable PROs. This effort has defined 4 key steps with which to build a PRO-PM: (1) definition of the measurement goals, (2) exploration and assessment of PROMs, (3) development of the PRO-PM, and (4) finalization and implementation. Fifteen steps were identified as part of these 4 stages, and the order of completing these steps was intentionally designed to be flexible. An outline of the process is provided in Figure 2.

This report reflects on these steps by summarizing efforts completed thus far to cover stages 1 and 2, defining the measurement goals and selecting candidate PROMs, and laying out next steps to prepare for the development of the PRO-PM (stage 3) and implementation and testing of the PRO-PM (stage 4). By including patients, health care professionals, and researchers, this report highlights the intended use of a PRO-PM, which is to elevate the experience of patients into a basis for defining the quality of care being provided to patients.

Although the NQF's effort to define the methodology for PRO-PMs is important, it requires clear articulation of the need for such a measure. Patients with symptomatic PAD seek care to reduce their symptoms, to improve their function, and to optimize their quality of life. Although clinician-oriented scales such as the Rutherford stages or ankle-brachial index have traditionally been used to classify symptoms and disease severity, they are coarse and are physicians' interpretations of patients' limitations or indirect assessments of disease burden, rather than coming from patients themselves. In PAD, we know that these clinical metrics do not correlate well with patients' experienced burden.[19,20] Thus, from

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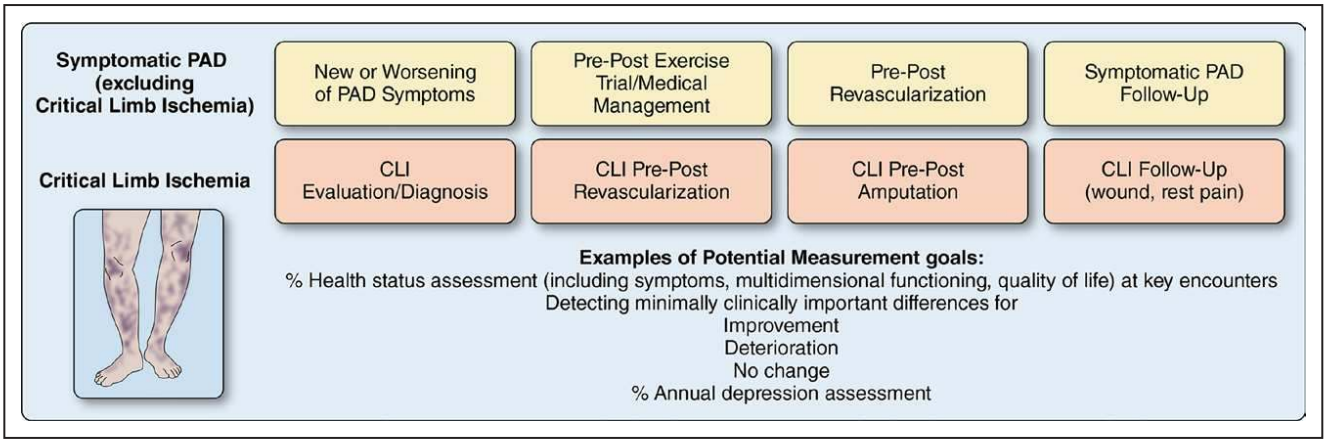


Figure 3. Clinical PAD phenotypes for patient-reported outcome measures as benchmarks for quality of PAD care.
CLI indicates critical limb ischemia; and PAD, peripheral artery disease.

the patients' perspectives, the use of a PRO to rigorously define the symptoms, function, and quality of life is an important means of recognizing the severity of patients' condition and identifying the need for more direct therapy to optimize their health status.

Defining the Measurement Goals

Patients with PAD can present with a spectrum of leg symptoms ranging from asymptomatic disease to exertional leg discomfort to CLI. The negative impact of a diagnosis of PAD on a patient's daily life cannot be overstated. Assessing outcomes in patients with PAD is important to drive health care delivery and to optimize disease management. Outcome measures that include the perspectives of patients can guide not only patients and their families as they make decisions about their health and treatment but also health care professionals and health systems, as well as health policymakers, as to what constitutes quality of PAD care.

Just as one defines clinical metrics for quality for the management of medical conditions, there is a shift toward including more patient-sensitive measures as benchmarks of quality. It is timely to also reflect on the state of the field as to how we might be able to start defining the quality of PAD care using the patient's perspective as part of a portfolio of quality metrics for quality PAD care. As patients with PAD seek care, with acknowledgment of the uniqueness of each patient's trajectories, several broad clinical phenotypes can be discerned that may define critical evaluation points from a treatment goal perspective from the standpoint of the clinician but also the patient (activation, improve lower-extremity functioning, improve symptoms and quality of life, manage pain, salvage the limb, etc). Depending on the disease and treatment process, because patients can cycle in or out of these stages, and depending on the Rutherford stage, these goals may look vastly different. Regardless, they all share in common that patients care about attaining improved health status (their symptoms, functioning, and quality of life) as an important treatment goal in and of itself.[21] Figure 3 summarizes phenotypes in the clinical trajectories of those with Rutherford stages 1 to 3 (mild-severe claudication) and those with Rutherford stages 4 to 6 (CLI, also referred to as chronic limb-threatening ischemia) as critical evaluation points at which significant changes in patients' health status may be discerned, making them important measurement goals to consider for PAD.[22]

As for selecting candidates of PROMs for PAD, 2 recently completed reviews[10,23] have thoroughly looked into the different attributes that need to be evaluated when selecting candidate PROMs for chronic conditions. Instruments that emerged as meeting quality standards for these attributes were the Walking Impairment Questionnaire,[24,25] an instrument focused on the disability related to the lower-extremity functioning as a single-domain measure. PROMs accommodating multidimensional frameworks of functioning, including the Vascular Quality of Life Questionnaire[26] and the Peripheral Artery Questionnaire,[27] were considered as candidates meeting quality standards for validation, availability of data, and readiness of use in the clinical setting.[10,23] Most available PAD health status instruments are multidimensional instruments that capture patients' PAD symptoms; their emotional, physical, and social functioning; and their quality of life but are in various stages of development.[10,23] For patients with CLI, a disease-specific instrument capturing salient aspects of their disease, including pain experience, body image, and dependence on care givers, is currently lacking,[10,23] which defines this as an important need for future development. As a generic tool to assess health status, the short EQ-5D tool offers opportunities to measure functioning across populations, with the downside being that it does not measure aspects specific to the disease and treatment process of PAD.[28]

Complementary measures that are not specific to PAD have frequently been used to capture patients'

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Table. Suggested Pilot Test PRO-PMs for Patients With Symptomatic PAD (Without CLI)

	PRO	PROM	PRO-PM
1.	Self-reported leg pain and functioning (unidimensional health status)	WIQ	Percent of WIQ scores obtained Percent of individuals reaching MCID (0.11 for improvement)[24] after PAD treatment at 6 and 12 mo
2.	PAD-specific health status	PAQ	Percent of PAQ scores obtained Percent of individuals reaching MCID (10-point improvement)[34] for improvement after PAD treatment at 6 mo
		VascuQoL	Percent of VascuQoL scores obtained Percent of individuals reaching MCID (0.87 for improvement)[24,35] after PAD treatment at 6 mo
3.	Generic health status	EQ-5D	Percent of EQ-5D index scores obtained Percent of individuals reaching MCID (0.18 for improvement)[36] after PAD treatment at 6 mo
4.	Depressive symptoms	PHQ-9	Percentage of patients with a positive screen on PHQ-9 score (≥10)[37] who have a follow-up PHQ-9 score <5 at 6 mo

CLI indicates critical limb ischemia; MCID, minimal clinically important difference; PAD, peripheral artery disease; PAQ, Peripheral Artery Questionnaire; PHQ-9, 9-item Patient Health Questionnaire; PRO, patient-reported outcome; PRO-PM, patient-reported outcomes–based performance measure; PROM, patient-reported outcome measure; VascuQoL, Vascular Quality of Life Questionnaire; and WIQ, Walking Impairment Questionnaire.

Denominator: all with symptomatic PAD excluding those unable to complete for cognitive or other reasons.

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broader level of functioning especially resulting from related impactful conditions that frequently co-occur in PAD such as depression, as measured by the Patient Health Questionnaire 9-item,[29] for example. Depressive symptoms are one of the strongest predictors of patients' health status, and depression occurs more frequently in patients with PAD. Thus, in terms of candidate measures, depression screening may be one to consider.[30–33]

On the basis of these prior reviews,[10] this scientific statement also formulated candidate test PRO-PMs that could be trialed in the clinical setting for feasibility and benchmarking, pending final identification of PRO-PMs for the field of PAD. These measures are focused on patients with symptomatic PAD (excluding CLI because no validated CLI-specific measures have been identified)[10,23] and include single-domain disease-specific measures related to walking disability, disease-specific measures, and complementary measures that affect patients' health status (Table). Metrics of feasibility consist of percent completed in one's population, percent of patients for which one obtained follow-up scores, and percent achieving thresholds for improvement. Eligible patients would be all patients in one's PAD practice except for those unable to complete for cognitive or other reasons.

Important Considerations for the Development of the PRO-PMs in PAD

Reproducible and Accountable Framework for Quality of PAD Care

Designating a PRO-PM creates an external mandate for routinely collecting these measures in clinical practice. Once available and once physicians become familiar with their interpretation, they offer a reproducible framework for evaluating the impact of escalating therapies (exercise, smoking cessation, medications, and revascularization) and enabling changes in strategies if the PROs do not improve by the thresholds set for minimally clinically important differences.[10] They also provide feedback to patients to understand the importance and benefits of adhering to recommended therapies and monitoring their progress. These benefits need be considered against the tradeoffs of data collection burden, patient privacy, and variation in measurement skills across treatment settings.

Reduced Variability in Quality of Care and Enhanced Coordination of PAD Care Needs

From a health system–level perspective, the routine use of PRO-PMs for PAD will contribute to the infrastructure of a data-driven population health management approach. Care of patients with PAD can be rendered by numerous specialties such as primary care, cardiology, interventional radiology, surgery, and vascular medicine and, depending on the complex care needs, may extend to nephrologists, podiatrists, physical therapists, behavioral health specialists, and other specialists. Successfully coordinating the complex care needs for patients with PAD requires alignment of multidisciplinary care. A health care system that has insight into the health status of its patients with PAD and the multidimensional factors that play into it can build protocols and disease management programs to better recognize, tailor, and intensify treatments for those who are not doing well. Evidence that health status outcomes are largely explained by and vary by how health systems organize their care comes from coronary disease.[38] For example, in a large prospective registry of patients with heart failure treated at 150 practices, there was marked variability in the control of patients'

health status across sites. With the use of the Kansas City Cardiomyopathy Questionnaire, the proportion of each clinic's patients with a score ≥75 (indicating good to excellent health status) varied from 0% to 80%. The median odds that a statistically identical patient would have good health status was 70% greater at 1 random clinic compared with another.[38] Although the potential to investigate this in PAD exists today, it would require implementing PRO-PMs to start acting on these insights and to translate them to the field of PAD.

Reduced Health Disparities in PAD Care and Promotion of Equity in PAD Care

The systematic quantification of patients' health status also represents an important opportunity to reduce disparities and to achieve better equity in health care. PROs offer an opportunity to reproducibly quantify the health status of different patients, including communities of color, tribal communities, cisgender men and women, LGBTQIA (lesbian, gay, bisexual, transgender/transsexual, queer/questioning, intersex, and allied/asexual/aromantic/agender) individuals, rural residents, and veterans. As we learn from patients, we anticipate that outcomes of interest will extend beyond leg (pain-free and total walking distance, need for invasive intervention) and systemic (ie, myocardial infarction, stroke) concerns to mental and behavioral health, as well as the social determinants of health, including patients' ability to afford evidence-based PAD care.[39] Specific to social determinants of health, the measurement of PROMs enables systems to consider upstream factors that drive access to care and outcomes for patients with PAD (eg, food deserts, housing, and income) so that novel strategies to address these determinants can be considered and that there could be incentives (the desire to demonstrate higher quality) to address blind spots of access to care and the ability to attain improved outcomes, including groups who are most vulnerable.

Creating incentives to address these blind spots and disparities for PAD care is important because patients with PAD come from diverse backgrounds and ages and their health status trajectories may be different,[40] and this diversity may not always be adequately captured in specialty care or in contemporary trials testing PAD treatment regimens.[41] Women can present with more severe leg symptoms but with the same level of disease severity, as captured by the ankle-brachial index, compared with their male counterparts. Black women and men have a higher prevalence of PAD compared with non-Hispanic White men and women. Furthermore, Black individuals with PAD have greater walking impairment (defined as a reduction in walking distance, walking speed, or stair climbing) and more severe disease compared with non-Hispanic White individuals.[42] Black and Latino individuals with PAD are more likely to undergo nontraumatic lower-extremity amputation versus revascularization compared with non-Hispanic White individuals. Members of tribal communities are at greater risk for nontraumatic lower-extremity amputations than non-Hispanic White individuals.[43] Veterans have a tremendous burden of PAD, which increases their risk for adverse events and poor outcomes.[44] However, their health status trajectories have not been captured in dedicated efforts that help increase representation in and design of culturally sensitive metrics to capture the richness of their perspectives. In addition to limb and systemic health for patients with PAD, mental health and health status outcomes warrant further exploration with the development of valid measures. We know from prior work that poor mental health, including increased stress,[45,46] is highly prevalent among patients with PAD, especially on presenting with new or worsening symptoms. Thus, the creation of an ideal PRO-PM measurement set should include not only disease-specific measures of PAD health status but also assessments of mental health such as depressive symptoms, anxiety, and stress.

To move us to the next level in PAD management, we must tailor PROMs to each of these important demographic and social constructs.

ADDITIONAL CONSIDERATIONS FOR THE DEVELOPMENT OF PRO-PMS IN PAD FOR THE ADVANCEMENT OF QUALITY OF PAD CARE AND OUTCOMES

There are several other considerations for the use of PRO-PMs in addition to their potential as a metric for the performance of the clinical care. They offer a more sensitive way of risk-stratifying the patient; they may provide an actionable framework for tailoring the care of the patient to his or her current needs; and they add a dimension that allows further strengthening of patient engagement.

Risk Stratification and Risk Adjustment

PRO-PMs not only can be used as an outcome and benchmark for the quality of care but also are sensitive ways to further risk-stratify PAD populations because PROMs—generic or disease specific—have been shown to predict clinical outcomes of relevance to clinicians and their patients. Both the generic EQ-5D and the disease-specific PAD predict long-term outcomes (including mortality) in PAD, and showing the benefit of recurrent assessment as changes in health status may be more prognostic than patients' initial state of presentation.[47–49] These metrics may further need to be tested as risk stratification tools for other outcomes relevant to PAD care and for defining value-based care such as PAD readmission rates, repeat

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revascularizations, and cardiovascular and limb events. Because there are no widely accepted risk stratification tools for PAD that are used across disciplines treating patients with PAD, undertaking efforts to design and implement PRO-PMs may also offer opportunities for risk-stratifying patient populations.

Because changes in health status in the context of PAD management may be more meaningful to patients and clinicians, both in terms of outcomes and as ways to risk-stratify,[49] it becomes important to understand what the drivers of those changes might be and to construct longitudinal trajectories of patients' health status. Proper risk stratification requires us to develop risk prediction models, including readily available patient characteristics, information on comorbidities, and social determinants of health. This can help us to understand how PRO-PMs need to risk-adjust for severity of case mix when quality metrics are compared across practices through the use of PRO-PMs and to understand which modifiable factors are present in patients that need further evaluation and provide information for further action plans. Naturally, PAD treatments would be expected to have an impact on health status outcomes,[50] and thresholds for meaningful change have been set.[24,35,51] Besides PAD treatment effects, factors that are the most robust predictors of future health status outcomes include depression and other psychosocial factors,[33,52] in addition to common comorbidities such as diabetes or sleep apnea.[53,54] Further expansion and replication of risk adjustment models in PAD across different PAD databases so as to include other considerations of risk stratification—socioeconomic, cognitive, and frailty metrics—are an important future area of development to enable the implementation and interpretation of information derived from PRO-PMs.

PRO-PMs as an Actionable Framework for Tailoring Patient Care

Health status measures such as PRO-PMs offer an actionable framework for tailored and patient-centered care. Using established benchmarks of minimally clinically important differences, one can use the information for treatment selection and escalation. Holistic frameworks of functioning include a focus on multidimensional health status metrics and complementary PRO-PMs such as mental health or cognitive function screening, receipt of specialized wound care, and smoking cessation support. This multidimensional framework can highlight areas that may greatly affect patients' health status and require further targeted evaluation and treatment. These approaches can direct PAD care toward more integrated, multidisciplinary PAD care approaches that can address the complex care needs of patients with PAD and enhance the quality of care.[55]

Collecting PRO-PMs not only should be an exercise to inform patients, clinicians, and health systems about the quality of PAD care and outcomes but also is a powerful and actionable tool to enhance self-management and increased engagement of patients. The information collected can also inform shared decision-making approaches. Sharing this information in a tailored way with patients is another urgent area of action in that few options exist for patients with PAD to access these types of information in a patient-friendly format.[56,57]

It is recognized that the use of health status measures in PAD as PRO-PMs may see an evolution through the development of these as quality measures first. The use of these as quality measures may happen concurrently with the collection of high-quality scientific evidence, that can elevate the practice to standards that are currently being used to establish Class I PAD guidelines,[6] that directly demonstrate that the usage of PRO-PMs results in improved PAD outcomes.

Strengthening Patient Engagement

The patient-clinician relationship and, by extension, the relationship with the care team are unique, with both parties bringing their own frames of reference and different expectations for respective roles and responsibilities. Patients and clinicians bring their own uniqueness and backgrounds as a function of their knowledge, competing priorities, socioeconomic and cultural backgrounds, communication skills, and many other variables. Interactions with clinicians and health care systems also occur in a context of available resources that may support or limit the delivery of the medical treatment (resources, time, material, staff). Despite a daunting list of differences, in a perfect world, all should agree on the objective to resolve, as much as possible, the life-impacting issues of PAD, including reducing pain and increasing mobility, and to provide a common understanding of the recommended treatment plan. From a patient's perspective, the objective is to return to as normal a life as possible. From the health care professional's perspective, the objective is to recommend actions that can reach that goal. A starting point for a common understanding and for enhancing the quality of the communication between patients and their clinicians could also be the use of standardized health status assessments (PROs/PROMs), which enable both the patient and the health care professional to interact on critical topics essential to developing and evaluating their treatment plan.

As we move toward implementation of PRO-PMs, structures to facilitate patient engagement will need to be developed. Better understanding patient perspectives is the first step in shifting the paradigm toward the inclusion of continuous health status monitoring in the management of the patient with PAD. These efforts would need to go beyond the delivery of information in a passive way but find ways to

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actively involve the patient and work with them as a collaborator in the design and implementation of the PRO-PM assessment process.[58] Several tasks lie ahead in successfully undertaking this process of engaging patients: (1) ensuring that patients understand the benefits of use of PROs and PRO-PMs to them, requiring training tools to deliver that information in digestible and culturally sensitive formats, and accommodating patients' (technological) literacy levels; (2) selecting measures that are clearly understood and relevant to the patients; and (3) ensuring ease of use and minimizing the patient burden.

These tasks will have to be continuously evaluated; pilot projects should be designed to test the implementation and interpretation of PRO-PMs in partnership with patients. Structures to support these processes could be adding patient experts, patient scientists, and patient navigators to the team; setting up partnerships with community organizations; or engaging a patient and family advisory board to embark on this process.

OPERATIONALIZING HEALTH STATUS ASSESSMENT FOR THE IMPROVEMENT OF OUTCOMES IN CLINICAL PRACTICE

Patient engagement strategies also extend to the operationalization of the health status assessment. Realizing that not one size fits all, especially in terms of patients' various levels of technology literacy, can help foster independent engagement in electronic health assessments. Many patients will require additional human support, and being prepared to offer alternative modalities to collect the PRO-PM information will better fit a diverse audience of patients' needs.

Operationalizing health status assessments as part of the routine clinical practice requires additional support once data are collected. Setting up database management, ensuring adequate response rates, monitoring missingness data, analyzing and interpreting health status data, and linking with clinical information require data-driven, integrated, multidisciplinary teams that can leverage their expertise in a standardized way specific to the underlying problems that need to be addressed and in a synchronized fashion with ongoing measurement-based initiatives at the health system and national levels. All these levels of expertise and experience may not be present at this time in all institutions. Therefore, quality partnerships and teams in measurement-based care specialized in PAD care need to be formed, as well as certification programs that ensure a minimum level of training requirements and expertise to handle patient-level data derived from PROMs.

Future implementation of results from continuous health status monitoring should include integration with the electronic health record. Ideally, these results are being reported and used in real time supporting the patient with PAD and their care team as part of the disease management process by the multidisciplinary team of health care professionals who are caring for patients with PAD. This can assist care teams in the future creation of algorithms of care that incorporate health status scores. It will, however, be important to clearly define who will manage the data, who can access these data, and how the data will be used. Along a similar vein, data sharing and ownership for patients are areas that need to be worked out.

Although it is clear that increases in resources beget increased costs upfront, the continuous monitoring of health status in patients with PAD can optimize value. Demonstrating this improvement in value can help engage the health care system in understanding how these upfront resources are justified. Clear delineation, reporting of results, and consensus building at the leadership level within each organization should be prioritized with clear plans for dissemination and coordination across the health care system.

Last, because PAD care is not delivered by a single specialty, national data registry initiatives collecting PRO-PMs will need to be instituted with stewards from professional and quality organizations that can ensure quality and advocacy reflecting this diversity. A special effort needs to be made to represent diverse patient populations, including hard-to-reach populations, regardless of the management strategy that patients are undergoing, and to ensure representation of different PAD care specialties and allied health professionals who take care of patients with PAD.

CURRENT CHALLENGES AND FUTURE DIRECTIONS

PAD has long been underdetected and undertreated, partially because of the lack of awareness and fragmented care.[59,60] Currently, there is an understanding that multidisciplinary teams are the way forward, but many of those approaches are still focused on treating the disease, not the patient with the disease.[55] Meeting the care needs of patients with PAD goes beyond treating the lesion but benefits from a more holistic approach incorporating the broader range of functioning and quality of life affected by PAD. Integrating PRO-PMs would mean an important paradigm shift in the way that quality PAD care is defined, starting from the patient's perspective and not defined by the discipline treating it or by the latest technological advance.

There is a groundswell of enthusiasm to unify and improve PROs for PAD among major societies such as the American Heart Association, the Society for Vascular Surgery, and a number of other organizations.[10,61] These

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groups and the authors of this scientific statement also recognize the challenges that lie ahead. Four main challenges describe the next steps ahead.

1. Developing structural efforts to explore the domains important to patients with PAD is likely to be a key next step in sharpening focus on PROs for patients with PAD. The NQF framework discussed in this scientific statement provides a structure and agenda that the PAD community can follow, with some of the work done by prior groups that needs to be taken to the next level.[10,23] An independent task force with the patient, other stakeholders, and clinical and methodological experts will need to be convened to realize this agenda.
2. Compiling existing evidence and unification of data collection will be a key near-term goal. Evidence for patients with PAD and their perspectives arrives in different shapes, sizes, and labels, depending on its origin. Prior collected PROM evidence, the risk prediction models, and longitudinal outcome data are all collected in fragmented ways. A range of PRO collection tools have increasingly been used in research and clinical care, but generating the true message from a noisy conglomeration of data emanating from different formats and from different smaller studies and trials is a clear challenge that lies ahead.
3. Understanding differences in populations needs to be a priority for PAD PROs. Different speeds of development of PRO-PMs may be likely as it relates to the stage of PAD, with more data and experience available in the realm of mild-severe claudication and glaring gaps in understanding the patient's perspective for patients with CLI, as well as our ability to reach diverse populations with PAD. Reaching these populations requires dedicated funding agendas to build patient and stakeholder capacity and engagement approaches to serve these populations.
4. Stakeholder engagement and pilot testing will help lead us toward better measures. Once a set of core PRO-PMs have been constructed, payers, societies, and stakeholders will need to consider the usability, practicality, and impact on patients and their processes of care, as well as how the measure is recorded and communicated in the electronic health record and in research communications.
5. PRO-PMs will need to be developed in concert with other key clinical PAD performance measures that address evidence-based components of PAD care because, again, no formal metrics or public reporting measures been instituted that affect reimbursement or rankings of quality of PAD care delivered. Related to this last step, PRO-PMs must be held against the same standards of evidence as these other PAD performance measures and Class I PAD recommendations.[6] While the field develops this rigorous evidence, testing health status measures as quality measures and collecting supporting data are necessary.

These are several important considerations to lead to success when embarking on this paradigm shift of integrating PRO-PMs as indicators of quality PAD care. Myriad professional organizations and stakeholders, however, would benefit from the development of a systematic PRO for patients with PAD. Patient-facing organizations, clinical research organizations, federal and foundation-based research entities, patients, clinicians, health care professionals, and industry partners would all have a common mechanism to better understand the effects of PAD on patients and the effects of treatment on patients with PAD.

ARTICLE INFORMATION

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*Modest.

†Significant.

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ESTABLISHING THE PRESIDENT'SMAKE AMERICA HEALTHY AGAIN COMMISSION

whitehouse.gov/presidential-actions/2025/02/establishing-the-presidents-make-america-healthy-again-commission

Allison Schuster February 13, 2025



Presidential Actions

By the authority vested in me as President by the Constitution and the laws of the United States of America, it is hereby ordered:

Section 1. Purpose. American life expectancy significantly lags behind other developed countries, with pre-COVID-19 United States life expectancy averaging 78.8 years and comparable countries averaging 82.6 years. This equates to 1.25 billion fewer life years for the United States population. Six in 10 Americans have at least one chronic disease, and four in 10 have two or more chronic diseases. An estimated one in five United States adults lives with a mental illness.

These realities become even more painful when contrasted with nations around the globe. Across 204 countries and territories, the United States had the highest age-standardized incidence rate of cancer in 2021, nearly double the next-highest rate. Further, from 1990-2021, the United States experienced an 88 percent increase in cancer, the largest percentage increase of any country evaluated. In 2021, asthma was more than twice as common in the United States than most of Europe, Asia, or Africa. Autism spectrum disorders had the highest prevalence in high-income countries,

including the United States, in 2021. Similarly, autoimmune diseases such as inflammatory bowel disease, psoriasis, and multiple sclerosis are more commonly diagnosed in high-income areas such as Europe and North America. Overall, the global comparison data demonstrates that the health of Americans is on an alarming trajectory that requires immediate action.

This concern applies urgently to America's children. In 2022, an estimated 30 million children (40.7 percent) had at least one health condition, such as allergies, asthma, or an autoimmune disease. Autism spectrum disorder now affects 1 in 36 children in the United States — a staggering increase from rates of 1 to 4 out of 10,000 children identified with the condition during the 1980s. Eighteen percent of late adolescents and young adults have fatty liver disease, close to 30 percent of adolescents are prediabetic, and more than 40 percent of adolescents are overweight or obese.

These health burdens have continued to increase alongside the increased prescription of medication. For example, in the case of Attention Deficit Disorder/Attention Deficit Hyperactivity Disorder, over 3.4 million children are now on medication for the disorder — up from 3.2 million children in 2019-2020 — and the number of children being diagnosed with the condition continues to rise.

This poses a dire threat to the American people and our way of life. Seventy-seven percent of young adults do not qualify for the military based in large part on their health scores. Ninety percent of the Nation's $4.5 trillion in annual healthcare expenditures is for people with chronic and mental health conditions. In short, Americans of all ages are becoming sicker, beset by illnesses that our medical system is not addressing effectively. These trends harm us, our economy, and our security.

To fully address the growing health crisis in America, we must re-direct our national focus, in the public and private sectors, toward understanding and drastically lowering chronic disease rates and ending childhood chronic disease. This includes fresh thinking on nutrition, physical activity, healthy lifestyles, over-reliance on medication and treatments, the effects of new technological habits, environmental impacts, and food and drug quality and safety. We must restore the integrity of the scientific process by protecting expert recommendations from inappropriate influence and increasing transparency regarding existing data. We must ensure our healthcare system promotes health rather than just managing disease.

Sec. 2. Policy. It shall be the policy of the Federal Government to aggressively combat the critical health challenges facing our citizens, including the rising rates of mental health disorders, obesity, diabetes, and other chronic diseases. To do so, executive departments and agencies (agencies) that address health or healthcare must focus on reversing chronic disease. Under this policy:

(a) all federally funded health research should empower Americans through transparency and open-source data, and should avoid or eliminate conflicts of interest that skew outcomes and perpetuate distrust;

(b) the National Institutes of Health and other health-related research funded by the Federal Government should prioritize gold-standard research on the root causes of why Americans are getting sick;

(c) agencies shall work with farmers to ensure that United States food is the healthiest, most abundant, and most affordable in the world; and

(d) agencies shall ensure the availability of expanded treatment options and the flexibility for health insurance coverage to provide benefits that support beneficial lifestyle changes and disease prevention.

Sec. 3. Establishment and Composition of the President's Make America Healthy Again Commission. (a) There is hereby established the President's Make America Healthy Again Commission (Commission), chaired by the Secretary of Health and Human Services (Chair), with the Assistant to the President for Domestic Policy serving as Executive Director (Executive Director).

(b) In addition to the Chair and the Executive Director, the Commission shall include the following officials, or their designees:

(i) the Secretary of Agriculture;

(ii) the Secretary of Housing and Urban Development;

(iii) the Secretary of Education;

(iv) the Secretary of Veterans Affairs;

(v) the Administrator of the Environmental Protection Agency;

(vi) the Director of the Office of Management and Budget;

(vii) the Assistant to the President and Deputy Chief of Staff for Policy;

(viii) the Director of the National Economic Council;

(ix) the Chairman of the Council of Economic Advisers;

(x) the Director of the Office of Science and Technology Policy;

(xi) the Commissioner of Food and Drugs;

(xii) the Director for the Centers for Disease Control and Prevention;

(xiii) the Director of the National Institutes of Health; and

(xiv) other members of my Administration invited to participate, at the discretion of the Chair and the Executive Director.

Sec. 4. Fighting Childhood Chronic Disease. The initial mission of the Commission shall be to advise and assist the President on how best to exercise his authority to address the childhood chronic disease crisis. Therefore, the Commission shall:

(a) study the scope of the childhood chronic disease crisis and any potential contributing causes, including the American diet, absorption of toxic material, medical treatments, lifestyle, environmental factors, Government policies, food production techniques, electromagnetic radiation, and corporate influence or cronyism;

(b) advise and assist the President on informing the American people regarding the childhood chronic disease crisis, using transparent and clear facts; and

(c) provide to the President Government-wide recommendations on policy and strategy related to addressing the identified contributing causes of and ending the childhood chronic disease crisis.

Sec. 5. Initial Assessment and Strategy from the Make America Healthy Again Commission. (a) *Make our Children Healthy Again Assessment.* Within 100 days of the date of this order, the Commission shall submit to the President, through the Chair and the Executive Director, the Make Our Children Healthy Again Assessment, which shall:

(i) identify and describe childhood chronic disease in America compared to other countries;

(ii) assess the threat that potential over-utilization of medication, certain food ingredients, certain chemicals, and certain other exposures pose to children with respect to chronic inflammation or other established mechanisms of disease, using rigorous and transparent data, including international comparisons;

(iii) assess the prevalence of and threat posed by the prescription of selective serotonin reuptake inhibitors, antipsychotics, mood stabilizers, stimulants, and weight-loss drugs;

(iv) identify and report on best practices for preventing childhood health issues, including through proper nutrition and the promotion of healthy lifestyles;

(v) evaluate the effectiveness of existing educational programs with regard to nutrition, physical activity, and mental health for children;

(vi) identify and evaluate existing Federal programs and funding intended to prevent and treat childhood health issues for their scope and effectiveness;

(vii) ensure transparency of all current data and unpublished analyses related to the childhood chronic disease crisis, consistent with applicable law;

(viii) evaluate the effectiveness of current Federal Government childhood health data and metrics, including those from the Federal Interagency Forum on Child and Family Statistics and the National Survey of Children's Health;

(ix) restore the integrity of science, including by eliminating undue industry influence, releasing findings and underlying data to the maximum extent permitted under applicable law, and increasing methodological rigor; and

(x) establish a framework for transparency and ethics review in industry-funded projects.

(b) *Make our Children Healthy Again Strategy.* Within 180 days of the date of this order, the Commission shall submit to the President, through the Chair and the Executive Director, a Make Our Children Healthy Again Strategy (Strategy), based on the findings from the Make Our Children Healthy Again Assessment described in subsection (a) of this section. The Strategy shall

address appropriately restructuring the Federal Government's response to the childhood chronic disease crisis, including by ending Federal practices that exacerbate the health crisis or unsuccessfully attempt to address it, and by adding powerful new solutions that will end childhood chronic disease.

(c) The Chair may hold public hearings, meetings, roundtables, and similar events, as appropriate, and may receive expert input from leaders in public health and Government accountability.

Sec. 6. Additional Reports. (a) Following the submission to the President of the Strategy, and any final strategy reports thereafter, the Chair and the Executive Director shall recommend to the President updates to the Commission's mission, including desired reports.

(b) The Commission shall not reconvene, following submission of the Strategy, until an updated mission is submitted to the President through the Executive Director.

Sec. 7. General Provisions. (a) Nothing in this order shall be construed to impair or otherwise affect:

(i) the authority granted by law to an executive department or agency, or the head thereof; or

(ii) the functions of the Director of the Office of Management and Budget relating to budgetary, administrative, or legislative proposals.

(b) This order shall be implemented consistent with applicable law and subject to the availability of appropriations.

(c) This order is not intended to, and does not, create any right or benefit, substantive or procedural, enforceable at law or in equity by any party against the United States, its departments, agencies, or entities, its officers, employees, or agents, or any other person.

THE WHITE HOUSE,

February 13, 2025.

Exhibit C.II - Second Prong: Well Positioned to Advance the Proposed Endeavor

Please refer to all documents under Exhibit B and C.I

VALID THROUGHOUT THE NATIONAL TERRITORY

FEDERAL COUNCIL OF MEDICINE

PHYSICIAN IDENTIFICATION CARD

Identity document pursuant to Law No. 6.206/75.



REGIONAL COUNCIL OF MEDICINE OF THE STATE OF MINAS GERAIS

NAME

NIKOLAS DUARTE CALDEIRA BRANT

CRM No. 54706

REGISTRATION DATE 08/09/2011

COPY 1

DATE OF BIRTH 10/09/1983

Nikolas Duarte Caldeira Brant

HOLDER'S SIGNATURE

DO NOT LAMINATE

FILIATION

ANTONIO AUGUSTO CALDEIRA BRANT FILHO

MARIA ELIZABETH DUARTE CALDEIRA BRANT

PLACE OF BIRTH

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ISSUING DATE 07/28/2011

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POLLING STATION 0034

CPF 01271387654

PLACE AND ISSUING DATE

BELO HORIZONTE-MINAS GERAIS, 08/11/2011

SIGNATURE OF THE PRESIDENT

FEDERAL COUNCIL OF MEDICINE

322816

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: May 25, 2026.

VÁLIDA EM TODO O TERRITÓRIO NACIONAL

CONSELHO FEDERAL DE MEDICINA

CÉDULA DE IDENTIDADE DE MÉDICO

Documento de identidade nos termos da Lei nº 6.206/75



CONSELHO REGIONAL DE MEDICINA DO ESTADO DE MINAS GERAIS

NOME
NIKOLAS DUARTE CALDEIRA BRANT

CRM Nº
54706

DATA DE INSCRIÇÃO
09/08/2011

VIA
1

DATA DE NASCIMENTO
09/10/1983

Nikolas Duarte Caldeira Brant

ASSINATURA DO PORTADOR

FILIAÇÃO
ANTONIO AUGUSTO CALDEIRA BRANT FILHO

MARIA ELIZABETH DUARTE CALDEIRA BRANT

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LOCAL E DATA DE EXPEDIÇÃO
BELO HORIZONTE-MG, 11/08/2011

ASSINATURA DO PRESIDENTE

PROIBIDO PLASTIFICAR

CONSELHO FEDERAL DE MEDICINA

322816

SBACV
Brazilian Society of Angiology and Vascular Surgery

D E C L A R A T I O N

We hereby declare, for all legal purposes, that **Dr. NIKOLAS DUARTE CALDEIRA BRANT** is a **FULL** member of the Brazilian Society of Angiology and Vascular Surgery (SBACV) and is in **GOOD** standing with his 2025 annual membership fee, in accordance with the SBACV Bylaws.

Date of membership with SBACV: 04/25/2017.

This declaration does not constitute proof of a Specialist Certification.

São Paulo, October 8, 2025.

Dr. Armando de Carvalho Lobato
President of SBACV

Dr. Marcone Lima Sobreira
General Secretary of SBACV

Dr. Luis Carlos Uta Nakano
Treasurer General

I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English, as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.

Marina Viana

Date: October 09, 2025.

SBACV
SOCIEDADE BRASILEIRA
DE ANGIOLOGIA E DE CIRURGIA VASCULAR

D E C L A R A Ç Ã O

Declaramos para os fins que se fizerem necessários que o **Dr. NIKOLAS DUARTE CALDEIRA BRANT** é associado da categoria **PLENO** da Sociedade Brasileira de Angiologia e de Cirurgia Vascular e encontra-se **ADIMPLENTE** referente a anuidade **2025,** nos termos do Estatuto Social da SBACV.

Data de associação na SBACV: 25/04/2017.

Esta declaração não confere nenhuma comprovação de Título de Especialista.

São Paulo, 08 de outubro de 2025.

Dr. Armando de Carvalho Lobato
Presidente da SBACV

Dr. Marcone Lima Sobreira
Secretário Geral da SBACV

Dr. Luis Carlos Uta Nakano
Tesoureiro Geral

AMB
Brazilian Medical Association

SBACV

CBR
Brazilian College of Radiology and Diagnostic Imaging

BRAZILIAN MEDICAL ASSOCIATION
BRAZILIAN SOCIETY OF ANGIOLOGY AND VASCULAR SURGERY
BRAZILIAN COLLEGE OF RADIOLOGY AND DIAGNOSTIC IMAGING

hereby confer upon

Dr. Nikolas Duarte Caldeira Brant

holder of the Specialist Certification in Vascular Surgery, the

Certificate of Expertise in the Area of Vascular Ultrasound with Doppler.

São Paulo, December 5, 2020.

Dr. César Eduardo Fernandes
President of AMB

Dr. Antonio José Gonçalves
General Secretary of AMB

Dr. Bruno de Lima Naves
President of SBACV

Dr. Francesco Evangelista Botelho
General Secretary of SBACV

Dr. Valdair Francisco Muglia
President of CBR

Dr. Bernardo Tessarollo
First Secretary of CBR

Registration 200068

Signed by the President and the General Secretary in office on the date of registration.

NOTARY PUBLIC

2nd Notary Office of São Paulo – Anderson Henrique Teixeira Nogueira

Rua Rego Freitas, 133 - República – São Paulo – SP – ZIP Code 01220-010 | (11) 3357-8844 | www.2cartorio.com.br

AA371631

I hereby acknowledge by similarity 2 signatures with NO ECONOMIC VALUE of:
ANTONIO JOSE GONCALVES, CESAR EDUARDO FERNANDES.
São Paulo, 08/05/ 2021. In witness _____ of truth.

Jefferson de Souza – CLERK
Value: R$ 13.50 – Seal No. 105101860

2nd NOTARY OFFICE
Federative Republic of Brazil
District of the Capital – SP

112722
SIGNATURE 2
S21051AA0186027

I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English, as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.

Marina Viana **Date: October 09, 2025.**

AMB
Associação Médica Brasileira

SBACV

CBR
Colégio Brasileiro de Radiologia e Diagnóstico por Imagem

Associação Médica Brasileira
Sociedade Brasileira de Angiologia e de Cirurgia Vascular
Colégio Brasileiro de Radiologia e Diagnóstico por Imagem

conferem ao

Dr. Nikolas Duarte Caldeira Brant

portador do Título de Especialista em Cirurgia Vascular o

Certificado de Atuação na Área de Ecografia Vascular com Doppler

São Paulo, 5 de dezembro de 2020

Dr. César Eduardo Fernandes
Presidente da AMB

Dr. Antonio José Gonçalves
Secretário-Geral da AMB

Dr. Bruno de Lima Naves
Presidente da SBACV

Dr. Francesco Evangelista Botelho
Secretário-Geral da SBACV

Dr. Valdair Francisco Muglia
Presidente do CBR

Dr. Bernardo Tessarollo
1º Secretário do CBR

Registro 200068

Assinaram o Presidente e o Secretário Geral em exercício na data do registro.

2º Tabelião de Notas de São Paulo - Anderson Henrique Teixeira Nogueira AA371631

Rua Rego Freitas, 133 - República - São Paulo - SP - CEP 01220-010 | (11) 3257-6844 | 2tcartorio.com.br

Reconheco por semelhanca 2 Firma(s) SEM VALOR ECONÔMICO de:
ANTONIO JOSE GONCALVES, CESAR EDUARDO FERNANDES
Sao Paulo, 05/08/2021. Em test. _____ da Verdade.

Jefferson de Souza - ESCREVENTE
Valor: R$ 13,50. Selos(s): 1051AA0186027

2º TABELIÃO DE NOTAS

FIRMAS

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PRESENTATION

About SBACV



The Brazilian Society of Angiology and Vascular Surgery (SBACV) is a national, non-profit association whose purpose is to defend the interests of physicians specializing in Angiology and Vascular Surgery, and their respective areas of expertise, as well as to promote professional development, encourage scientific production, and disseminate the specialties and related fields it represents.

SOME OF ITS PURPOSES ARE:

- To provide and intensify the study of angiology, vascular surgery, angioradiology, invasive and non-invasive diagnostic and therapeutic methods, endovascular surgery, and other scientific and professional activities developed within its field of expertise;
- To promote the professional improvement of its members and to encourage their scientific production.

- To defend the professional interests of its members.

Address

Rua Estela, 515, Block E, Suite 21 – Vila Mariana

São Paulo – SP – ZIP Code 04011-904

Phone/Fax

(11) 5084-6493

Email

contato@sbacv.org.br

I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English, as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.

Marina Viana

Date: October 09, 2025.

Apresentação

Sobre a SBACV



A Sociedade Brasileira de Angiologia e de Cirurgia Vascular (SBACV) é uma associação Nacional, sem fins lucrativos, que tem o tem o objetivo de defender os interesses dos médicos das especialidades de Angiologia e de Cirurgia Vascular e das suas respectivas Areas de Atuação, bem como promover o aprimoramento profissional, estimular a produção científica e divulgar as especialidades e as áreas de atuação que representa.

ALGUMAS DE SUAS FINALIDADES SÃO:

- Propiciar e intensificar o estudo da angiologia, da cirurgia vascular, da angiorradiologia, dos métodos diagnósticos e terapêuticos invasivos e não-invasivos da cirurgia endovascular e de outras atividades científicas e profissionais que venham a ser desenvolvidas dentro de seu campo de ação;
- Promover o aprimoramento profissional de seus associados e estimular sua produção científica;

produção científica;

- Defender os interesses profissionais de seus membros.

Endereço

Rua Estela 515, bloco E, conjunto 21, Vila Mariana, São Paulo, SP. CEP: 04011-904

Fone / Fax

(011) 5084 6493

E-mail

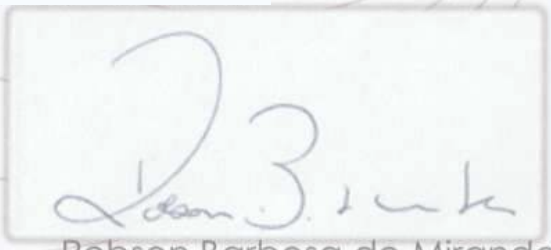
contato@sbacv.org.br

Certificate

I certify that, *Nikolas Duarte*

attended the Practical Course in Vascular Ultrasound with Doppler – 2020 Edition, on December 3 and 4, 2020.

São Bernardo do Campo, December 4, 2020.



Robson Barbosa de Miranda

Course Coordinator

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 26, 2025.

Certificado

Certifico que, *Nikolas Duarte*

frequentou o Curso Prático de Ecografia Vascular com Doppler – Edição 2020, nos dias 03 e 04 de dezembro de 2020.

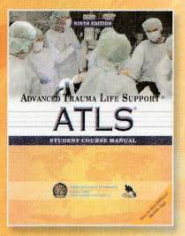
São Bernardo do Campo, 04 de dezembro de 2020.



Robson Barbosa de Miranda

Coordenador do Curso

COMMITTEE ON TRAUMA | AMERICAN COLLEGE OF SURGEONS



NIKOLAS DUARTE CALDEIRA BRANT

Is recognized as having successfully completed the ATLS® Course for Doctors according to the standards Established by the ACS Committee on Trauma.

Karen Brasel, MD, FACS
Chairpoerson,
ATLS Subcommittee

Newton Djin Mori, MD, FACS
Chairperson,
ACS State/Provincial
Committee on Trauma

ATLS Course Director

Date o Issue: 05/22/2015

Date o Expiration: 05/23/2019

AMERICAN COLLEGE OF SURGEONS

Inspiring Quality: Highest Standards, Better Outcomes

ATLS® ADVANCED TRAUMA LIFE SUPPORT

EVVAS
VASCULAR EXCELLENCE

Advanced Ultrasound-Guided
Foam Sclerotherapy Course

www.evascursos.com.br
contato@evascursos.com.br
fb.com/evascursos

CERTIFICATE

WE CERTIFY THAT

Nikolas Duarte Caldeira Brant

Participated in the **Advanced Ultrasound-Guided Foam Sclerotherapy Course** with a workload of 25 hours, from July 5 to 7, 2018, in the city of Londrina-PR.

Dr. Elias Arcenio Neto
Scientific Director of the Advanced
Ultrasound-Guided Foam Sclerotherapy Course

Dr. Rodrigo Kikuchi
General Coordinator of the Advanced
Ultrasound-Guided Foam Sclerotherapy Course

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Date: June 26, 2025.

EVVAS
EXCELÊNCIA VASCULAR

Curso Avançado de
Espuma Ecoguiada

www.evascursos.com.br
contato@evascursos.com.br
fb.com/evascursos

CERTIFICADO

CERTIFICAMOS QUE

Nikolas Duarte Caldeira Brant

Participou do **Curso Avançado de Espuma Ecoguiada** com 25h, no período de 05 a 07 de julho de 2018 na cidade de Londrina-PR.

Dr. Elias Arcenio Neto
Diretor Cientifico do Curso Avançado de
Espuma Ecoguiada

Dr. Rodrigo Kikuchi
Coordenador Geral do Curso Avançado
de Espuma Ecoguiada

CERTIFICATE

We certify that,

NIKOLAS DUARTE CALDEIRA BRANT

Completed the VASCULAR INNOVATE Course, in ONLINE format, with an approximate workload of 10 hours.

01/21/2025

VINN Vascular Innovate Course
Diving into the frontiers of superficial vein treatment

Dr. Rodrigo Kikuchi
Managing Partner of Eccos Courses

eccos
excellence in health education

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 26, 2025.

CERTIFICADO

Certificamos que,

NIKOLAS DUARTE CALDEIRA BRANT

Concluiu o Curso VASCULAR INNOVATE, no formato ON-LINE, com carga horária aproximada de 10 horas.

21/01/2025

Curso VINN
Vascular Innovate
Mergulhando nas fronteiras do tratamento de veias superficiais

Dr. Rodrigo Kikuchi
Sócio diretor do Eccos Cursos

eccos
excelência
em educação na saúde

course of

IMMERSION

IN AESTHETIC PHLEBOLOGY

Nikolas Duarte Caldeira Brant

Participated in the **Course of Immersion in Aesthetic Phlebology.** With a workload of 40 hours from October 27 to 30, 2022, in the city of São Paulo.

Dr. Rodrigo Kikuchi
Managing Partner of Eccos Courses

Dr. Elias Arcenio Neto
Managing Partner of Eccos Courses

eccos
excellence
in health education

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 26, 2025.

curso de
IMERSÃO
EM FLEBOLOGIA ESTÉTICA

Nikolas Duarte Caldeira Brant

Participou do **Curso de Imersão em Flebologia Estética.**
Com 40 horas no período de 27 a 30 de outubro de 2022 na cidade de São Paulo.

Dr. Rodrigo Kikuchi
Sócio diretor do Eccos Cursos

Dr. Elias Arcenio Neto
Sócio diretor do Eccos Cursos

eccos
excelência
em educação na saúde

CERTIFICATE

WE CERTIFY THAT

Nikolas Duarte Caldeira Brant

Participated in the Advanced Transdermal Laser Course with a workload of 25 hours. Theoretical classes were conducted online, and the in-person practical sessions took place on December 8 and 9, 2023, in the city of São Paulo – SP.

www eccoscursos.com.br

Rodrigo Kikuchi
Managing Partner of ECCOS Courses

eccos excellence in health education

ADVANCED COURSE
LASER TRANSDERMAL

Elias Arcenio Neto
Managing Partner of Eccos Courses

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 27, 2025.

CERTIFICADO

CERTIFICAMOS QUE

Nikolas Duarte Caldeira Brant

Participou do Curso Avançado de Laser Transdérmico com 25h.
Aulas teóricas na modalidade online e prática presencial realizada
nos dias 08 e 09 de dezembro de 2023 na cidade de São Paulo – SP.

www.eccoscursos.com.br

Rodrigo Kikuchi
Sócio Diretor do ECCOS Cursos

eccos excelência em educação na saúde

CURSO AVANÇADO DE LASER TRANSDÉRMICO

Elias Arcenio Neto
Sócio Diretor do ECCOS Cursos

IMMERSION COURSE IN
COMPRESSION THERAPY
FOR **LYMPHOVENOUS DISEASES**

EVVAS VASCULAR EXCELLENCE

www.evascursos.com.br
contato@evascursos.com.br
fb.com/evascursos

CERTIFICATE

WE CERTIFY THAT

Nikolas Duarte Caldeira Brant

Participated in the **LIVE Compression Course**: **Immersion Course in Compression Therapy for Lymphovenous Diseases**, with a workload of 20 hours, held from August 6 to 7, 2021, in São Paulo.

Dr. Elias Arcenio Neto
Managing Partner of the
Institute of Vascular Excellence

Dr. Rodrigo Kikuchi
Managing Partner of the
Institute of Vascular Excellence

Dr. Eduardo S. da Matta
Scientific Director of the
LIVE Compression Course.

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 27, 2025.

LIVE COMPRESSION

CURSO DE **IMERSÃO EM TERAPIA COMPRESSIVA NAS DOENÇAS LINFOVENOSAS**

EVVAS EXCELÊNCIA VASCULAR

www.**evascursos**.com.br
contato@**evascursos**.com.br
fb.com/**evascursos**

CERTIFICADO

CERTIFICAMOS QUE

Nikolas Duarte Caldeira Brant

Participou do curso **LiVE Compression: Curso de Imersão em terapia compressiva nas doenças Linfovenosas** com duração de 20h, no período de 06 a 07 de agosto de 2021 em São Paulo.

Dr. Elias Arcenio Neto
Sócio Diretor do Instituto de Excelência Vascular

Dr. Rodrigo Kikuchi
Sócio Diretor do Instituto de Excelência Vascular

Dr. Eduardo S. da Matta
Diretor científico do Curso LiVE Compression.

Certificate

We certify that

Nikolas Ulwick Caldeira Brant

participated in the VII 3D Brain Anatomy Course,
held on May 12 and 13, 2006.

Belo Horizonte, May 13, 2006.

Prof. Sebastião Gusmão

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 27, 2025.

Certificado

Certificamos que

Nikolas Duarte Caldeira Brant

participou do VII Curso de Anatomia do Encéfalo em 3D, realizado em 12 e 13 de maio de 2006.

Belo Horizonte, 13 de maio de 2006.

Prof. Sebastião Gusmão

AMB
Brazilian Medical Association

SBACV

CBR
Brazilian College of Radiology
and Diagnostic Imaging

Brazilian Medical Association
Brazilian Society of Angiology and Vascular Surgery
Brazilian College of Radiology and Diagnostic Imaging

Hereby award



Dr. Nikolas Duarte Caldeira Brant

holder of the Title of Specialist in Vascular Surgery, the

Certificate of Practice in the Area of Vascular Ultrasound with Doppler

São Paulo, December 5, 2020

Dr. César Eduardo Fernandes
President of AMB

Dr. Antonio José Gonçalves
Secretary General of AMB

Dr. Bruno de Lima Naves
President of SBACV

Dr. Francesco Evangelista Botelho
Secretary General of SBACV

Dr. Valdair Francisco Muglia
President of CBR

Dr. Bernardo Tessarollo
1st Secretary of CBR

Registration 200068

Signed by the President and the Acting Secretary General on the date of registration.

2nd NOTARY PUBLIC OFFICE

2nd Notary Public Office of São Paulo – Anderson Henrique Teixeira Nogueira

Rua Rego Freitas, 133 - República - São Paulo - SP - ZIP Code 01220-010 | (11) 3357-8844 2cartorio.com.br

AA371631

I acknowledge by similarity 2 signatures WITH NO ECONOMIC VALUE from:
ANTONIO JOSE GONÇALVES, CESAR EDUARDO FERNANDES
São Paulo, 08/05/2021. In witness ---------- of the truth.

Jefferson de Souza – CLERK
Amount: R$13.50. Seal(s): 1051AA186027

2ND NOTARY PUBLIC OFFICE
Federative Republic of Brazil
SÃO PAULO
JUDICIAL DISTRICT OF THE CAPITAL

SIGNATURE
S21051AA0186027

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Date: June 27, 2025.

AMB
Associação Médica Brasileira

SBACV

CBR
Colégio Brasileiro de Radiologia e Diagnóstico por Imagem

Associação Médica Brasileira
Sociedade Brasileira de Angiologia e de Cirurgia Vascular
Colégio Brasileiro de Radiologia e Diagnóstico por Imagem

conferem ao

Dr. Nikolas Duarte Caldeira Brant

portador do Título de Especialista em Cirurgia Vascular o

Certificado de Atuação na Área de Ecografia Vascular com Doppler

São Paulo, 5 de dezembro de 2020

Dr. César Eduardo Fernandes
Presidente da AMB

Dr. Antonio José Gonçalves
Secretário-Geral da AMB

Dr. Bruno de Lima Naves
Presidente da SBACV

Dr. Francesco Evangelista Botelho
Secretário-Geral da SBACV

Dr. Valdair Francisco Muglia
Presidente do CBR

Dr. Bernardo Tessarollo
1º Secretário do CBR

Registro 200068

Assinaram o Presidente e o Secretário Geral em exercício na data do registro.



CERTIFICATE

Ministry of Education
Federal University of Minas Gerais
Vice President's Office for Extension Affairs
UPDATE

CNA: 18965

We CERTIFY that ***Nikolas Duarte Caldeira Brant***

participated in the ***VII ACADEMIC WEEK IN EMERGENCY MEDICINE*** – ***SAMU 2010*** – ***1st Semester.***

as a ***ORGANIZING COMMITTEE***

Promoted by the Department of Medical Clinic of the School of Medicine – with support from the Extension Center of the School of Medicine, held on **June 21 to 24, 2010**, with a workload of **30 class/hours.**

Belo Horizonte, June 24, 2010.

Prof. Enio Roberto Pietra Pedroso
Event Coordinator

Profa. Maria Isabel Toulson D. Correia
Coordinator of the Extension Center of the School of Medicine/UFMG

Prof. Francisco José Penna
Dean of the School of Medicine/UFMG

Comp.5 SAMU-2010-1st semester

EXTENSION CENTER OF
UFMG SCHOOL OF MEDICINE
(UFMG: Federal University of Minas Gerais)

This certificate is recorded under
No. MED 10-01/06 - 232
in book 16, page 16.
Belo Horizonte, 04/13/2011.

CENEX/MED - UFMG SECRETARIAT

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 30, 2025.

CERTIFICADO

Ministério da Educação
Universidade Federal de Minas Gerais
Pró-Reitoria de Extensão
ATUALIZAÇÃO

CNA: 18965

CERTIFICAMOS que ***Nikolas Duarte Caldeira Brant***
participou da *VII SEMANA ACADÊMICA EM MEDICINA DE URGÊNCIA - SAMU 2010 - 1º semestre.*

na qualidade de ***COMISSÃO ORGANIZADORA***

Promovida pelo Departamento de Clínica Médica da Faculdade de Medicina - APOIO: Centro de Extensão da Faculdade de Medicina, realizada no **período de 21 a 24 de junho de 2010**, com a carga horária total de **30 horas/aula.**

Belo Horizonte, 24 de junho 2010.

Prof. Enio Roberto Pietra Fedroso
Coordenador do Evento

Profa. Maria Isabel Toulson D. Correia
Coordenadora do Centro de Extensão da Faculdade de Medicina/UFMG

Prof. Francisco José Penna
Diretor da Faculdade de Medicina/UFMG

Comp5.SAMU-2010-1º semestre

CENTRO DE EXTENSÃO DA FACULDADE
DE MEDICINA DA UFMG

Acha-se o presente certificado registrado sob o
nº. MED 10-01-5232
no livro 16, folha 16.
Belo Horizonte, 13/04/2011.

SECRETARIA DO CENEX/MED - UFMG

CERTIFICATE

We certify that

Nikolas Duarte Caldeira Brant

Participated in the III International Seminar – Dialogues between Neuroscience and Clinical Practice
III International Symposium of the Minas Gerais Society of Neuropsychology

Belo Horizonte on December 7 and 8, 2007

Workload of 22 hours

Leandro F. Malloy-Diniz
President of the Minas Gerais Society of Neuropsychology

Humberto Corrêa
President of the Minas Gerais Society for the Study and Prevention of Suicide

Wellington B. Leite
President of the Minas Gerais Society of Attention Deficit

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



_____ Date: June 27, 2025.

CERTIFICADO

Certificamos que

Nikolas Duarte Caldeira Brant

Participou do III Simpósio Internacional Diálogos entre a Neurociência e a Clínica
III Simpósio Internacional da Sociedade Mineira de Neuropsicologia

Belo Horizonte 07 e 08 de dezembro de 2007

Carga Horária de 22 horas

Leandro F. Malloy-Diniz
Presidente da Sociedade Mineira de Neuropsicologia

Humberto Corrêa
Presidente da Associação Mineira para Estudo e Prevenção do Suicídio

Wellington B. Leite
Presidente da Associação Mineira do Déficit de Atenção

CERTIFICATE

Ministry of Education
Federal University of Minas Gerais
Vice President's Office for Extension Affairs
UPDATE

We CERTIFY that NIKOLAS DUARTE CALDEIRA BRANT

participated in the ***IV ACADEMIC MENTAL HEALTH JOURNEY***

as a Participant

promoted by the Department of Mental Health of the School of Medicine – with support from the Extension Center of the School of Medicine, held on **November 6, 7, and 8, 2007**, with a workload of **15 hours**.

Belo Horizonte, January 10, 2008.

Profª. Tatiana Tscherbakowski de Guimarães Mourão
Course Coordinator

Prof. Ari de Pinho Tavares
CENEX/MED Coordinator
(CENEX: Extension Center of the School of Medicine)

Prof. Francisco José Penna
Dean of the School of Medicine

Compl/ CIASME-07

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 30, 2025.

CERTIFICADO

Ministério da Educação
Universidade Federal de Minas Gerais
Pró-Reitoria de Extensão
ATUALIZAÇÃO

CERTIFICAMOS que NIKOLAS DUARTE CALDEIRA BRANT

participou da ***IV JORNADA ACADÊMICA DE SAÚDE MENTAL***

na qualidade de Participante

promovida pelo Departamento de Saúde Mental da Faculdade de Medicina - APOIO: Centro de Extensão da Faculdade de Medicina, realizada nos dias **05, 06 e 08 de novembro de 2007**, com a carga horária de **15 horas**.

Belo Horizonte, 10 de janeiro de 2008.

Profª. Tatiana Tscherbakowski de Guimarães Mourão
Coordenadora do Curso

Prof. Ari de Pinho Tavares
Coordenador do CENEX/MED

Prof. Francisco José Penna
Diretor da Faculdade de Medicina

Comp4/ CJASME-07

CERTIFICATE

Ministry of Education
Federal University of Minas Gerais
Vice President's Office for Extension Affairs
UPDATE

WE CERTIFY THAT ***NIKOLAS DUARTE CALDEIRA BRANT***

participated in the ***III ACADEMIC JOURNEY ON APPLIED ANATOMY***

as a **STUDENT**.

Promoted by the Department of Morphology of the Institute of Biological Sciences at UFMG, with support from the Extension Center of the School of Medicine, held on **June 5 to 8, 2006.**

Belo Horizonte, June 12, 2006.

Prof. Humberto José Alves
Event Coordinator

Prof. Ari de Pinho Tavares
CENEX/MED Coordinator
(CENEX: Extension Center of the School of Medicine)

Prof. Francisco José Penna
Dean of the School of Medicine

comp3/JANP 2006/CertificadoParticipante

EXTENSION CENTER OF UFMG SCHOOL OF MEDICINE

This certificate is recorded
under No. MED 06-01/01 - 630
in book 08, page 14
Belo Horizonte, 06/13/2006.

CENEX/MED - UFMG SECRETARIAT

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 30, 2025.

CERTIFICADO

Ministério da Educação
Universidade Federal de Minas Gerais
Pró-Reitoria de Extensão
ATUALIZAÇÃO

CERTIFICAMOS que ***NIKOLAS DUARTE CALDEIRA BRANT***

participou da ***III JORNADA ACADÊMICA DE ANATOMIA APLICADA***

na qualidade de **ALUNO(A)**.

O evento foi promovido pelo Departamento de Morfologia do Instituto de Ciências Biológicas da UFMG, com apoio do Centro de Extensão da Faculdade de Medicina e foi realizado no período de **05 a 08 de junho de 2006.**

Belo Horizonte, 12 de junho de 2006.

Prof. Humberto José Alves
Coordenador do Evento

Prof. Ari de Pinho Tavares
Coordenador do CENEX/MED

Prof. Francisco José Penna
Diretor da Faculdade de Medicina

comp3/JANP 2006/CertificadoParticipante

CENTRO DE EXTENSÃO DA F. M. UFMG
Acha-se o presente certificado registrado
sob o nº MED - 06-01 101-630
no livro 08 folha 14
Belo Horizonte 13 / 06 / 06
SECRETARIA DO CENEX - F. M. UFMG

CERTIFICATE

AMMG
MEDICAL ASSOCIATION OF MINAS GERAIS

I REFRESHER COURSE ON BASIC TOPICS IN GENERAL SURGERY

We certify that Dr. Nikolas Duarte Caldeira Brant,
participated in the I Refresher Course on Basic Topics in General Surgery as a
Medical Student *from March 18 to 20, 2010.*

Belo Horizonte, March 20, 2010.

Dr. Marcelo Gomes Girundi
President of the Minas Gerais Society of General Surgery

Dr.Sizenando Vieira Starling
Master of the Brazilian College of Surgeons
Minas Gerais Chapter

Organized by:

Medical Association of Minas Gerais
Brazilian College of Surgeons
Brazilian Society for Integrated Trauma Care
Brazilian Society of Oncological Surgery
Brazilian Society of Video Surgery
Minas Gerais Society of General Surgery

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 30, 2025.

CERTIFICADO

I JORNADA DE ATUALIZAÇÃO EM TEMAS BÁSICOS DE CIRURGIA GERAL

Certificamos que o (a) Dr. (a) Nikolas Duarte Caldeira Brant ,

participou da I Jornada de Atualização em Temas Básicos de Cirurgia Geral na condição de Acadêmico *no período de 18 a 20 de março de 2010.*

Belo Horizonte, 20 de março de 2010.

Dr. Marcelo Gomes Girundi
Presidente da Sociedade Mineira de Cirurgia Geral

Dr. Sizenando Vieira Starling
Mestre do Colégio Brasileiro de Cirurgiões
Capítulo de Minas Gerais

Realização:

Associação Médica de Minas Gerais
Colégio Brasileiro de Cirurgiões
Sociedade Brasileira de Atendimento Integrado ao Traumatizado
Sociedade Brasileira de Cirurgia Oncológica
Sociedade Brasileira de Videocirurgia
Sociedade Mineira de Cirurgia Geral

CERTIFICATE

Ministry of Education
Federal University of Minas Gerais
Vice President's Office for Extension Affairs
UPDATE

CNA: 18965

We CERTIFY that ***NIKOLAS DUARTE CALDEIRA BRANT***

participated in the ***VII ACADEMIC WEEK IN EMERGENCY MEDICINE – SAMU 2010 – 1st Semester***

as a **PARTICIPANT**

Promoted by the Department of Medical Clinic of the School of Medicine – with support from the Extension Center of the School of Medicine, held on **June 21 to 24, 2010**, with a workload of **30 class/hours.**

Belo Horizonte, June 24, 2010.

Prof. Enio Roberto Pietra Pedroso
Event Coordinator

Profa. Maria Isabel Toulson D. Correia
Coordinator of the Extension Center of the School of Medicine/UFMG

Prof. Francisco José Penna
Dean of the School of Medicine/UFMG

Comp.5 SAMU-2010-1st semester

EXTENSION CENTER OF
UFMG SCHOOL OF MEDICINE
(UFMG: Federal University of Minas Gerais)

This certificate is recorded under
No. MED 10-01/06 - 131
in book 16, page 12.
Belo Horizonte, 09/06/2010.

CENEX/MED - UFMG SECRETARIAT

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 30, 2025.

CERTIFICADO

Ministério da Educação
Universidade Federal de Minas Gerais
Pró-Reitoria de Extensão
ATUALIZAÇÃO

CNA: 18965

CERTIFICAMOS que ***NIKOLAS DUARTE CALDEIRA BRANT***
participou da ***VII SEMANA ACADÊMICA EM MEDICINA DE URGÊNCIA- SAMU 2010- 1º semestre.***

na qualidade de **PARTICIPANTE**

Promovida pelo Departamento de Clínica Médica da Faculdade de Medicina - APOIO: Centro de Extensão da Faculdade de Medicina, realizada no **período de 21 a 24 de junho de 2010**, com a carga horária total de **30 horas/aula.**

Belo Horizonte, 24 de junho 2010.

Prof. Enio Roberto Pietra Pedroso
Coordenador do Evento

Profa. Maria Isabel Toulson D. Correia
Coordenadora do Centro de Extensão da Faculdade de Medicina/UFMG

Prof. Francisco José Penna
Diretor da Faculdade de Medicina/UFMG

Comp5.SAMU-2010-1º semestre

CENTRO DE EXTENSÃO DA FACULDADE
DE MEDICINA DA UFMG

Acha-se o presente certificado registrado sob o
nº. MED 10-01/06 - 131
no livro 16, folha 12.
Belo Horizonte, 06/09/2010.

SECRETARIA DO CENEX/MED - UFMG

CERTIFICATE

SIF 2017

VII INTERNATIONAL SYMPOSIUM ON

PHLEBOLOGY

Nikolas Duarte

Participated as a CONGRESS ATTENDEE in the VII International Symposium on Phlebology, held on June 15, 16, and 17, 2017, at the Ouro Minas Palace Hotel in Belo Horizonte/MG.

Belo Horizonte, June 17, 2017

Dr. Daniel Mendes Pinto
President of SBACV-MG

Dr. Rodrigo Daniel Morelatvar
Scientific Director of SBACV-MG

Dr. Francisco Reis Bastos
Vice President of the VII SIF

Brazilian Society of Angiology and Vascular Surgery - Minas Gerais Regional Chapter

SBACVMG

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 27, 2025.

CERTIFICADO

SIF 2017

VII SIMPÓSIO INTERNACIONAL DE
FLEBOLOGIA

Nikolas Duarte

Participou como CONGRESSISTA do VII Simpósio Internacional de Flebologia,
realizado nos dias 15, 16 e 17 de junho de 2017 no Ouro Minas Palace Hotel, em Belo Horizonte/MG.

Belo Horizonte, 17 de junho de 2017

Dr. Daniel Mendes Pinto
Presidente da SBACV-MG

Dr. Rodrigo Daniel Moreialvar
Diretor Científico da SBACV-MG

Dr. Francisco Reis Bastos
Vice Presidente do VII SIF

Sociedade Brasileira de Angiologia e de Cirurgia Vascular Regional Minas Gerais

SBACVMG

CERTIFICATE

Ministry of Education
Federal University of Minas Gerais
Vice President's Office for Extension Affairs
UPDATE

We CERTIFY that ***Nikolas Duarte Caldeira Brant***

participated in the ***IV ACADEMIC MENTAL HEALTH JOURNEY***

as the author of the free topic Poster: "Neuropsychology of Autism"

Promoted by the Department of Mental Health of the School of Medicine – with support from the Extension Center of the School of Medicine, held on **November 5, 6, and 8, 2007**, with a workload of **15 hours.**

Belo Horizonte, January 10, 2008.

Profª. Tatiana Tscherbakowski de Guimarães Mourão
Course Coordinator

Prof. Ari de Pinho Tavares
CENEX/MED Coordinator
(CENEX: Extension Center of the School of Medicine)

Prof. Francisco José Penna
Dean of the School of Medicine

Cmtp/UFMG-07

EXTENSION CENTER OF
UFMG SCHOOL OF MEDICINE
(UFMG: Federal University of Minas Gerais)

This certificate is recorded under
No. MED 07-02/24 - 245
in book 10, page 92.
Belo Horizonte, 01/10/2008.

CENEX/MED - UFMG SECRETARIAT

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 30, 2025.

CERTIFICADO

Ministério da Educação
Universidade Federal de Minas Gerais
Pró-Reitoria de Extensão
ATUALIZAÇÃO

CERTIFICAMOS que Nikolas Duarte Caldeira Brant

participou da ***IV JORNADA ACADÊMICA DE SAÚDE MENTAL***

na qualidade de Autor do Tema Livre Pôster: "Neuropsicologia do Autismo"

promovida pelo Departamento de Saúde Mental da Faculdade de Medicina - APOIO: Centro de Extensão da Faculdade de Medicina, realizada nos dias **05, 06 e 08 de novembro de 2007**, com a carga horária de **15 horas**.

Belo Horizonte, 10 de janeiro de 2008.

Profª. Tatiana Tscherbakowski de Guimarães Mourão
Coordenadora do Curso

Prof. Ari de Pinho Tavares
Coordenador do CENEX/MED

Prof. Francisco José Penna
Diretor da Faculdade de Medicina

Comp4/ CJASME-07

CENTRO DE EXTENSÃO DA
FACULDADE DE MEDICINA DA UFMG

Acha-se o presente certificado registrado sob
o nº. MED 07-02/ 24 - 245
no livro 10, folha 92.
Belo Horizonte, 10/01/2008.

SECRETARIA DO CENEX/MED - UFMG

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DEPARTMENT OF SURGERY
MEDICAL SCHOOL OF UFMG
(Federal University of Minas Gerais)

Avenida Professor Alfredo Balena 190 - 2nd floor
P.O. Box 340 - ZIP Code 30130-100
Phone/Fax: (31) 3248-9759 and 3248-9760
Email:

CIR

Grants this certificate to:

NIKOLAS DUARTE CALDEIRA BRANT

For his participation in the ***IX Academic Seminar on Surgical Clinic*** *with the presentation entitled*

How to prevent ethical-professional lawsuits? And are medical insurance plans worth it?

Belo Horizonte, November 12, 2009.

Profa. Maria Isabel T. D. Correia

Profa. Soraya Rodrigues Almeida

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 27, 2025.

UFMG
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UFMG
UFMG

DEPARTAMENTO DE CIRURGIA
FACULDADE DE MEDICINA DA UFMG

Av. Prof.Alfredo Balena 190 - 2º andar
Caixa postal 340 - cep 30130-100
31-3409-9759 e 3409-9760(telefax)
E-mail.: cirurgia@medicina.ufmg.br

CIR

Concede esse certificado a:

NIKOLAS DUARTE CALDEIRA BRANT

Por sua participação no ***IX Seminário Acadêmico de Clínica Cirúrgica*** *com o trabalho intitulado*

Como se prevenir de processos ético-profissionais? E os seguros médicos, valem a pena?

Belo Horizonte, 12 de novembro de 2009.

Profa. Maria Isabel T. D. Correia

Profa. Soraya Rodrigues Almeida

UFMG
UFMG
UFMG
UFMG

DEPARTMENT OF SURGERY
MEDICAL SCHOOL OF UFMG
(Federal University of Minas Gerais)

Avenida Professor Alfredo Balena 190 - 4th floor
P.O. Box 340 - ZIP Code 30130-100
Phone/Fax: (31) 3248-9759 and 3248-9760

CIR

Grants this certificate to:

Nikolas Duarte Caldeira Brant

For his participation in the ***Academic Seminar on Surgical Technique*** *with the presentation entitled*

Transversalis Fascia*, under the supervision of Professor Ernesto Lentz de Carvalho Monteiro.*

Belo Horizonte, November 28, 2007

Prof. Luciano Dantés de Paula

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: June 27, 2025.

UFMG
UFMG
UFMG
UFMG

DEPARTAMENTO DE CIRURGIA
FACULDADE DE MEDICINA DA UFMG

Av. Prof.Alfredo Balena 190 - 4º andar
Caixa postal 340 - cep 30130-100
31-3248-9759 e 3248-9760(telefax)

CIR

Concede esse certificado a:

Nikolas Duarte Caldeira Brant

Por sua participação no **Seminário Acadêmico de Técnica Cirúrgica**
com o trabalho intitulado

Fáscia Transversalis *sob orientação do professor*

Ernesto Lentz de Carvalho Monteiro.

Belo Horizonte, 28 de novembro de 2007

Prof. Luciano Dantés de Paula

Exhibit C.II - Second Prong: Evidence of High Salary

NAME: NIKOLAS DUARTE CALDEIRA BRANT
CPF: 012.713.876-54
ANNUAL ADJUSTMENT DECLARATION

INCOME TAX - INDIVIDUAL
TAX YEAR 2024 **CALENDAR YEAR 2023**

TAXPAYER IDENTIFICATION

Name:	NIKOLAS DUARTE CALDEIRA BRANT	CPF:	012.713.876-54
Date of Birth:	10/09/1983	Voter ID:	
Do you have a spouse or partner?	Yes	CPF of the Spouse or partner:	083.471.996-71

Were you a resident abroad and became a resident in Brazil in 2023? No

Were there any changes to the registration details? No

Is one of the declarants a person with a serious illness or a physical or mental disability? No

Address:	RUA PROFESSOR MAGALHAES DRUMOND	Number:	157
Unit:	APT. 701	Neighborhood/District:	SANTO ANTONIO
City:	BELO HORIZONTE	State:	MG
ZIP Code:	03050-000	Area Code/Telephone:	
Email:	NIKOLAS5@HOTMAIL.COM	Area Code/Mobile:	(31) 98458-9510

Occupation Type: 11 - SELF-EMPLOYED OR FREELANCE PROFESSIONAL WITHOUT EMPLOYMENT TIES

Main Occupation: 225 - PHYSICIAN

Type of Declaration: Original Annual Adjustment Declaration

Receipt Number of the last declaration filed in the 2023 tax year: 41.74.33.12.08-38

DEPENDENTS

No Information

ALIMONY RECIPIENTS

No Information

TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE TAXPAYER

(Values in Reais)

NAME OF THE PAYING SOURCE	INCOME RECEIVED FROM LEGAL ENTITY	OFFICIAL SOCIAL SECURITY CONTRIBUTION	WITHHELD TAX	13th SALARY	INCOME TAX WITHHELD ON 13th SALARY
AUTONOMOUS SOCIAL SERVICE HOSPITAL METROPOLITANO DOUTOR CELIO CNPJ/CPF: 22.012.907/0001-03	93,867.76	8,8661.04	14,052.23	5,354.33	810.32
COOPERATIVA MEDICA DE ESPECIALIDADES LTDA CNPJ/CPF: 86.402.385/0001-39	712,06	142,41	0,00	0,00	0,00
ANGIOLOGIA LN CNPJ/CPF: 41.931.508/0001-90	30,054.00	3,305.94	0.00	0.00	0.00
CECM DOS MEDICOS E PROF AREA DE SAUDE DO BRASIL LTDA CNPJ/CPF: 42.898.825/0001-15	684.80	0.00	0.00	0.00	0.00
TOTAL	125,318.62	12,109.39	14,052.23	5,354.33	810.32

TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY DEPENDENTS

No information

TAXABLE INCOME RECEIVED FROM INDIVIDUALS AND ABROAD BY THE TAXPAYER

No information

TAXABLE INCOME RECEIVED FROM INDIVIDUALS AND ABROAD BY DEPENDENTS

No information

EXEMPT AND NON-TAXABLE INCOME

(Values in Reais)

04. Compensation for termination of employment contract, including under the PDV (Voluntary Dismissal Program), and for work-related accidents; and FGTS (Length-of-Service Guarantee Fund) 17,028,01

Beneficiary	CPF	CNPJ of the Paying Source	Name of the Paying Source	Amount
Taxpayer	012.713.876-54	22.012.907/0001-03	AUTONOMOUS SOCIAL SERVICE HOSPITAL METROPOLITANO DOUTOR CELIO	17,028,01

09. Profits and received dividends 142.777,40

Beneficiary	CPF	CNPJ of the Paying Source	Name of the Paying Source	Amount
Taxpayer	012.713.876-54	29.905.982/0001-42	ANGIOCLEAN CLINICA DE ANGIOLOGIA LTDA.	56,477.44
Taxpayer	012.713.876-54	41.931.508/0001-90	ANGIOLOGIA LN LTDA.	86,299.96

TOTAL 159.805,41

INCOME SUBJECT TO EXCLUSIVE/DEFINITIVE TAXATION

(Values in Reais)

01. 13th salary 5,354.33

06. Income from financial investments 1,044,87

Beneficiary	CPF	CNPJ of the Paying Source	Name of the Paying Source	Amount
Taxpayer	012.713.876-54	08.545.860/0001-12	VINTAGE RF CRED PRIV	1,001,06
Taxpayer	012.713.876-54	60.746.948/0001-12	BANCO BRADESCO S A	22,51
Taxpayer	012.713.876-54	90.400.888/0001-42	BANCO SANTANDER (BRASIL) SA	2.78
Taxpayer	012.713.876-54	10.264.663/0001-77	BANCOSEGURO S A	17.37
Taxpayer	012.713.876-54	08.561.701/0001-01	PAGSEGURO INT. INST. PAG. S.A.	1.37

TOTAL 6.399,20

TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE TAXPAYER (TAX WITH SUSPENDED EXIGIBILITY)

No information

TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE DEPENDENTS (TAX WITH SUSPENDED EXIGIBILITY)

No information

TAXABLE INCOME FROM LEGAL ENTITY RECEIVED CUMULATIVELY BY THE TAXPAYER

No information

TAXABLE INCOME FROM LEGAL ENTITY RECEIVED CUMULATIVELY BY THE DEPENDENTS

No information

TAX PAID / WITHHELD

(Values in Reais)

01. Complementary Tax:	0,00
02. Tax paid abroad by the taxpayer and dependents	0,00
Tax due with income abroad	0,00
Tax due without income abroad	0,00
Difference to be considered for tax calculation (legal limit)	0,00
03. Income Tax Withheld at Source (Law 11.033/2004):	0,00
04. Income Tax Withheld at Source for the Taxpayer	14,052,23
05. Income Tax Withheld at Source for the Dependents	0,00
06. Taxpayer's Carnê-Leão	0,00
07. Dependent's Carnê-Leão	0,00

* CARNÊ-LEÃO - (Income tax that must be paid monthly, mandatorily, by individuals residing in Brazil who receive income from another individual or from abroad)

PAYMENTS MADE

(Values in Reais)

CODE	BENEFICIARY NAME	BENEFICIARY CPF/CNPJ	AMOUNT PAID	NON-DEDUCTABLE PORTION
Taxpayer				
26	VALEM ADMINISTRADORA DE BENEFICIOS LTDA	11.340.037/0001-85	7,150.99	0,00
Description:				
70	KASI ADMINISTRADORA DE IMOVEIS LTDA.	17.547.593/0001-03	15,131.17	0,00
Description:				

DONATIONS MADE

No information

STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

GROUP	CODE	DISCLOSURE	STATUS ON 12/31/2022	STATUS ON 12/31/2023
01	11	APARTMENT 801, AT AVENIDA AUGUSTO DE LIMA, 1,135 , RECEIVED THROUGH DONATION AND ALL CHARGES PAID IN 2019	60,000.00	60,000.00

105 - BRAZIL

Municipal Registration (IPTU):

Address: AVENIDA AUGUSTO DE LIMA
No.: 1,135
Unit: Apt. 801
Neighborhood: CENTRO
City: SÃO BELO HORIZONTE
State: MG ZIP Code: 30190-002
Total Area: 106.6m²
Acquisition Date: / /
Registered at the Registry Office: Yes

STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

GROUP	CODE	DISCLOSURE	STATUS ON 12/31/2022	STATUS ON 12/31/2023
Registration: 12216			Name of the Registry Office: 7th REAL ESTATE REGISTRY OFFICE OF BH/MG	
01	11	APARTMENT ACQUIRED ON 10/27/2022 FROM PATRIMAR ENGENHARIA - CNPJ 23.236.821/0001-27 FOR THE AMOUNT OF R$ 1,800,000.00	1,800,000.00	1,800,000.00
105 - BRAZIL				
Municipal Registration (IPTU):				
Address: RUA PROFESSOR ARDUINO BOLIVAR			No.: 91	
Unit: APT. 303			Neighborhood: SANTO ANTONIO	
City: SÃO BELO HORIZONTE			State: MG ZIP Code: 30350-140	
Total Area: 0.0			Acquisition Date: / /	
Registered at the Registry Office:				
01	15	PURCHASE AND SALE OF ROOM/UNIT - ACQUIRED FROM CNPJ 20.429.367/0001-32 ON 07/13/2023 - AMOUNT: R$ 506,732.52 - PARTICIPATION: 50.00% - REPORTED BY CNPJ 21.856.372/0001-94	0.00	325,820.63
105 - BRAZIL				
Municipal Registration (IPTU):				
Address: AVENIDA BARBACENA			No.: 600	
Unit: ROOM 523			Neighborhood: BARRO PRETO	
City: SÃO BELO HORIZONTE			State: MG ZIP Code: 30190-134	
Total Area: 0.0			Acquisition Date: 07/13/2023	
Registered at the Registry Office: Yes				
Registration: 84656			Name of the Registry Office:	
02	01	VEHICLE MAKE HONDA CIVIC TOURING YEAR 2019/2020, ACQUIRED FROM THE DEALERSHIP BANZAI HONDA CONTORNO - CNPJ 09.181.897/0001-52	130,000.00	130,000.00
105 - BRAZIL				
RENAVAM (National Registry of Motor Vehicles): 01208387534				

STATEMENTS OF ASSETS AND RIGHTS (Values in Reais)

GROUP	CODE	DISCLOSURE	STATUS ON 12/31/2022	STATUS ON 12/31/2023
03	02	50% OF THE SHARE CAPITAL OF THE COMPANY NAMED ANGIOCLEAN - ANGIOLOGIA E DERMATOLOGIA LTDA. 105 - BRAZIL Asset or right belonging to: Taxpayer CPF: 012.713.876-54 CNPJ: 29.905.982/0001-42	5,000,00	5,000,00
03	02	50% OF THE SHARE CAPITAL OF THE COMPANY NAMED ANGIOLOGIA LN LTDA. 105 - BRAZIL Asset or right belonging to: Taxpayer CPF: 012.713.876-54 CNPJ: 41.931.508/0001-90	5,000,00	5,000,00
03	02	50% OF THE SHARE CAPITAL SICOOB CREDICOM 105 - BRAZIL Asset or right belonging to: Taxpayer CPF: 012.713.876-54 CNPJ: 42.898.825/0001-15	4,860,20	4,860,20
04	02	INVESTMENT IN FIXED INCOME BANCO SANTANDER 105 - BRAZIL Asset or right belonging to: Taxpayer CPF: 012.713.876-54 CNPJ: 90.400.888/0001-42	154,86	0,00
04	02	INVESTMENT IN FIXED INCOME BANCO BRADESCO 105 - BRAZIL Asset or right belonging to: Taxpayer CPF: 012.713.876-54 CNPJ: 60.746.948/0001-12	57,206,10	4,075,25

STATEMENTS OF ASSETS AND RIGHTS (Values in Reais)

GROUP	CODE	DISCLOSURE	STATUS ON 12/31/2022	STATUS ON 12/31/2023
04	02	INVESTMENT IN FIXED INCOME SANTANDER	2,766,71	3,413,80

105 - BRAZIL

Asset or right belonging to: Taxpayer CPF: 012.713.876-54
CNPJ: 90.400.888/0001-42

GROUP	CODE	DISCLOSURE	STATUS ON 12/31/2022	STATUS ON 12/31/2023
06	01	CHECKING ACCOUNT BANCO BRADESCO	1,00	1,00

105 - BRAZIL

Asset or right belonging to: Taxpayer CPF: 007.485.782-77
CNPJ: 60.746.948/0001-12

Bank: 237 Branch: 0849 Account: 466932-0

GROUP	CODE	DISCLOSURE	STATUS ON 12/31/2022	STATUS ON 12/31/2023
06	01	CHECKING ACCOUNT SICOOB CREDICOM	154,86	0,00

105 - BRAZIL

Asset or right belonging to: Taxpayer CPF: 007.485.782-77
CNPJ: 42.898.825/0001-15

Bank: 756 Branch: 4027 Account: 28915927-0

GROUP	CODE	DISCLOSURE	STATUS ON 12/31/2022	STATUS ON 12/31/2023
06	01	CHECKING ACCOUNT BANCO BRADESCO	7,81	1,00

105 - BRAZIL

Asset or right belonging to: Taxpayer CPF: 007.485.782-77
CNPJ: 60.746.948/0001-12

Bank: 237 Branch: 0849 Account: 466932-0

GROUP	CODE	DISCLOSURE	STATUS ON 12/31/2022	STATUS ON 12/31/2023
07	06	INVESTMENT FUNDS - VINTAGE RF	45,606,98	0,00

105 - BRAZIL

Asset or right belonging to: Taxpayer CPF: 007.485.782-77
Fund CNPJ: 90.400.888/0001-42
Traded on the Stock Exchange: No

STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

GROUP	CODE	DISCLOSURE	STATUS ON 12/31/2022	STATUS ON 12/31/2023
99	05	REAL ESTATE CONSORTIUM - GROUP 2066 - QUOTA 430 105 - BRAZIL CNPJ: 27.268.770/0001-76	179,718,59	203,344.46
TOTAL			2,290.477,11	2,541,515.34

ENCUMBRANCES AND REAL LIABILITIES

(Values in Reais)

CODE	DISCLOSURE	STATUS ON 12/31/2022	STATUS ON 12/31/2023	AMOUNT PAID IN 2023
14	LOAN OBTAINED FROM MARIA ELIZABETH DUARTE - CPF 219.581.146-34	500.000.00	500.000.00	0,00
11	REAL ESTATE FINANCING WITH BANCO BRADESCO	1,304,467.47	1,283,465.11	43,808.18
14	LOAN OBTAINED FROM RINALDO EUDES DE SOUZA ALVES, CPF 298.097.976-72.	300,000.00	300,000.00	0.00
TOTAL		2,104,467,47	2,083,465.11	43,808.18

DONATIONS TO POLITICAL PARTIES AND CANDIDATES FOR ELECTIVE OFFICES

No information

STATEMENT OF RURAL ACTIVITY – BRAZIL

IDENTIFICATION DATA OF THE EXPLORED PROPERTY - BRAZIL

No information

INCOME AND EXPENSES - BRAZIL

No information

CALCULATION OF THE RESULT – BRAZIL

No information

LIVESTOCK ACTIVITY - BRAZIL

No information

ASSETS OF RURAL ACTIVITY - BRAZIL

No information

DEBTS RELATED TO RURAL ACTIVITY - BRAZIL

No information

STATEMENT OF RURAL ACTIVITY – ABROAD

IDENTIFICATION DATA OF THE EXPLORED PROPERTY - ABROAD

No information

INCOME AND EXPENSES - ABROAD

No information

CALCULATION OF THE RESULT – ABROAD

No information

LIVESTOCK ACTIVITY - ABROAD

No information

ASSETS OF RURAL ACTIVITY - ABROAD

No information

DEBTS RELATED TO RURAL ACTIVITY - ABROAD

No information

STATEMENT OF CAPITAL GAINS CALCULATION

No Information

VARIABLE INCOME - COMMON OPERATIONS/DAY TRADE – TAXPAYER

NET GAINS OR LOSSES - JAN
No information

NET GAINS OR LOSSES - FEB
No information

NET GAINS OR LOSSES - MAR
No information

NET GAINS OR LOSSES - APR
No information

NET GAINS OR LOSSES - MAY
No information

NET GAINS OR LOSSES - JUN
No information

NET GAINS OR LOSSES - JUL
No Information

NET GAINS OR LOSSES - AUG
No Information

NET GAINS OR LOSSES - SEP
No Information

NET GAINS OR LOSSES - OCT
No Information

NET GAINS OR LOSSES - NOV
No Information

NET GAINS OR LOSSES - DEC
No Information

VARIABLE INCOME - COMMON OPERATIONS/DAY TRADE - DEPENDENTS
No information

REAL ESTATE INVESTMENT FUNDS OR IN AGRO-INDUSTRIAL PRODUCTION CHAINS - TAXPAYER
No information

REAL ESTATE INVESTMENT FUNDS OR IN AGRO-INDUSTRIAL PRODUCTION CHAINS - DEPENDENTS
No information

DONATIONS DIRECTLY IN THE DECLARATION – ECA (STATUTE OF THE CHILD AND ADOLESCENT)
No Information

DONATIONS DIRECTLY IN THE DECLARATION - ELDERLY
No Information

NAME: NIKOLAS DUARTE CALDEIRA BRANT
CPF: 012.713.876-54
ANNUAL ADJUSTMENT DECLARATION

INCOME TAX - INDIVIDUAL
TAX YEAR 2024 **CALENDAR YEAR 2023**

SUMMARY **TAXATION USING THE LEGAL DEDUCTION**

TAXABLE INCOME

Received from Legal Entity by the taxpayer	125,318.62
Received from Legal Entity by dependents	0,00
Received from Individual/Abroad by the taxpayer	0,00
Received from Individual/Abroad by Dependents	0,00
Received Cumulatively by the taxpayer	0,00
Received Cumulatively by dependents	0,00
Taxable Income from Rural Activity	0,00
TOTAL	125,318.62

DEDUCTIONS

Contributions to the official and closed complementary pension systems referred to in § 15 of Article 40 of the CF (Federal Constitution)/1988 (up to the sponsor limit)	12,109.39
Contribution to the official pension system (Income received cumulatively)	0,00
Contribution to the complementary pension system, including the amount for the closed systems referred to in Article 40, § 15, of the CF (Federal Constitution)/1988, which exceeds the sponsor's limit	0,00
Dependents	0.00
Education Expenses	0,00
Medical Expenses	7,150,99
Judicial Alimony	0,00
Alimony by Public Deed	0,00
Judicial Alimony (Income received cumulatively)	0,00
Cash Book	0,00
TOTAL	19.260,38

TAX DUE

Tax Base	106,058,24
Tax Due	18,608,88
Incentive Deduction	0,00
Tax Due I	18,608,88
Tax Due RRA (on received accumulated income)	0,00
Effective Tax Rate (%)	14,84
Total Tax Due	18,608,88

TAX PAID

Tax Withheld at Source by the Taxpayer	14,052.23
Tax Withheld at Source by Dependents	0,00
Taxpayer's Carnê-Leão	0,00
Dependents' Carnê-Leão	0,00
Complementary Tax	0,00
Tax Paid Abroad	0,00
Tax Withheld at Source (Law No. 11.033/2004)	0,00
Tax Withheld RRA	0,00
Total Tax Paid	14,052.23

TAX TO BE REFUNDED	0,00
BALANCE OF TAX PAYABLE	4,556.65

INSTALLMENT PLAN

Installment Amount	569.58
Number of Installments	8

BANKING INFORMATION

	Automatic debit: YES
	From the 2nd installment
Bank	033
Branch (without verification digit)	1889
Account for credit	00001000319 4

ASSET EVOLUTION

Assets and Rights on 12/31/2022	2.290,477.11
Assets and Rights on 12/31/2023	2,541,515.34
Encumbrances and Real Liabilities on 12/31/2022	2,104,467.47
Encumbrances and Real Liabilities on 12/31/2023	2,083,465.11

OTHER INFORMATION

Exempt and non-taxable income	159.805.41
Income subject to exclusive/definitive taxation	6.399,20
Taxable income - tax with suspended liability	0.00
Judicial Deposits of Tax	0.00
Tax Paid on Capital Gains	0.00
Tax Paid on Capital Gains Foreign Currency - Assets, Rights, and Financial Investments	0.00
Total tax withheld at source (Law No. 11.033/2004), as per the data provided by the taxpayer	0.00
Tax Paid on Variable Income	0.00
Donations to Political Parties and Candidates for Elective Office	0.00
Tax Payable on Capital Gain - Foreign Currency in Cash	0.00
Deferred Tax on Capital Gains	0.00
Tax Due on Capital Gains	0.00
Tax Due on Net Income from Variable Income	0.00
Tax Due on Capital Gains in Foreign Currency - Assets, Rights, and Financial Investments	0.00

I, André Vinícius Inacio Penna Mello, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: November 3, 2025.

NOME: NIKOLAS DUARTE CALDEIRA BRANT
CPF: 012.713.876-54 **IMPOSTO SOBRE A RENDA - PESSOA FÍSICA**
DECLARAÇÃO DE AJUSTE ANUAL **EXERCÍCIO 2024** **ANO-CALENDÁRIO 2023**

IDENTIFICAÇÃO DO CONTRIBUINTE

Nome:	NIKOLAS DUARTE CALDEIRA BRANT	CPF:	012.713.876-54
Data de Nascimento:	09/10/1983	Título Eleitoral:	
Possui cônjuge ou companheiro(a)?	Sim	CPF do cônjuge ou companheiro(a):	083.471.996-71

Era residente no exterior e passou a ser residente no Brasil em 2023? Não

Houve alteração de dados cadastrais? Não

Um dos declarantes é pessoa com doença grave ou portadora de deficiência física ou mental? Não

Endereço:	RUA PROFESSOR MAGALHAES DRUMOND	Número:	157
Complemento:	AP 701	Bairro/Distrito:	SANTO ANTONIO
Município:	BELO HORIZONTE	UF:	MG
CEP:	30350-000	DDD/Telefone:	
E-mail:	NIKOLAS5@HOTMAIL.COM	DDD/Celular:	(31) 98458-9510

Natureza da Ocupação: 11 - PROFISSIONAL LIBERAL OU AUTÔNOMO SEM VÍNCULO DE EMPREGO

Ocupação Principal: 225 - MÉDICO

Tipo de declaração: Declaração de Ajuste Anual Original

Nº do recibo da última declaração entregue do exercício de 2023: 41.74.33.12.08-38

PROTEGIDA POR SIGILO FISCAL

DEPENDENTES

Sem Informações

ALIMENTANDOS

Sem Informações

RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELO TITULAR

(Valores em Reais)

NOME DA FONTE PAGADORA	REND. RECEBIDOS DE PES. JURÍDICA	CONTR. PREVID. OFICIAL	IMPOSTO RETIDO NA FONTE	13º SALÁRIO	IRRF SOBRE 13º SALÁRIO
SERVICO SOCIAL AUTONOMO HOSPITAL METROPOLITANO DOUTOR CELIO CNPJ/CPF: 22.012.907/0001-03	93.867,76	8.661,04	14.052,23	5.354,33	810,32
COOPERATIVA MEDICA DE ESPECIALIDADES LTDA CNPJ/CPF: 86.402.385/0001-39	712,06	142,41	0,00	0,00	0,00
ANGIOLOGIA LN CNPJ/CPF: 41.931.508/0001-90	30.054,00	3.305,94	0,00	0,00	0,00
CECM DOS MEDICOS E PROF AREA DE SAUDE DO BRASIL LTDA CNPJ/CPF: 42.898.825/0001-15	684,80	0,00	0,00	0,00	0,00
TOTAL	125.318,62	12.109,39	14.052,23	5.354,33	810,32

RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELOS DEPENDENTES

Sem Informações

RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA FÍSICA E DO EXTERIOR PELO TITULAR

Sem Informações

RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA FÍSICA E DO EXTERIOR PELOS DEPENDENTES

Sem Informações

RENDIMENTOS ISENTOS E NÃO TRIBUTÁVEIS

(Valores em Reais)

04. Indenizações por rescisão de contrato de trabalho, inclusive a título de PDV, e por acidente de trabalho; e FGTS 17.028,01

Beneficiário	CPF	CPF/CNPJ da Fonte Pagadora	Nome da Fonte Pagadora	Valor
Titular	012.713.876-54	22.012.907/0001-03	SERVICO SOCIAL AUTONOMO HOSPITAL METROPOLITANO DOUTOR CELIO	17.028,01

09. Lucros e dividendos recebidos 142.777,40

Beneficiário	CPF	CNPJ da Fonte Pagadora	Nome da Fonte Pagadora	Valor
Titular	012.713.876-54	29.905.982/0001-42	ANGIOCLEAN CLINICA DE ANGIOLOGIA LTDA.	56.477,44
Titular	012.713.876-54	41.931.508/0001-90	ANGIOLOGIA LN LTDA.	86.299,96

TOTAL 159.805,41

RENDIMENTOS SUJEITOS À TRIBUTAÇÃO EXCLUSIVA / DEFINITIVA

(Valores em Reais)

01. 13º salário 5.354,33

06. Rendimentos de aplicações financeiras 1.044,87

Beneficiário	CPF	CNPJ da Fonte Pagadora	Nome da Fonte Pagadora	Valor
Titular	012.713.876-54	08.545.860/0001-12	VINTAGE RF CRED PRIV	1.001,06
Titular	012.713.876-54	60.746.948/0001-12	BANCO BRADESCO S A	22,51
Titular	012.713.876-54	90.400.888/0001-42	BANCO SANTANDER (BRASIL) SA	2,78
Titular	012.713.876-54	10.264.663/0001-77	BANCOSEGURO S A	17,15
Titular	012.713.876-54	08.561.701/0001-01	PAGSEGURO INT. INST. PAG. S.A.	1,37

TOTAL 6.399,20

RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELO TITULAR (IMPOSTO COM EXIGIBILIDADE SUSPENSA)

Sem Informações

RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELOS DEPENDENTES (IMPOSTO COM EXIGIBILIDADE SUSPENSA)

Sem Informações

PROTEGIDA POR SIGILO FISCAL

RENDIMENTOS TRIBUTÁVEIS DE PESSOA JURÍDICA RECEBIDOS ACUMULADAMENTE PELO TITULAR

Sem Informações

RENDIMENTOS TRIBUTÁVEIS DE PESSOA JURÍDICA RECEBIDOS ACUMULADAMENTE PELOS DEPENDENTES

Sem Informações

IMPOSTO PAGO / RETIDO

(Valores em Reais)

01. Imposto complementar	0,00
02. Imposto pago no exterior pelo titular e pelos dependentes	0,00
Imposto devido com os rendimentos no exterior	0,00
Imposto devido sem os rendimentos no exterior	0,00
Diferença a ser considerada para cálculo do imposto (limite legal)	0,00
03. Imposto sobre a renda na fonte (Lei 11.033/2004)	0,00
04. Imposto retido na fonte do titular	14.052,23
05. Imposto retido na fonte dos dependentes	0,00
06. Carnê-Leão do titular	0,00
07. Carnê-Leão dos dependentes	0,00

PAGAMENTOS EFETUADOS

(Valores em Reais)

CÓD.	NOME DO BENEFICIÁRIO	CPF/CNPJ DO BENEFICIÁRIO	VALOR PAGO	PARC. NÃO DEDUTÍVEL
Titular				
26	VALEM ADMINISTRADORA DE BENEFICIOS LTDA	11.340.037/0001-85	7.150,99	0,00
Descrição:				
70	KASI ADMINSTRADORA DE IMOVEIS LTDA.	17.547.593/0001-03	15.131,17	0,00
Descrição:				

DOAÇÕES EFETUADAS

Sem Informações

DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

GRUPO	CÓDIGO	DISCRIMINAÇÃO	SITUAÇÃO EM 31/12/2022	SITUAÇÃO EM 31/12/2023
01	11	APARTAMENTO 801, A AVENIDA AUGUSTO DE LIMA, 1.135, RECEBIDO ATRAVES DE DOACAO E PAGO TODOS OS ENCARCARGOS EM 2019	60.000,00	60.000,00

105 - BRASIL

Inscrição Municipal (IPTU):

Logradouro: AVENIDA AUGUSTO DE LIMA
Nº: 1.135
Comp.: AP. 801
Bairro: CENTRO
Município: BELO HORIZONTE
UF: MG CEP: 30190-002
Área Total: 106,6 m²
Data de Aquisição: / /
Registrado no Cartório: Sim

PROTEGIDA POR SIGILO FISCAL

DECLARAÇÃO DE BENS E DIREITOS (Valores em Reais)

GRUPO	CÓDIGO	DISCRIMINAÇÃO	SITUAÇÃO EM 31/12/2022	SITUAÇÃO EM 31/12/2023
		Matrícula: 12216 Nome Cartório: CARTORIO 7O OFICIO DE REGISTRO DE IMOVEIS BH/MG.		
01	11	APARTAMENTO ADQUIRIDO EM 27/10/2022 DE PATRIMAR ENGENHARIA - CNPJ 23.236.821/0001-27 PELO VALOR DE R$ 1.800,00,00. 105 - BRASIL Inscrição Municipal (IPTU): Logradouro: RUA PROFESSOR ARDUINO BOLIVAR Nº: 91 Comp.: APTO 303 Bairro: SANTO ANTONIO Município: BELO HORIZONTE UF: MG CEP: 30350-140 Área Total: 0,0 Data de Aquisição: / / Registrado no Cartório:	1.800.000,00	1.800.000,00
01	15	COMPRA E VENDA DE SALA/CONJUNTO - ADQUIRIDO DE CNPJ 20.429.367/0001-32 EM 13/07/2023 - VALOR: R$ 506.732,52 - PARTICIPACAO: 50.00% - INFORMADO POR CNPJ 21.856.372 /0001-94 105 - BRASIL Inscrição Municipal (IPTU): Logradouro: AVENIDA BARBACENA Nº: 600 Comp.: SALA 523 Bairro: BARRO PRETO Município: BELO HORIZONTE UF: MG CEP: 30190-134 Área Total: 0,0 Data de Aquisição: 13/07/2023 Registrado no Cartório: Sim Nome Cartório: Matrícula: 84656	0,00	325.820,63
02	01	VEICULO MARCA HONDA CIVIC TOURING ANO 2019/2020, ADQUIRIDO DA CONCESSIONARIO BANZAI HONDA CONTORNO - CNPJ 09.181.897/0001-52 105 - BRASIL RENAVAM: 01208387534	130.000,00	130.000,00

PROTEGIDA POR SIGILO FISCAL

DECLARAÇÃO DE BENS E DIREITOS (Valores em Reais)

GRUPO	CÓDIGO	DISCRIMINAÇÃO	SITUAÇÃO EM 31/12/2022	SITUAÇÃO EM 31/12/2023
03	02	50% DO CAPITAL SOCIAL DA EMPRESA DENOMINADA ANGIOCLEAN - ANGIOLOGIA E DERMATOLOGIA LTDA. 105 - BRASIL Bem ou direito pertencente ao: Titular CPF: 012.713.876-54 CNPJ: 29.905.982/0001-42	5.000,00	5.000,00
03	02	50% DO CAPITAL SOCIAL DA EMPRESA DENOMINADA ANGIOLOGIA LN LTDA. . 105 - BRASIL Bem ou direito pertencente ao: Titular CPF: 012.713.876-54 CNPJ: 41.931.508/0001-90	5.000,00	5.000,00
03	02	50% DO CAPITAL SOCIAL SICOOB CREDICOM 105 - BRASIL Bem ou direito pertencente ao: Titular CPF: 012.713.876-54 CNPJ: 42.898.825/0001-15	4.860,20	4.860,20
04	02	APLICACAO DE RENDA FIXA BANCO SANTANDER 105 - BRASIL Bem ou direito pertencente ao: Titular CPF: 012.713.876-54 CNPJ: 90.400.888/0001-42	154,86	0,00
04	02	APLICACAO RENDA FIXA BANCO BRADESCO 105 - BRASIL Bem ou direito pertencente ao: Titular CPF: 012.713.876-54 CNPJ: 60.746.948/0001-12	57.206,10	4.075,25

PROTEGIDA POR SIGILO FISCAL

DECLARAÇÃO DE BENS E DIREITOS (Valores em Reais)

GRUPO	CÓDIGO	DISCRIMINAÇÃO	SITUAÇÃO EM 31/12/2022	SITUAÇÃO EM 31/12/2023
04	02	APLICAÇAO RENDA FIXA SANTANDER	2.766,71	3.413,80

105 - BRASIL

Bem ou direito pertencente ao: Titular CPF: 012.713.876-54
CNPJ: 90.400.888/0001-42

GRUPO	CÓDIGO	DISCRIMINAÇÃO	SITUAÇÃO EM 31/12/2022	SITUAÇÃO EM 31/12/2023
06	01	CONTA CORRENTE BANCO BRADESCO	1,00	1,00

105 - BRASIL

Bem ou direito pertencente ao: Titular CPF: 012.713.876-54
CNPJ: 60.746.948/0001-12

Banco: 237 Agência: 0849 Conta: 466932-0

GRUPO	CÓDIGO	DISCRIMINAÇÃO	SITUAÇÃO EM 31/12/2022	SITUAÇÃO EM 31/12/2023
06	01	CONTA CORRENTE SICOOB CREDICOM	154,86	0,00

105 - BRASIL

Bem ou direito pertencente ao: Titular CPF: 012.713.876-54
CNPJ: 42.898.825/0001-15

Banco: 756 Agência: 4027 Conta: 28915927-0

GRUPO	CÓDIGO	DISCRIMINAÇÃO	SITUAÇÃO EM 31/12/2022	SITUAÇÃO EM 31/12/2023
06	01	CONTA CORRENTE BANCO BRADESCO	7,81	0,00

105 - BRASIL

Bem ou direito pertencente ao: Titular CPF: 012.713.876-54
CNPJ: 60.746.948/0001-12

Banco: 237 Agência: 4100 Conta: 0-0

GRUPO	CÓDIGO	DISCRIMINAÇÃO	SITUAÇÃO EM 31/12/2022	SITUAÇÃO EM 31/12/2023
07	06	FUNDOS DE INVESTIMENTOS - VINTAGE RF	45.606,98	0,00

105 - BRASIL

Bem ou direito pertencente ao: Titular CPF: 012.713.876-54
CNPJ do Fundo: 90.400.888/0001-42
Negociados em Bolsa: Não

PROTEGIDA POR SIGILO FISCAL

DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

GRUPO	CÓDIGO	DISCRIMINAÇÃO	SITUAÇÃO EM 31/12/2022	SITUAÇÃO EM 31/12/2023
99	05	CONSORCIO DE IMOVEIS - GRUPO 2066 - COTA 430 105 - BRASIL CNPJ: 27.268.770/0001-76	179.718,59	203.344,46
TOTAL			2.290.477,11	2.541.515,34

DÍVIDAS E ÔNUS REAIS

(Valores em Reais)

CÓDIGO	DISCRIMINAÇÃO	SITUAÇÃO EM 31/12/2022	SITUAÇÃO EM 31/12/2023	VALOR PAGO EM 2023
14	EMPRESTIMO CONTRAIDO DE MARIA ELIZABETH DUARTE - CPF 219.581.146-34	500.000,00	500.000,00	0,00
11	FINANCIAMENTO IMOBILIARIO JUNTO AO BANCO BRADESCO.	1.304.467,47	1.283.465,11	43.808,18
14	EMPRESTIMO CONTRAIDO DE RINALDO EUDES DE SOUZA ALVES, CPF 298.097.976-72.	300.000,00	300.000,00	0,00
TOTAL		2.104.467,47	2.083.465,11	43.808,18

DOAÇÕES A PARTIDOS POLÍTICOS E CANDIDATOS A CARGOS ELETIVOS

Sem Informações

PROTEGIDA POR SIGILO FISCAL

DEMONSTRATIVO DE ATIVIDADE RURAL - BRASIL

DADOS E IDENTIFICAÇÃO DO IMÓVEL EXPLORADO - BRASIL

Sem Informações

RECEITAS E DESPESAS - BRASIL

Sem Informações

APURAÇÃO DO RESULTADO - BRASIL

Sem Informações

MOVIMENTAÇÃO DO REBANHO - BRASIL

Sem Informações

BENS DA ATIVIDADE RURAL - BRASIL

Sem Informações

DÍVIDAS VINCULADAS À ATIVIDADE RURAL - BRASIL

Sem Informações

PROTEGIDA POR SIGILO FISCAL

DEMONSTRATIVO DE ATIVIDADE RURAL - EXTERIOR

DADOS E IDENTIFICAÇÃO DO IMÓVEL EXPLORADO - EXTERIOR

Sem Informações

RECEITAS E DESPESAS - EXTERIOR

Sem Informações

APURAÇÃO DO RESULTADO - EXTERIOR

Sem Informações

MOVIMENTAÇÃO DO REBANHO - EXTERIOR

Sem Informações

BENS DA ATIVIDADE RURAL - EXTERIOR

Sem Informações

DÍVIDAS VINCULADAS À ATIVIDADE RURAL - EXTERIOR

Sem Informações

DEMONSTRATIVO DA APURAÇÃO DOS GANHOS DE CAPITAL

Sem Informações

PROTEGIDA POR SIGILO FISCAL

RENDA VARIÁVEL - OPERAÇÕES COMUNS/DAYTRADE - TITULAR

GANHOS LÍQUIDOS OU PERDAS - JAN

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - FEV

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - MAR

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - ABR

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - MAI

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - JUN

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - JUL

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - AGO

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - SET

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - OUT

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - NOV

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - DEZ

Sem Informações

RENDA VARIÁVEL - OPERAÇÕES COMUNS/DAYTRADE - DEPENDENTES

Sem Informações

FUNDOS DE INVESTIMENTO IMOBILIÁRIO OU NAS CADEIAS PRODUTIVAS AGROINDUSTRIAIS - TITULAR

Sem Informações

FUNDOS DE INVESTIMENTO IMOBILIÁRIO OU NAS CADEIAS PRODUTIVAS AGROINDUSTRIAIS - DEPENDENTES

Sem Informações

DOAÇÕES DIRETAMENTE NA DECLARAÇÃO - ECA

Sem Informações

DOAÇÕES DIRETAMENTE NA DECLARAÇÃO - IDOSO

Sem Informações

PROTEGIDA POR SIGILO FISCAL

NOME: NIKOLAS DUARTE CALDEIRA BRANT
CPF: 012.713.876-54 **IMPOSTO SOBRE A RENDA - PESSOA FÍSICA**
DECLARAÇÃO DE AJUSTE ANUAL **EXERCÍCIO 2024** **ANO-CALENDÁRIO 2023**

RESUMO — TRIBUTAÇÃO UTILIZANDO AS DEDUÇÕES LEGAIS

RENDIMENTOS TRIBUTÁVEIS

Recebidos de Pessoa Jurídica pelo titular	125.318,62
Recebidos de Pessoa Jurídica pelos dependentes	0,00
Recebidos de Pessoa Física/Exterior pelo titular	0,00
Recebidos de Pessoa Física/Exterior pelos dependentes	0,00
Recebidos acumuladamente pelo titular	0,00
Recebidos acumuladamente pelos dependentes	0,00
Resultado tributável da Atividade Rural	0,00
TOTAL	125.318,62

DEDUÇÕES

Contribuições às previdências oficial e complementar fechada de que trata o § 15 do art. 40 da CF/1988 (até o limite do patrocinador)	12.109,39
Contribuição à previdência oficial (Rendimentos recebidos acumuladamente)	0,00
Contribuição à prev. complementar, inclusive o valor para as fechadas de que trata o § 15 do art. 40 da CF/1988 que exceder o limite do patrocinador	0,00
Dependentes	0,00
Despesas com instrução	0,00
Despesas médicas	7.150,99
Pensão alimentícia judicial	0,00
Pensão alimentícia por escritura pública	0,00
Pensão alimentícia judicial (Rendimentos recebidos acumuladamente)	0,00
Livro caixa	0,00
TOTAL	19.260,38

IMPOSTO DEVIDO

Base de cálculo do imposto	106.058,24
Imposto devido	18.608,88
Dedução de incentivo	0,00
Imposto devido I	18.608,88
Imposto devido RRA	0,00
Aliquota efetiva (%)	14,84
Total do imposto devido	18.608,88

IMPOSTO PAGO

Imposto retido na fonte do titular	14.052,23
Imp. retido na fonte dos dependentes	0,00
Carnê-Leão do titular	0,00
Carnê-Leão dos dependentes	0,00
Imposto complementar	0,00
Imposto pago no exterior	0,00
Imposto retido na fonte (Lei nº 11.033/2004)	0,00
Imposto retido RRA	0,00
Total do imposto pago	14.052,23

IMPOSTO A RESTITUIR	0,00
SALDO DE IMPOSTO A PAGAR	4.556,65

PARCELAMENTO

Valor da quota	569,58
Número de Quotas	8

INFORMAÇÕES BANCÁRIAS

	Débito automático: SIM
	A partir da 2a quota
Banco	033
Agência (sem DV)	1889
Conta para débito	00001000319 4

PROTEGIDA POR SIGILO FISCAL

EVOLUÇÃO PATRIMONIAL

Bens e direitos em 31/12/2022	2.290.477,11
Bens e direitos em 31/12/2023	2.541.515,34
Dívidas e ônus reais em 31/12/2022	2.104.467,47
Dívidas e ônus reais em 31/12/2023	2.083.465,11

OUTRAS INFORMAÇÕES

Rendimentos isentos e não tributáveis	159.805,41
Rendimentos sujeitos à tributação exclusiva/definitiva	6.399,20
Rendimentos tributáveis - imposto com exigibilidade suspensa	0,00
Depósitos judiciais do imposto	0,00
Imposto pago sobre Ganhos de Capital	0,00
Imposto pago Ganhos de Capital Moeda Estrangeira - Bens, direitos e Aplicações Financeiras	0,00
Total do imposto retido na fonte (Lei nº11.033/2004), conforme dados informados pelo contribuinte	0,00
Imposto pago sobre Renda Variável	0,00
Doações a Partidos Políticos e Candidatos a Cargos Eletivos	0,00
Imposto a pagar sobre o Ganho de Capital - Moeda Estrangeira em Espécie	0,00
Imposto diferido dos Ganhos de Capital	0,00
Imposto devido sobre Ganhos de Capital	0,00
Imposto devido sobre ganhos líquidos em Renda Variável	0,00
Imposto devido sobre Ganhos de Capital Moeda Estrangeira - Bens, direitos e aplic. financeiras	0,00

PROTEGIDA POR SIGILO FISCAL

NAME: NIKOLAS DUARTE CALDEIRA BRANT
CPF: 012.713.876-54
ANNUAL ADJUSTMENT DECLARATION

INCOME TAX - INDIVIDUAL
TAX YEAR 2025 **CALENDAR YEAR 2024**

TAXPAYER IDENTIFICATION

Name:	NIKOLAS DUARTE CALDEIRA BRANT	CPF:	012.713.876-54
Date of Birth:	10/09/1983		
Do you have a spouse or partner?	Yes	CPF of the Spouse or partner:	083.471.996-71

Were you a resident abroad and became a resident in Brazil in 2024? No

Were there any changes to the registration details? No

Is one of the declarants a person with a serious illness or a physical or mental disability? No

Address:	RUA PROFESSOR MAGALHAES DRUMOND	Number:	157
Unit:	APT. 701	Neighborhood/District:	SANTO ANTONIO
City:	BELO HORIZONTE	State:	MG
ZIP Code:	03050-000	Area Code/Telephone:	
Email:	NIKOLAS5@HOTMAIL.COM	Area Code/Mobile:	(31) 98458-9510

Occupation Type: 11 - SELF-EMPLOYED OR FREELANCE PROFESSIONAL WITHOUT EMPLOYMENT TIES

Main Occupation: 225 - PHYSICIAN

Type of Declaration: Original Annual Adjustment Declaration

Receipt Number of the last declaration filed in the 2024 tax year: 13.98.77.71.21-63

DEPENDENTS

No Information

ALIMONY RECIPIENTS

No Information

TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE TAXPAYER

(Values in Reais)

NAME OF THE PAYING SOURCE	INCOME RECEIVED FROM LEGAL ENTITY	OFFICIAL SOCIAL SECURITY CONTRIBUTION	WITHHELD TAX	13th SALARY	INCOME TAX WITHHELD ON 13th SALARY
COOPERATIVA MEDICA DE ESPECIALIDADES LTDA CNPJ/CPF: 86.402.385/0001-39	1,151.03	230.20	0.00	0.00	0.00
ANGIOLOGIA LN LTDA CNPJ/CPF: 41.931.508/0001-90	32,904.00	3,619,44	0,00	0,00	0,00
HOSPITAL METROPOLITANO ODILON BEHRENS - HOB CNPJ/CPF: 16.692.121/0001-81	5,074.32	558.17	351.87	0.00	0.00
CECM DOS MEDICOS E PROF AREA DE SAUDE DO BRASIL LTDA CNPJ/CPF: 42.898.825/0001-15	768.17	0.00	0.00	0.00	0.00
TOTAL	39,897.52	4,407.81	351.87	0.00	0.00

TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY DEPENDENTS

No information

TAXABLE INCOME RECEIVED FROM INDIVIDUALS AND ABROAD BY THE TAXPAYER

No information

TAXABLE INCOME RECEIVED FROM INDIVIDUALS AND ABROAD BY DEPENDENTS

No information

EXEMPT AND NON-TAXABLE INCOME

(Values in Reais)

09. Profits and received dividends 44.51

Beneficiary	CPF	CNPJ of the Paying Source	Name of the Paying Source	Amount
Taxpayer	012.713.876-54	42.898.825/0001-15	CECM DOS MEDICOS E PROF AREA DE SAUDE DO BRASIL LTDA	44.51

99. Others 108.329,36

Beneficiary	CPF	CNPJ of the Paying Source	Name of the Paying Source	Description	Amount
Taxpayer	012.713.876-54	29.905.982/0001-42	ANGIOCLEAN CLINICA DE ANGIOLOGIA LTDA	DISTRIBUTED PROFIT	62,641.47
Taxpayer	012.713.876-54	41.931.508/0001-90	ANGIOLOGIA LN LTDA	DISTRIBUTED PROFIT	45,687.89

TOTAL 108.373,87

INCOME SUBJECT TO EXCLUSIVE/DEFINITIVE TAXATION

(Values in Reais)

06. Income from financial investments 918,66

Beneficiary	CPF	CNPJ of the Paying Source	Name of the Paying Source	Amount
Taxpayer	012.713.876-54	10.264.663/0001-77	BANCOSEGURO S A	12,22
Taxpayer	012.713.876-54	60.746.948/0001-12	BANCO BRADESCO S A	107,69
Taxpayer	012.713.876-54	90.400.888/0001-42	BANCO SANTANDER (BRASIL) SA	798.75

TOTAL 918,66

TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE TAXPAYER (TAX WITH SUSPENDED EXIGIBILITY)

No information

TAXABLE INCOME RECEIVED FROM LEGAL ENTITY BY THE DEPENDENTS (TAX WITH SUSPENDED EXIGIBILITY)

No information

TAXABLE INCOME FROM LEGAL ENTITY RECEIVED CUMULATIVELY BY THE TAXPAYER

No information

TAXABLE INCOME FROM LEGAL ENTITY RECEIVED CUMULATIVELY BY THE DEPENDENTS

No information

TAX PAID / WITHHELD

(Values in Reais)

01. Complementary Tax:	0,00
02. Tax paid abroad by the taxpayer and dependents	0,00
Tax due with income abroad	0,00
Tax due without income abroad	0,00
Difference to be considered for tax calculation (legal limit)	0,00
03. Income Tax Withheld at Source (Law 11.033/2004):	0,00
04. Income Tax Withheld at Source for the Taxpayer	351.87
05. Income Tax Withheld at Source for the Dependents	0,00
06. Taxpayer's Carnê-Leão	0,00
07. Dependent's Carnê-Leão	0,00

* CARNÊ-LEÃO - (Income tax that must be paid monthly, mandatorily, by individuals residing in Brazil who receive income from another individual or from abroad)

PAYMENTS MADE

(Values in Reais)

CODE	BENEFICIARY NAME	BENEFICIARY CPF/CNPJ	AMOUNT PAID	NON-DEDUCTABLE PORTION
Taxpayer				
26	VALEM ADMINISTRADORA DE BENEFICIOS LTDA	11.340.037/0001-85	7,812.28	0,00
Description:				
70	RYPE SPE 8 EMPREENDIMENTO IMOBILIARIO	17.321.866/0001-05	150.42	0,00
Description:				
70	KASI ADMINISTRADORA DE IMOVEIS LTDA.	17.547.593/0001-03	15,909.97	0,00
Description:				

DONATIONS MADE

No information

STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024?	No

GROUP	CODE	DISCLOSURE	STATUS ON 12/31/2023	STATUS ON 12/31/2024
01	11	RENUNCIATION OF USUFRUCT OF APARTMENT - ACQUIRED FROM CPF 959.930.536-15 AND OTHERS ON 12/02/2024 - AMOUNT R$ 84,937.68 - PARTICIPATION: 100.00% - REPORTED BY CNPJ 21.856.596/0001-04	0.00	84,937.68

105 - BRAZIL

Municipal Registration (IPTU): 80140220392

Address: AUGUSTO DE LIMA
Unit:
City: BELO HORIZONTE
Total Area: 0,0
Registered at the Registry Office: Yes
Registration: 12216

No.: 1135
Neighborhood: BARRO PRETO
State: MG ZIP Code: 30190-002
Acquisition Date: 12/02/2024

STATEMENTS OF ASSETS AND RIGHTS (Values in Reais)

Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024?	No

GROUP	CODE	DISCLOSURE	STATUS ON 12/31/2023	STATUS ON 12/31/2024
		Name of the Registry Office:		
01	11	APARTMENT 801, AT AVENIDA AUGUSTO DE LIMA, 1,135 , RECEIVED THROUGH DONATION AND ALL CHARGES PAID IN 2019 105 - BRAZIL Municipal Registration (IPTU): Address: AVENIDA AUGUSTO DE LIMA Unit: Apt. 801 City: SÃO BELO HORIZONTE Total Area: 106.6m² Registered at the Registry Office: Yes Registration: 12216 No.: 1,135 Neighborhood: CENTRO State: MG ZIP Code: 30190-002 Acquisition Date: / / Name of the Registry Office: 7th REAL ESTATE REGISTRY OFFICE OF BH/MG	60,000.00	60,000.00
01	11	APARTMENT ACQUIRED ON 10/27/2022 FROM PATRIMAR ENGENHARIA - CNPJ 23.236.821/0001-27 FOR THE AMOUNT OF R$ 1,800,000.00 105 - BRAZIL Municipal Registration (IPTU): Address: RUA PROFESSOR ARDUINO BOLIVAR Unit: APT. 303 City: SÃO BELO HORIZONTE Total Area: 0.0 Registered at the Registry Office: No.: 91 Neighborhood: SANTO ANTONIO State: MG ZIP Code: 30350-140 Acquisition Date: / /	1,800,000.00	1,800,000.00
01	15	PURCHASE AND SALE OF ROOM/UNIT - ACQUIRED FROM CNPJ 20.429.367/0001-32 ON 07/13/2023 - AMOUNT: R$ 506,732.52 - PARTICIPATION: 50.00% - REPORTED BY CNPJ 21.856.372/0001-94 105 - BRAZIL Municipal Registration (IPTU): Address: AVENIDA BARBACENA Unit: ROOM 523 City: SÃO BELO HORIZONTE Total Area: 0.0 Registered at the Registry Office: Yes No.: 600 Neighborhood: BARRO PRETO State: MG ZIP Code: 30190-134 Acquisition Date: 07/13/2023	0.00	325,820.63

STATEMENTS OF ASSETS AND RIGHTS (Values in Reais)

Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024?	No

GROUP	CODE	DISCLOSURE	STATUS ON 12/31/2023	STATUS ON 12/31/2024
02	01	VEHICLE MAKE HONDA CIVIC TOURING YEAR 2019/2020, ACQUIRED FROM THE DEALERSHIP BANZAI HONDA CONTORNO - CNPJ 09.181.897/0001-52 105 - BRAZIL RENAVAM (National Registry of Motor Vehicles): 01208387534	130,000.00	130,000.00
03	02	50% OF THE SHARE CAPITAL OF THE COMPANY NAMED ANGIOCLEAN - ANGIOLOGIA E DERMATOLOGIA LTDA. 105 - BRAZIL Asset or right belonging to: Taxpayer CPF: 012.713.876-54 CNPJ: 29.905.982/0001-42	5,000,00	5,000,00
03	02	50% OF THE SHARE CAPITAL OF THE COMPANY NAMED ANGIOLOGIA LN LTDA. 105 - BRAZIL Asset or right belonging to: Taxpayer CPF: 012.713.876-54 CNPJ: 41.931.508/0001-90	5,000,00	5,000,00
03	02	50% OF THE SHARE CAPITAL SICOOB CREDICOM 105 - BRAZIL Asset or right belonging to: Taxpayer CPF: 012.713.876-54 CNPJ: 42.898.825/0001-15	6,465,57	8,178,25
04	02	INVESTMENT IN FIXED INCOME BANCO BRADESCO 105 - BRAZIL Asset or right belonging to: Taxpayer CPF: 012.713.876-54 CNPJ: 60.746.948/0001-12	4,075,25	26,322,79
04	02	INVESTMENT IN FIXED INCOME SANTANDER 105 - BRAZIL Asset or right belonging to: Taxpayer CPF: 012.713.876-54 CNPJ: 90.400.888/0001-42	3,413,80	36,707,32
06	01	CHECKING ACCOUNT BANCO BRADESCO 105 - BRAZIL Asset or right belonging to: Taxpayer CPF: 007.485.782-77 CNPJ: 60.746.948/0001-12 Bank: 237 Branch: 0849 Account: 466932-0 Payment Account? No	1,00	1,00

STATEMENTS OF ASSETS AND RIGHTS

(Values in Reais)

Did you update the value of any real estate property and pay the capital gain tax by 12/16/2024 in accordance with Law No. 14.973/2024?	No

GROUP	CODE	DISCLOSURE	STATUS ON 12/31/2023	STATUS ON 12/31/2024
06	01	CHECKING ACCOUNT SICOOB CREDICOM	266,71	191,44

105 - BRAZIL

Asset or right belonging to: Taxpayer CPF: 007.485.782-77
CNPJ: 42.898.825/0001-15

Bank: 756 Branch: 4027 Account: 28915927-0 Payment Account? No

06	01	CHECKING ACCOUNT - ÁGORA CORRETORA DE TÍTULOS E VALORES MOBILIÁRIOS S.A.	7,81	7,81

105 - BRAZIL

Asset or right belonging to: Taxpayer CPF: 007.485.782-77
CNPJ: 60.746.948/0001-12

Bank: 237 Branch: 0849 Account: 466932-0 Paymanet Account? No

99	05	REAL ESTATE CONSORTIUM - GROUP 2066 - QUOTA 430, LETTER OF CREDIT AWARDED BUT NOT USED	23,625,87	335,179.00

105 - BRAZIL

CNPJ: 27.268.770/0001-76

99	05	REAL ESTATE CONSORTIUM - GROUP 2066 - QUOTA 201, LETTER OF CREDIT AWARDED BUT NOT USED	0,00	279,158.10

105 - BRAZIL

CNPJ: 27.268.770/0001-76

TOTAL	2,363.676,64	3,024,049.65

ENCUMBRANCES AND REAL LIABILITIES

(Values in Reais)

CODE	DISCLOSURE	STATUS ON 12/31/2022	STATUS ON 12/31/2023	AMOUNT PAID IN 2023
14	LOAN OBTAINED FROM MARIA ELIZABETH DUARTE - CPF 219.581.146-34	500.000.00	500.000.00	0,00
11	REAL ESTATE FINANCING WITH BANCO BRADESCO	1,283,465.11	1,249,131.81	160,731.98
14	LOAN OBTAINED FROM RINALDO EUDES DE SOUZA ALVES, CPF 298.097.976-72.	300,000.00	0.00	300,000.00
TOTAL		2,083,465.11	1,749,131.81	460,731.98

DONATIONS TO POLITICAL PARTIES AND CANDIDATES FOR ELECTIVE OFFICES

No information

STATEMENT OF RURAL ACTIVITY – BRAZIL

IDENTIFICATION DATA OF THE EXPLORED PROPERTY - BRAZIL

No information

INCOME AND EXPENSES - BRAZIL

No information

CALCULATION OF THE RESULT – BRAZIL

No information

LIVESTOCK ACTIVITY - BRAZIL

No information

ASSETS OF RURAL ACTIVITY - BRAZIL

No information

DEBTS RELATED TO RURAL ACTIVITY - BRAZIL

No information

STATEMENT OF RURAL ACTIVITY – ABROAD

IDENTIFICATION DATA OF THE EXPLORED PROPERTY - ABROAD

No information

INCOME AND EXPENSES - ABROAD

No information

CALCULATION OF THE RESULT – ABROAD

No information

LIVESTOCK ACTIVITY - ABROAD

No information

ASSETS OF RURAL ACTIVITY - ABROAD

No information

DEBTS RELATED TO RURAL ACTIVITY - ABROAD

No information

STATEMENT OF CAPITAL GAINS CALCULATION

No Information

VARIABLE INCOME - COMMON OPERATIONS/DAY TRADE – TAXPAYER

NET GAINS OR LOSSES - JAN

No information

NET GAINS OR LOSSES - FEB

No information

NET GAINS OR LOSSES - MAR

No information

NET GAINS OR LOSSES - APR

No information

NET GAINS OR LOSSES - MAY

No information

NET GAINS OR LOSSES - JUN

No information

NET GAINS OR LOSSES - JUL

No Information

NET GAINS OR LOSSES - AUG

No Information

NET GAINS OR LOSSES - SEP

No Information

NET GAINS OR LOSSES - OCT

No Information

NET GAINS OR LOSSES - NOV

No Information

NET GAINS OR LOSSES - DEC

No Information

VARIABLE INCOME - COMMON OPERATIONS/DAY TRADE - DEPENDENTS

No information

REAL ESTATE INVESTMENT FUNDS OR IN AGRO-INDUSTRIAL PRODUCTION CHAINS - TAXPAYER

No information

REAL ESTATE INVESTMENT FUNDS OR IN AGRO-INDUSTRIAL PRODUCTION CHAINS - DEPENDENTS

No information

DONATIONS DIRECTLY IN THE DECLARATION – ECA (STATUTE OF THE CHILD AND ADOLESCENT)

No Information

DONATIONS DIRECTLY IN THE DECLARATION - ELDERLY

No Information

SUMMARY — TAXATION USING THE LEGAL DEDUCTION

TAXABLE INCOME

Received from Legal Entity by the taxpayer	39,897.52
Received from Legal Entity by dependents	0,00
Received from Individual/Abroad by the taxpayer	0,00
Received from Individual/Abroad by Dependents	0,00
Received Cumulatively by the taxpayer	0,00
Received Cumulatively by dependents	0,00
Taxable Income from Rural Activity	0,00
TOTAL	39,897.52

DEDUCTIONS

Contributions to the official and closed complementary pension systems referred to in § 15 of Article 40 of the CF (Federal Constitution)/1988 (up to the sponsor limit)	4,407.81
Contribution to the official pension system (Income received cumulatively)	0,00
Contribution to the complementary pension system, including the amount for the closed systems referred to in Article 40, § 15, of the CF (Federal Constitution)/1988, which exceeds the sponsor's limit	0,00
Dependents	0.00
Education Expenses	0,00
Medical Expenses	7,812,28
Judicial Alimony	0,00
Alimony by Public Deed	0,00
Judicial Alimony (Income received cumulatively)	0,00
Cash Book	0,00
TOTAL	12.220,09

TAX DUE

Tax Base	27,677,43
Tax Due	53,56
Incentive Deduction	0,00
Tax Due I	53,56
Tax Due RRA (on received accumulated income)	0,00
Effective Tax Rate (%)	0,13
Total Tax Due	53,56

TAX PAID

Tax Withheld at Source by the Taxpayer	351.87
Tax Withheld at Source by Dependents	0,00
Taxpayer's Carnê-Leão	0,00
Dependents' Carnê-Leão	0,00
Complementary Tax	0,00
Tax Paid Abroad	0,00
Tax Withheld at Source (Law No. 11.033/2004)	0,00
Tax Withheld RRA	0,00
Total Tax Paid	351.87

TAX TO BE REFUNDED	298,31
BALANCE OF TAX PAYABLE	0.00

INSTALLMENT PLAN

Installment Amount	0.00
Number of Installments	0

BANKING INFORMATION

Account Type	Checking Account
Bank	237
Branch (without verification digit)	849
Account for credit	466932 0

ASSET EVOLUTION

Assets and Rights on 12/31/2023	2.363,676.64
Assets and Rights on 12/31/2024	3,024,049.65
Encumbrances and Real Liabilities on 12/31/2023	2,083,465.11
Encumbrances and Real Liabilities on 12/31/2024	1,749,131.81

OTHER INFORMATION

Exempt and non-taxable income	108.373.87
Income subject to exclusive/definitive taxation	918,66
Taxable income - tax with suspended liability	0.00
Judicial Deposits of Tax	0.00
Tax Paid on Capital Gains	0.00
Tax Paid on Capital Gains Foreign Currency - Assets, Rights, and Financial Investments	0.00
Total tax withheld at source (Law No. 11.033/2004), as per the data provided by the taxpayer	0.00
Tax Paid on Variable Income	0.00
Donations to Political Parties and Candidates for Elective Office	0.00
Tax Payable on Capital Gain - Foreign Currency in Cash	0.00
Deferred Tax on Capital Gains	0.00
Tax Due on Capital Gains	0.00
Tax Due on Net Income from Variable Income	0.00
Tax Due on Capital Gains in Foreign Currency - Assets, Rights, and Financial Investments	0.00

I, André Vinícius Inacio Penna Mello, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: November 4, 2025.

NOME: NIKOLAS DUARTE CALDEIRA BRANT
CPF: 012.713.876-54 **IMPOSTO SOBRE A RENDA - PESSOA FÍSICA**
DECLARAÇÃO DE AJUSTE ANUAL **EXERCÍCIO 2025** **ANO-CALENDÁRIO 2024**

IDENTIFICAÇÃO DO CONTRIBUINTE

Nome:	NIKOLAS DUARTE CALDEIRA BRANT	CPF:	012.713.876-54
Data de Nascimento:	09/10/1983		
Possui cônjuge ou companheiro(a)?	Sim	CPF do cônjuge ou companheiro(a):	083.471.996-71

Era residente no exterior e passou a ser residente no Brasil em 2024? Não

Houve alteração de dados cadastrais? Não

Um dos declarantes é pessoa com doença grave ou portadora de deficiência física ou mental? Não

Endereço:	RUA PROFESSOR MAGALHAES DRUMOND	Número:	157
Complemento:	AP 701	Bairro/Distrito:	SANTO ANTONIO
Município:	BELO HORIZONTE	UF:	MG
CEP:	30350-000	DDD/Telefone:	
E-mail:	NIKOLAS5@HOTMAIL.COM	DDD/Celular:	(31) 98458-9510

Natureza da Ocupação: 11 - PROFISSIONAL LIBERAL OU AUTÔNOMO SEM VÍNCULO DE EMPREGO

Ocupação Principal: 225 - MÉDICO

Tipo de declaração: Declaração de Ajuste Anual Original

Nº do recibo da última declaração entregue do exercício de 2024: 13.98.77.71.21-63

PROTEGIDA POR SIGILO FISCAL

DEPENDENTES

Sem Informações

ALIMENTANDOS

Sem Informações

RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELO TITULAR

(Valores em Reais)

NOME DA FONTE PAGADORA	REND. RECEBIDOS DE PES. JURÍDICA	CONTR. PREVID. OFICIAL	IMPOSTO RETIDO NA FONTE	13º SALÁRIO	IRRF SOBRE 13º SALÁRIO
COOPERATIVA MEDICA DE ESPECIALIDADES LTDA CNPJ/CPF: 86.402.385/0001-39	1.151,03	230,20	0,00	0,00	0,00
ANGIOLOGIA LN LTDA CNPJ/CPF: 41.931.508/0001-90	32.904,00	3.619,44	0,00	0,00	0,00
HOSPITAL METROPOLITANO ODILON BEHRENS - HOB CNPJ/CPF: 16.692.121/0001-81	5.074,32	558,17	351,87	0,00	0,00
CECM DOS MEDICOS E PROF AREA DE SAUDE DO BRASIL LTDA CNPJ/CPF: 42.898.825/0001-15	768,17	0,00	0,00	0,00	0,00
TOTAL	39.897,52	4.407,81	351,87	0,00	0,00

RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELOS DEPENDENTES

Sem Informações

RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA FÍSICA E DO EXTERIOR PELO TITULAR

Sem Informações

RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA FÍSICA E DO EXTERIOR PELOS DEPENDENTES

Sem Informações

RENDIMENTOS ISENTOS E NÃO TRIBUTÁVEIS

(Valores em Reais)

09. Lucros e dividendos recebidos 44,51

Beneficiário	CPF	CNPJ da Fonte Pagadora	Nome da Fonte Pagadora	Valor
Titular	012.713.876-54	42.898.825/0001-15	CECM DOS MEDICOS E PROF AREA DE SAUDE DO BRASIL LTDA	44,51

99. Outros 108.329,36

Beneficiário	CPF	CPF/CNPJ da Fonte Pagadora	Nome da Fonte Pagadora	Descrição	Valor
Titular	012.713.876-54	29.905.982/0001-42	ANGIOCLEAN CLINICA DE ANGIOLOGIA LTDA	LUCRO DISTRIBUIDO	62.641,47
Titular	012.713.876-54	41.931.508/0001-90	ANGIOLOGIA LN LTDA	LUCRO DISTRIBUIDO	45.687,89

TOTAL 108.373,87

RENDIMENTOS SUJEITOS À TRIBUTAÇÃO EXCLUSIVA / DEFINITIVA

(Valores em Reais)

06. Rendimentos de aplicações financeiras 918,66

Beneficiário	CPF	CNPJ da Fonte Pagadora	Nome da Fonte Pagadora	Valor
Titular	012.713.876-54	10.264.663/0001-77	BANCOSEGURO S A	12,22
Titular	012.713.876-54	60.746.948/0001-12	BANCO BRADESCO S A	107,69
Titular	012.713.876-54	90.400.888/0001-42	BANCO SANTANDER (BRASIL) SA	798,75

TOTAL 918,66

RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELO TITULAR (IMPOSTO COM EXIGIBILIDADE SUSPENSA)

Sem Informações

RENDIMENTOS TRIBUTÁVEIS RECEBIDOS DE PESSOA JURÍDICA PELOS DEPENDENTES (IMPOSTO COM EXIGIBILIDADE SUSPENSA)

Sem Informações

RENDIMENTOS TRIBUTÁVEIS DE PESSOA JURÍDICA RECEBIDOS ACUMULADAMENTE PELO TITULAR

Sem Informações

RENDIMENTOS TRIBUTÁVEIS DE PESSOA JURÍDICA RECEBIDOS ACUMULADAMENTE PELOS DEPENDENTES

Sem Informações

PROTEGIDA POR SIGILO FISCAL

NOME: NIKOLAS DUARTE CALDEIRA BRANT
CPF: 012.713.876-54 **IMPOSTO SOBRE A RENDA - PESSOA FÍSICA**
DECLARAÇÃO DE AJUSTE ANUAL **EXERCÍCIO 2025** **ANO-CALENDÁRIO 2024**

IMPOSTO PAGO / RETIDO

(Valores em Reais)

01. Imposto complementar	0,00
02. Imposto pago no exterior pelo titular e pelos dependentes	0,00
Imposto devido com os rendimentos no exterior	0,00
Imposto devido sem os rendimentos no exterior	0,00
Diferença a ser considerada para cálculo do imposto (limite legal)	0,00
03. Imposto sobre a renda na fonte (Lei 11.033/2004)	0,00
04. Imposto retido na fonte do titular	351,87
05. Imposto retido na fonte dos dependentes	0,00
06. Carnê-Leão do titular	0,00
07. Carnê-Leão dos dependentes	0,00

PAGAMENTOS EFETUADOS

(Valores em Reais)

CÓD.	NOME DO BENEFICIÁRIO	CPF/CNPJ DO BENEFICIÁRIO	VALOR PAGO	PARC. NÃO DEDUTÍVEL
Titular				
26	VALEM ADMINISTRADORA DE BENEFICIOS LTDA	11.340.037/0001-85	7.812,28	0,00
Descrição:				
70	RYPE SPE 8 EMPREENDIMENTO IMOBILIARIO	17.321.866/0001-05	150,42	0,00
Descrição:				
70	KASI ADMINISTRADORA DE IMOVEIS LTDA.	17.547.593/0001-03	15.909,97	0,00
Descrição:				

DOAÇÕES EFETUADAS

Sem Informações

DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024?	Não

GRUPO	CÓDIGO	DISCRIMINAÇÃO	SITUAÇÃO EM 31/12/2023	SITUAÇÃO EM 31/12/2024
01	11	RENUNCIA DE USUFRUTO DE APTO - ADQUIRIDO DE CPF 959.930.536-15 E OUTROS EM 02/12/2024 - VALOR: R$ 84.937,68 - PARTICIPACAO: 100.00% - INFORMADO POR CNPJ 21.856.596 /0001-04	0,00	84.937,68

105 - BRASIL

Inscrição Municipal (IPTU): 80140220392

Logradouro: AUGUSTO DE LIMA
Nº: 1135
Comp.:
Bairro: BARRO PRETO
Município: BELO HORIZONTE
UF: MG CEP: 30190-002
Área Total: 0,0
Data de Aquisição: 02/12/2024
Registrado no Cartório: Sim
Matrícula: 12216

PROTEGIDA POR SIGILO FISCAL

DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024?	Não

GRUPO	CÓDIGO	DISCRIMINAÇÃO	SITUAÇÃO EM 31/12/2023	SITUAÇÃO EM 31/12/2024
		Nome Cartório:		
01	11	APARTAMENTO 801, A AVENIDA AUGUSTO DE LIMA, 1.135, RECEBIDO ATRAVES DE DOACAO E PAGO TODOS OS ENCARCARGOS EM 2019	60.000,00	60.000,00
105 - BRASIL				
Inscrição Municipal (IPTU):				
Logradouro: AVENIDA AUGUSTO DE LIMA			Nº: 1.135	
Comp.: AP. 801			Bairro: CENTRO	
Município: BELO HORIZONTE			UF: MG CEP: 30190-002	
Área Total: 106,6 m²			Data de Aquisição: / /	
Registrado no Cartório: Sim			Nome Cartório: CARTORIO 7O OFICIO DE REGISTRO DE IMOVEIS BH/MG.	
Matrícula: 12216				
01	11	APARTAMENTO ADQUIRIDO EM 27/10/2022 DE PATRIMAR ENGENHARIA - CNPJ 23.236.821/0001-27 PELO VALOR DE R$ 1.800,00,00.	1.800.000,00	1.800.000,00
105 - BRASIL				
Inscrição Municipal (IPTU):				
Logradouro: RUA PROFESSOR ARDUINO BOLIVAR			Nº: 91	
Comp.: APTO 303			Bairro: SANTO ANTONIO	
Município: BELO HORIZONTE			UF: MG CEP: 30350-140	
Área Total: 0,0			Data de Aquisição: / /	
Registrado no Cartório:				
01	15	COMPRA E VENDA DE SALA/CONJUNTO - ADQUIRIDO DE CNPJ 20.429.367/0001-32 EM 13/07/2023 - VALOR: R$ 506.732,52 - PARTICIPACAO: 50.00% - INFORMADO POR CNPJ 21.856.372 /0001-94	325.820,63	253.366,26
105 - BRASIL				
Inscrição Municipal (IPTU):				
Logradouro: AVENIDA BARBACENA			Nº: 600	
Comp.: SALA 523			Bairro: BARRO PRETO	
Município: BELO HORIZONTE			UF: MG CEP: 30190-134	
Área Total: 0,0			Data de Aquisição: 13/07/2023	
Registrado no Cartório: Sim			Nome Cartório:	
Matrícula: 84656				

PROTEGIDA POR SIGILO FISCAL

NOME: NIKOLAS DUARTE CALDEIRA BRANT
CPF: 012.713.876-54 **IMPOSTO SOBRE A RENDA - PESSOA FÍSICA**
DECLARAÇÃO DE AJUSTE ANUAL **EXERCÍCIO 2025** **ANO-CALENDÁRIO 2024**

DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024?	Não

GRUPO	CÓDIGO	DISCRIMINAÇÃO	SITUAÇÃO EM 31/12/2023	SITUAÇÃO EM 31/12/2024
02	01	VEICULO MARCA HONDA CIVIC TOURING ANO 2019/2020, ADQUIRIDO DA CONCESSIONARIO BANZAI HONDA CONTORNO - CNPJ 09.181.897/0001-52 105 - BRASIL RENAVAM: 01208387534	130.000,00	130.000,00
03	02	50% DO CAPITAL SOCIAL DA EMPRESA DENOMINADA ANGIOCLEAN - ANGIOLOGIA E DERMATOLOGIA LTDA. 105 - BRASIL Bem ou direito pertencente ao: Titular CPF: 012.713.876-54 CNPJ: 29.905.982/0001-42	5.000,00	5.000,00
03	02	50% DO CAPITAL SOCIAL DA EMPRESA DENOMINADA ANGIOLOGIA LN LTDA. . 105 - BRASIL Bem ou direito pertencente ao: Titular CPF: 012.713.876-54 CNPJ: 41.931.508/0001-90	5.000,00	5.000,00
03	02	50% DO CAPITAL SOCIAL SICOOB CREDICOM 105 - BRASIL Bem ou direito pertencente ao: Titular CPF: 012.713.876-54 CNPJ: 42.898.825/0001-15	6.465,57	8.178,25
04	02	APLICACAO RENDA FIXA BANCO BRADESCO 105 - BRASIL Bem ou direito pertencente ao: Titular CPF: 012.713.876-54 CNPJ: 60.746.948/0001-12	4.075,25	26.322,79
04	02	APLICACAO RENDA FIXA SANTANDER 105 - BRASIL Bem ou direito pertencente ao: Titular CPF: 012.713.876-54 CNPJ: 90.400.888/0001-42	3.413,80	36.707,32
06	01	CONTA CORRENTE BANCO BRADESCO 105 - BRASIL Bem ou direito pertencente ao: Titular CPF: 012.713.876-54 CNPJ: 60.746.948/0001-12 Banco: 237 Agência: 0849 Conta: 466932-0 Conta Pagamento? Não	1,00	1,00

PROTEGIDA POR SIGILO FISCAL

DECLARAÇÃO DE BENS E DIREITOS

(Valores em Reais)

Atualizou o valor de algum bem imóvel e pagou o ganho de capital até 16/12/2024 de acordo com a Lei nº 14.973/2024?	Não

GRUPO	CÓDIGO	DISCRIMINAÇÃO	SITUAÇÃO EM 31/12/2023	SITUAÇÃO EM 31/12/2024
06	01	CONTA CORRENTE SICOOB CREDICOM 105 - BRASIL Bem ou direito pertencente ao: Titular CPF: 012.713.876-54 CNPJ: 42.898.825/0001-15 Banco: 756 Agência: 4027 Conta: 28915927-0 Conta Pagamento? Não	266,71	191,44
06	01	C/C - ÁGORA CORRETORA DE TÍTULOS E VALORES MOBILIARIOS S.A. 105 - BRASIL Bem ou direito pertencente ao: Titular CPF: 012.713.876-54 CNPJ: 74.014.747/0001-35 Banco: 237 Agência: 0849 Conta: 466932-0 Conta Pagamento? Não	7,81	7,81
99	05	CONSORCIO DE IMOVEIS - GRUPO 2066 - COTA 430, CARTA DE CREDITO CONTEMPLADA, MAS NÃO UTILIZADA. 105 - BRASIL CNPJ: 27.268.770/0001-76	23.625,87	335.179,00
99	05	CONSORCIO DE IMOVEIS - GRUPO 2066 - COTA 201, CARTA DE CREDITO CONTEMPLADA, MAS NÃO UTILIZADA. 105 - BRASIL CNPJ: 27.268.770/0001-76	0,00	279.158,10
TOTAL			2.363.676,64	3.024.049,65

DÍVIDAS E ÔNUS REAIS

(Valores em Reais)

CÓDIGO	DISCRIMINAÇÃO	SITUAÇÃO EM 31/12/2023	SITUAÇÃO EM 31/12/2024	VALOR PAGO EM 2024
14	EMPRESTIMO CONTRAIDO DE MARIA ELIZABETH DUARTE - CPF 219.581.146-34	500.000,00	500.000,00	0,00
11	FINANCIAMENTO IMOBILIARIO JUNTO AO BANCO BRADESCO.	1.283.465,11	1.249.131,81	160.731,98
14	EMPRESTIMO CONTRAIDO DE RINALDO EUDES DE SOUZA ALVES, CPF 298.097.976-72, QUITADO DURANTE O ANO DE 2024	300.000,00	0,00	300.000,00
TOTAL		2.083.465,11	1.749.131,81	460.731,98

DOAÇÕES A PARTIDOS POLÍTICOS E CANDIDATOS A CARGOS ELETIVOS

Sem Informações

PROTEGIDA POR SIGILO FISCAL

DEMONSTRATIVO DE ATIVIDADE RURAL - BRASIL

DADOS E IDENTIFICAÇÃO DO IMÓVEL EXPLORADO - BRASIL

Sem Informações

RECEITAS E DESPESAS - BRASIL

Sem Informações

APURAÇÃO DO RESULTADO - BRASIL

Sem Informações

MOVIMENTAÇÃO DO REBANHO - BRASIL

Sem Informações

BENS DA ATIVIDADE RURAL - BRASIL

Sem Informações

DÍVIDAS VINCULADAS À ATIVIDADE RURAL - BRASIL

Sem Informações

PROTEGIDA POR SIGILO FISCAL

DEMONSTRATIVO DE ATIVIDADE RURAL - EXTERIOR

DADOS E IDENTIFICAÇÃO DO IMÓVEL EXPLORADO - EXTERIOR

Sem Informações

RECEITAS E DESPESAS - EXTERIOR

Sem Informações

APURAÇÃO DO RESULTADO - EXTERIOR

Sem Informações

MOVIMENTAÇÃO DO REBANHO - EXTERIOR

Sem Informações

BENS DA ATIVIDADE RURAL - EXTERIOR

Sem Informações

DÍVIDAS VINCULADAS À ATIVIDADE RURAL - EXTERIOR

Sem Informações

DEMONSTRATIVO DA APURAÇÃO DOS GANHOS DE CAPITAL

Sem Informações

PROTEGIDA POR SIGILO FISCAL

RENDA VARIÁVEL - OPERAÇÕES COMUNS/DAYTRADE - TITULAR

GANHOS LÍQUIDOS OU PERDAS - JAN

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - FEV

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - MAR

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - ABR

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - MAI

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - JUN

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - JUL

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - AGO

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - SET

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - OUT

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - NOV

Sem Informações

GANHOS LÍQUIDOS OU PERDAS - DEZ

Sem Informações

RENDA VARIÁVEL - OPERAÇÕES COMUNS/DAYTRADE - DEPENDENTES

Sem Informações

FUNDOS DE INVESTIMENTO IMOBILIÁRIO OU NAS CADEIAS PRODUTIVAS AGROINDUSTRIAIS - TITULAR

Sem Informações

FUNDOS DE INVESTIMENTO IMOBILIÁRIO OU NAS CADEIAS PRODUTIVAS AGROINDUSTRIAIS - DEPENDENTES

Sem Informações

DOAÇÕES DIRETAMENTE NA DECLARAÇÃO - ECA

Sem Informações

DOAÇÕES DIRETAMENTE NA DECLARAÇÃO - IDOSO

Sem Informações

PROTEGIDA POR SIGILO FISCAL

NOME: NIKOLAS DUARTE CALDEIRA BRANT
CPF: 012.713.876-54 **IMPOSTO SOBRE A RENDA - PESSOA FÍSICA**
DECLARAÇÃO DE AJUSTE ANUAL **EXERCÍCIO 2025** **ANO-CALENDÁRIO 2024**

RESUMO — TRIBUTAÇÃO UTILIZANDO AS DEDUÇÕES LEGAIS

RENDIMENTOS TRIBUTÁVEIS

Recebidos de Pessoa Jurídica pelo titular	39.897,52
Recebidos de Pessoa Jurídica pelos dependentes	0,00
Recebidos de Pessoa Física/Exterior pelo titular	0,00
Recebidos de Pessoa Física/Exterior pelos dependentes	0,00
Recebidos acumuladamente pelo titular	0,00
Recebidos acumuladamente pelos dependentes	0,00
Resultado tributável da Atividade Rural	0,00
TOTAL	39.897,52

DEDUÇÕES

Contribuições às previdências oficial e complementar fechada de que trata o § 15 do art. 40 da CF/1988 (até o limite do patrocinador)	4.407,81
Contribuição à previdência oficial (Rendimentos recebidos acumuladamente)	0,00
Contribuição à prev. complementar, inclusive o valor para as fechadas de que trata o § 15 do art. 40 da CF/1988 que exceder o limite do patrocinador	0,00
Dependentes	0,00
Despesas com instrução	0,00
Despesas médicas	7.812,28
Pensão alimentícia judicial	0,00
Pensão alimentícia por escritura pública	0,00
Pensão alimentícia judicial (Rendimentos recebidos acumuladamente)	0,00
Livro caixa	0,00
TOTAL	12.220,09

IMPOSTO DEVIDO

Base de cálculo do imposto	27.677,43
Imposto devido	53,56
Dedução de incentivo	0,00
Imposto devido I	53,56
Imposto devido RRA	0,00
Aliquota efetiva (%)	0,13
Total do imposto devido	53,56

IMPOSTO A RESTITUIR 298,31
SALDO DE IMPOSTO A PAGAR 0,00

PARCELAMENTO

Valor da quota	0,00
Número de Quotas	0

IMPOSTO PAGO

Imposto retido na fonte do titular	351,87
Imp. retido na fonte dos dependentes	0,00
Carnê-Leão do titular	0,00
Carnê-Leão dos dependentes	0,00
Imposto complementar	0,00
Imposto pago no exterior	0,00
Imposto retido na fonte (Lei nº 11.033/2004)	0,00
Imposto retido RRA	0,00
Total do imposto pago	351,87

INFORMAÇÕES BANCÁRIAS

Tipo de Conta	Conta Corrente
Banco	237
Agência (sem DV)	849
Conta para crédito	466932 0

PROTEGIDA POR SIGILO FISCAL

NOME: NIKOLAS DUARTE CALDEIRA BRANT
CPF: 012.713.876-54 **IMPOSTO SOBRE A RENDA - PESSOA FÍSICA**
DECLARAÇÃO DE AJUSTE ANUAL **EXERCÍCIO 2025** **ANO-CALENDÁRIO 2024**

EVOLUÇÃO PATRIMONIAL

Bens e direitos em 31/12/2023	2.363.676,64
Bens e direitos em 31/12/2024	3.024.049,65
Dívidas e ônus reais em 31/12/2023	2.083.465,11
Dívidas e ônus reais em 31/12/2024	1.749.131,81

OUTRAS INFORMAÇÕES

Rendimentos isentos e não tributáveis	108.373,87
Rendimentos sujeitos à tributação exclusiva/definitiva	918,66
Rendimentos tributáveis - imposto com exigibilidade suspensa	0,00
Depósitos judiciais do imposto	0,00
Imposto pago sobre Ganhos de Capital	0,00
Imposto pago Ganhos de Capital Moeda Estrangeira - Bens, direitos e Aplicações Financeiras	0,00
Total do imposto retido na fonte (Lei nº11.033/2004), conforme dados informados pelo contribuinte	0,00
Imposto pago sobre Renda Variável	0,00
Doações a Partidos Políticos e Candidatos a Cargos Eletivos	0,00
Imposto a pagar sobre o Ganho de Capital - Moeda Estrangeira em Espécie	0,00
Imposto diferido dos Ganhos de Capital	0,00
Imposto devido sobre Ganhos de Capital	0,00
Imposto devido sobre ganhos líquidos em Renda Variável	0,00
Imposto devido sobre Ganhos de Capital Moeda Estrangeira - Bens, direitos e aplic. financeiras	0,00

PROTEGIDA POR SIGILO FISCAL

Ministry of Economy
Digital Government Secretariat
Department of Business Registration and Integration
State Secretariat of Finance of Minas Gerais

PROTOCOL No. (Use by the Commercial Registry)

NIRE – Business Registration Identification Number (for the headquarters or branch, when the headquarters is in another state)	Legal Nature Code	Auxiliary Agent of Commerce Registration Number
31211833024	2062	

1 - REQUEST

TO THE HONORABLE PRESIDENT OF THE Commercial Registry of the State of Minas Gerais

Name: ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA.
(of the Company or the Auxiliary Agent of Commerce)

FCN/REMP Number

MGP2000754633

Requests Your Honor to approve the following act:

NUMBER OF COPIES	ACT CODE	EVENT CODE	QUANTITY	DESCRIPTION OF THE ACT / EVENT
1	002			AMENDMENT
		2211	1	CHANGE OF ADDRESS WITHIN THE SAME DISTRICT
		2244	1	CHANGE OF ECONOMIC ACTIVITIES (PRINCIPAL AND SECONDARY)

BELO HORIZONTE
LOCATION

September 28, 2020
Date

Legal Representative of the Company / Agent of Commerce:
Name:_____
Signature:_____
Contact Phone:_____

2 – USE BY THE COMMERCIAL REGISTRY

☐ SINGLE DECISION ☐ COLLECTIVE DECISION

Business Name(s) Identical or Similar:

☐ YES ☐ YES

_____ _____
_____ _____
_____ _____
_____ _____
_____ _____

☐ NO __/__/____ _____ Date / Responsible

☐ NO __/__/____ _____ Date / Responsible

Process in Order To Decision

__/__/____ Date

_____ Responsible

SINGLE DECISION

☐ Process under the requirement. (See note on the attached page)
☐ Process Approved. Publish and file.
☐ Process Denied. Publish.

2nd Requirement	3rd Requirement	4th Requirement	5th Requirement
☐	☐	☐	☐

__/__/____ Date

_____ Responsible

COLLECTIVE DECISION

☐ Process under the requirement. (See note on the attached page)
☐ Process Approved. Publish and file.
☐ Process Denied. Publish.

2nd Requirement	3rd Requirement	4th Requirement	5th Requirement
☐	☐	☐	☐

__/__/____ Date

_____ Lay Judge
_____ Lay Judge
_____ Lay Judge
President of the __Panel

NOTES

Commercial Registry of the State of Minas Gerais
Certified registration under No. 8029579 on 09/29/2020 of the company ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA., NIRE 31211833024 and protocol 205903100 - 09/25/2020. Authentication: D23563A7826D751D1783EC83E8272C315537825, Marinely de Paula Bomfim - Secretary General. To validate this document, go to http://www.jucemg.mg.gov.br and enter protocol number 20/590.310-0 and security code Yij1. This copy was digitally authenticated and signed on 09/29/2020 by Marinely de Paula Bomfim - Secretary-General.

MARINELY DE PAULA BOMFIM
Secretary General

Commercial Registry of the State of Minas Gerais

Commercial Registry of the State of Minas Gerais
Digital Registration

Process Cover

Process Identification		
Protocol Number	Process Number Integrator Module	Date
20/590.310-0	MGP2000754633	09/25/2020

Signatory Identification	
CPF	Name
513.200.456-34	NILTON NONATO

Commercial Registry of the State of Minas Gerais
Certified registration under No. 8029579 on 09/29/2020 of the company ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA., NIRE 31211833024 and protocol 205903100 - 09/25/2020. Authentication: D23563A7826D751D1783EC83E8272C315537825, Marinely de Paula Bomfim - Secretary General. To validate this document, go to http://www.jucemg.mg.gov.br and enter protocol number 20/590.310-0 and security code Yij1. This copy was digitally authenticated and signed on 09/29/2020 by Marinely de Paula Bomfim, Secretary-General.

MARINELY DE PAULA BOMFIM
Secretary General

SECOND AMENDMENT TO ARTICLES OF ASSOCIATION

ANGIOCLEAN CLÍNICA DE ANGIOLOGIA LTDA. - MICROENTERPRISE
Address: Rua Barbacena, No. 600 – Room 523 - Barro Preto
Belo Horizonte/MG - Zip Code 30.190-134
Share Capital: R$10,000.00 (ten thousand reais).
CNPJ: 29.905.982/0001-42

LAURA REGINA RODRIGUES ALVES, Brazilian, married under the partial community property regime, physician, born on 08/09/1988, resident at Rua Professor Magalhães Drumond, No. 157 – Apt. 701 – Santo Antônio neighborhood, Belo Horizonte/MG, Zip Code 30350-000, holder of Identity Card MG-13.402.198 issued by SSP/MG, CPF 083.471.996-71, herein represented in this act by her attorney **Nilton Nonato**, Brazilian, divorced, accountant, holder of Identity Card MG-2.398.933 issued by SSP/MG, CPF 513.200.456-34, resident at Rua Cubatão, No. 497 – Renascença neighborhood, Belo Horizonte/MG - Zip Code 31130-630;

NIKOLAS DUARTE CALDEIRA BRANT, Brazilian, married under the partial community property regime, born on 10/09/1983, physician, resident at Rua Professor Magalhães Drumond, No. 157 – Apt. 701 – Santo Antônio neighborhood, Belo Horizonte/MG, Zip Code 30350-000, holder of Identity Card MG-12.880.666 issued by SSP/MG - CPF 012.713.876-54, herein represented in this act by his attorney **Nilton Nonato**, Brazilian, divorced, accountant, Identity Card - MG-2.398.933 issued by SSP/MG - CPF 513-200.456-34, resident at Rua Cubatão, No. 497 – Renascença neighborhood, Belo Horizonte/MG - Zip Code 31130-630;

The sole members of the limited liability company denominated "**ANGIOCLEAN – CLÍNICA DE ANGIOLOGIA LTDA. – ME**", duly registered with the Commercial Registry of the State of Minas Gerais – JUCEMG under No. 31211833024, dated 09/02/2020,

Hereby resolve, by mutual agreement, to amend said instrument in accordance with the following clauses and conditions:

CLAUSE I – CORPORATE NAME, REGISTERED OFFICE, AND TERM

The company, which was previously located at Rua Mariano do Abreu, No. 358 – Esplanada neighborhood – Belo Horizonte/MG, shall henceforth be located at Avenida Barbacena, No. 600 – Room 523 – Barro Preto neighborhood – Belo Horizonte/MG, Zip Code 30190-134, and its term of duration shall remain for an indefinite period.

In view of the above-mentioned amendment, the members resolve to consolidate the Articles of Association, which shall henceforth read as follows:

Commercial Registry of the State of Minas Gerais
Certified registration under No. 8029579 on 09/29/2020 of the company ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA., NIRE 31211833024 and protocol 205903100 - 09/25/2020. Authentication: D23563A7826D751D1783EC83E8272C315537825, Marinely de Paula Bomfim - Secretary General. To validate this document, go to http://www.jucemg.mg.gov.br and enter protocol number 20/590.310-0 and security code Yij1. This copy was digitally authenticated and signed on 09/29/2020 by Marinely de Paula Bomfim, Secretary-General.

MARINELY DE PAULA BOMFIM
Secretary General

CLAUSE I – CORPORATE NAME, REGISTERED OFFICE, AND TERM

The company shall operate under the corporate name **ANGIOCLEAN CLÍNICA DE ANGIOLOGIA LTDA.**, with its headquarters at Avenida Barbacena, No. 600 – Room 523 – Barro Preto, Belo Horizonte/MG – Zip Code 30190-134, and its term of duration shall be for an indefinite period.

CLAUSE II – CORPORATE PURPOSE

The company's activity shall consist of the provision of medical and hospital services, performance of complementary examinations, and medical procedures in clinics and hospitals.

CLAUSE III – SHARE CAPITAL

The Share Capital amounts to R$10,000.00 (ten thousand reais), represented by 10,000 (ten thousand) shares with a unit value of R$1.00 (one real) each, subscribed and paid in at this act in legal tender of the country, distributed among the shareholders as follows:

NAME	NO. OF SHARES	UNIT VALUE	TOTAL VALUE
LAURA REGINA RODRIGUES ALVES	5,000	R$ 1.00	R$ 5,000.00
NIKOLAS DUARTE CALDEIRA BRANT	5,000	R$ 1.00	R$ 5,000.00
TOTAL	10,000		R$ 10,000.00

CLAUSE IV – JOINT LIABILITY

The liability of the partners is limited to the value of their shares, but all are jointly liable for the full payment of the share capital, pursuant to Article 1,052, paragraph 1 of the Brazilian Civil Code (Law No. 10,406/2002).

CLAUSE V – DECLARATION OF ELIGIBILITY

The partners hereby declare, under penalty of law, that they are not subject to any legal restrictions preventing them from engaging in this activity.

CLAUSE VI – MANAGEMENT OF THE COMPANY

The management of the company shall be carried out by bothpartners, who are hereby granted powers to sign individually all documents of the company, being responsible for its judicial and extrajudicial representation, as well as before financial and banking institutions, suppliers and clients in general, public agencies and authorities at the federal, state, and municipal levels, and in all relations with third parties.

CLAUSE VII – WITHDRAWAL OF A SALARY

Both partners shall be entitled to a monthly withdrawal as compensation (salary), within the limits set by income tax legislation, such amounts to be debited to the Administrative Expenses account.

CLAUSE VIII – FISCAL YEAR

The fiscal year shall end on December 31 of each year. At the end of the fiscal year, the balance sheet shall be drawn up, together with the profit and loss statement.

Commercial Registry of the State of Minas Gerais
Certified registration under No. 8029579 on 09/29/2020 of the company ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA., NIRE 31211833024 and protocol 205903100 - 09/25/2020. Authentication: D23563A7826D751D1783EC83E8272C315537825, Marinely de Paula Bomfim - Secretary General. To validate this document, go to http://www.jucemg.mg.gov.br and enter protocol number 20/590.310-0 and security code Yij1. This copy was digitally authenticated and signed on 09/29/2020 by Marinely de Paula Bomfim - Secretary-General.
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Secretary General
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SOLE PARAGRAPH: Should the company's balance sheet show profits, these shall be distributed among the partners in proportion to their respective shares; likewise, should the balance sheet show losses, these shall be borne by the partners in the same proportion of their shares. The partners' liability is limited, but they are jointly liable for the share capital, pursuant to Article 1,055, paragraph 1 of Law No. 10,406/2002 (Brazilian Civil Code).

CLAUSE IX – TRANSFER OF SHARES

No partner may assign or transfer to third parties, whether in whole or in part, his or her shares without the express consent of the other partner, under penalty of nullity of such transfer.

CLAUSE X – SUCCESSION

The company shall not be dissolved due to the death or interdiction of any partners. The heirs of the deceased or interdicted shareholder may remain in the company or have their equity rights settled through a balance sheet to be drawn up on the date of the event; in this case, the settlement of such credits shall be made in twelve (12) equal and successive monthly installments.

CLAUSE XI – PROFITS AND/OR LOSSES

The profits or losses ascertained in the balance sheet prepared at the end of the fiscal year shall be distributed among the partners in proportion to their share capital, and they may choose to increase the capital with such profits or offset the losses in future fiscal years.

CLAUSE XII – BRANCHES AND OTHER ESTABLISHMENTS

The company may, at any time, establish branches and other establishments in Brazil or abroad, by act of management or by resolution of the partners.

CLAUSE XIII – SUPPLEMENTARY GOVERNING LAW

Pursuant to Article 1,053 and its sole paragraph of the Brazilian Civil Code (Law No. 10,406/2002), in the absence of specific legislation or contractual provisions, the Limited Liability Company shall be governed by the rules applicable to the Simple Partnership and, optionally, by supplementary application of the rules governing Corporations.

CLAUSE XIV – JURISDICTION

The partners elect the Courts of the District of Belo Horizonte/MG as the sole jurisdiction competent to settle any disputes that may arise from the interpretation of this instrument.

In witness whereof, the parties, having so agreed and contracted, execute this instrument in three (3) counterparts of equal form and content.

Belo Horizonte/MG, September 24, 2020.

_____

– LAURA REGINA RODRIGUES ALVES

_____

– NIKOLAS DUARTE CALDEIRA BRANT

Commercial Registry of the State of Minas Gerais
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MARINELY DE PAULA BOMFIM
Secretary General

Commercial Registry of the State of Minas Gerais
Digital Registration

Main Document

Process Identification		
Protocol Number	Process Number Integrator Module	Date
20/590.310-0	MGP2000754633	09/25/2020

Signatory Identification	
CPF	Name
513.200.456-34	NILTON NONATO

Commercial Registry of the State of Minas Gerais
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MARINELY DE PAULA BOMFIM
Secretary General

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ELECTRONIC POWER OF ATTORNEY

(referred to in Resolution RP No. 04/2015 of the Plenary of JUCEMG, dated 10/08/2015)
(with powers to request the filing of corporate acts)

GRANTORS:

LAURA REGINA RODRIGUES ALVES, Brazilian, married under the partial community property regime, physician, born on 08/09/1988, holder of Identity Card MG-13.402.198 issued by SSP/MG, CPF 083.471.996-71, resident at Rua Professor Magalhães Drumond, No. 157 – Apt. 701 – Santo Antônio neighborhood, Belo Horizonte/MG – Zip Code 30350-000, e-mail: laura788@gmail.com

NIKOLAS DUARTE CALDEIRA BRANT, Brazilian, married under the partial community property regime, physician, born on 10/09/1983, holder of Identity Card MG-12.880.666 issued by SSP/MG, CPF 012.713.876-54, resident at Rua Professor Magalhães Drumond, No. 157 – Apt. 701 – Santo Antônio neighborhood, Belo Horizonte/MG – Zip Code 30350-000, e-mail: nikolas5@hotmail.com

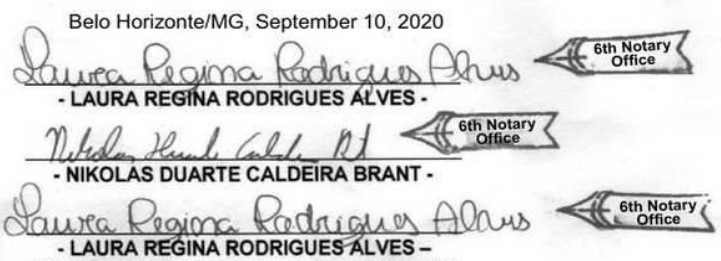
ANGIOCLEAN CLÍNICA DE ANGIOLOGIA LTDA. – ME, registered with JUCEMG under NIRE 31211833024, CNPJ No. 29.905.982/0001-42, with registered office at Rua Mariano de Abreu, No. 358 – Esplanada neighborhood, Belo Horizonte/MG – Zip Code 30280-100, e-mail: laura788@gmail.com, herein represented by its legal representative **LAURA REGINA RODRIGUES ALVES**, Brazilian, married under the partial community property regime, physician, born on 08/09/1988, holder of Identity Card MG-13.402.198 issued by SSP/MG, CPF 083.471.996-71, resident at Rua Professor Magalhães Drumond, No. 157 – Apt. 701 – Santo Antônio neighborhood, Belo Horizonte/MG – Zip Code 30350-000, e-mail: laura788@gmail.com

GRANTEE:

NILTON NONATO, Brazilian, married, accountant, holder of Identity Card MG-2.398.933 issued by SSP/MG, CPF 513.200.456-34, resident at Rua Cubatão, No. 497 – House – Renascença neighborhood, Belo Horizonte/MG – Zip Code 31130-630, e-mail: organnonato@yahoo.com.br

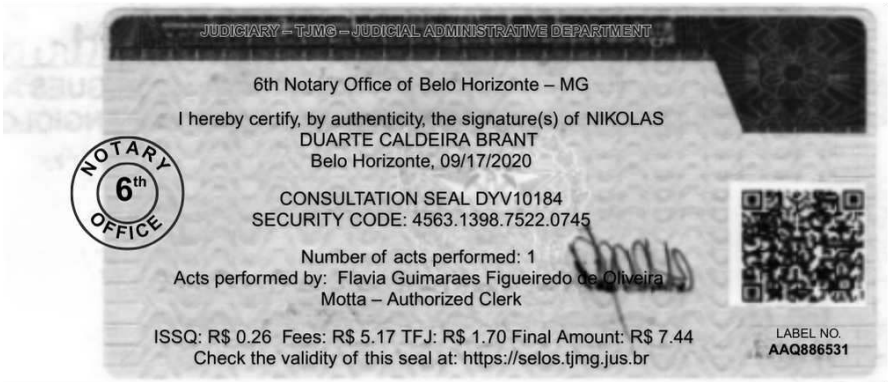
By this private instrument, the grantors appoint the grantee as attorney-in-fact, to whom they grant specific powers to sign petitions/process coversheets and corporate amendment acts of the Company, including the change of address to Avenida Barbacena, No. 600 – Room 523 – Barro Preto, Belo Horizonte/MG – Zip Code 30190-134, as well as the declaration required by Article 1,011 of Law No. 10,406/2002 (Brazilian Civil Code) on behalf of the grantors, to be filed with the Commercial Registry of the State of Minas Gerais – JUCEMG. The attorney-in-fact is further authorized to sign all documents required for the processing of such acts, using digital certification, it being expressly prohibited to sub-delegate the powers hereby granted.





Commercial Registry of the State of Minas Gerais
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MARINELY DE PAULA BOMFIM
Secretary General



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MARINELY DE PAULA BOMFIM
Secretary General

Commercial Registry of the State of Minas Gerais

Commercial Registry of the State of Minas Gerais
Digital Registration

Annex

Process Identification		
Protocol Number	Process Number Integrator Module	Date
20/590.310-0	MGP2000754633	09/25/2020

Signatory Identification	
CPF	Name
513.200.456-34	NILTON NONATO

Commercial Registry of the State of Minas Gerais
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MARINELY DE PAULA BOMFIM
Secretary General

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Commercial Registry of the State of Minas Gerais

National System of Business Registry – SINREM
Government of the State of Minas Gerais
State Secretariat of Finance of Minas Gerais
Commercial Registry of the State of Minas Gerais

TERM OF AUTHENTICATION – DIGITAL REGISTRATION

I certify that the act, digitally signed, of the company ANGIOCLEAN – CLÍNICA DE ANGIOLOGIA LTDA., with NIRE 3121183302-4 and filed under number 20/590.310-0 on 09/25/2020, is recorded with the Commercial Registry under number 8029579, on 09/29/2020. The act was electronically approved by examiner Raquel Vicente Coelho.

The registration is certified by the Secretary-General, Marinely de Paula Bomfim. For validation, access the electronic website of the Services Portal / Validate Documents (https://portalservicos.jucemg.mg.gov.br/Portal/pages/imagemProcesso/viaUnica.jsf) and enter the protocol number and security key.

Process Cover

Signatory(ies)	
CPF	Name
513.200.456-34	NILTON NONATO

Main Document

Signatory(ies)	
CPF	Name
513.200.456-34	NILTON NONATO

Annex

Signatory(ies)	
CPF	Name
513.200.456-34	NILTON NONATO

Belo Horizonte, Tuesday, September 29, 2020

This document was electronically signed by Raquel Vicente Coelho, Public Servant, on 09/29/2020, at 11:26 a.m., official Brasília time.

The authenticity of this document may be verified on the JUCEMG services portal by entering protocol number 20/590.310-0.

Commercial Registry of the State of Minas Gerais
Certified registration under No. 8029579 on 09/29/2020 of the company ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA., NIRE 31211833024 and protocol 205903100 - 09/25/2020. Authentication: D23563A7826D751D1783EC83E8272C315537825, Marinely de Paula Bomfim - Secretary General. To validate this document, go to http://www.jucemg.mg.gov.br and enter protocol number 20/590.310-0 and security code Yij1. This copy was digitally authenticated and signed on 09/29/2020 by Marinely de Paula Bomfim, Secretary-General.

MARINELY DE PAULA BOMFIM
Secretary General

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Commercial Registry of the State of Minas Gerais

Commercial Registry of the State of Minas Gerais
Digital Registration

The act was approved and digitally signed by:

Identification of Signer(s)	
CPF	Name
873.638.956-00	MARINELY DE PAULA BOMFIM

Belo Horizonte. Tuesday, September 29, 2020

Commercial Registry of the State of Minas Gerais
Certified registration under No. 8029579 on 09/29/2020 of the company ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA., NIRE 31211833024 and protocol 205903100 - 09/25/2020. Authentication: D23563A7826D751D1783EC83E8272C315537825, Marinely de Paula Bomfim - Secretary General. To validate this document, go to http://www.jucemg.mg.gov.br and enter protocol number 20/590.310-0 and securitv code Yij1. This copy was digitally authenticated and signed on 09/29/2020 by Marinely de Paula Bomfim, Secretary-General.

MARINELY DE PAULA BOMFIM
Secretary General

I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English, as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.

Marina Viana
_____ **Date: September 1, 2025.**

Ministério da Economia
Secretaria de Governo Digital
Departamento Nacional de Registro Empresarial e Integração
Secretaria de Estado de Fazenda de Minas Gerais

Nº DO PROTOCOLO (Uso da Junta Comercial)

NIRE (da sede ou filial, quando a sede for em outra UF)	Código da Natureza Jurídica	Nº de Matrícula do Agente Auxiliar do Comércio
31211833024	2062	

1 - REQUERIMENTO

ILMO(A). SR.(A) PRESIDENTE DA Junta Comercial do Estado de Minas Gerais

Nome: ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA.
(da Empresa ou do Agente Auxiliar do Comércio)

Nº FCN/REMP
MGP2000754633

requer a V.Sª o deferimento do seguinte ato:

Nº DE VIAS	CÓDIGO DO ATO	CÓDIGO DO EVENTO	QTDE	DESCRIÇÃO DO ATO / EVENTO
1	002			ALTERACAO
		2211	1	ALTERACAO DE ENDERECO DENTRO DO MESMO MUNICIPIO
		2244	1	ALTERACAO DE ATIVIDADES ECONOMICAS (PRINCIPAL E SECUNDARIAS)

BELO HORIZONTE
Local

28 Setembro 2020
Data

Representante Legal da Empresa / Agente Auxiliar do Comércio:
Nome: _____
Assinatura: _____
Telefone de Contato: _____

2 - USO DA JUNTA COMERCIAL

☐ DECISÃO SINGULAR ☐ DECISÃO COLEGIADA

Nome(s) Empresarial(ais) igual(ais) ou semelhante(s):

☐ SIM
_____
_____
_____
_____
_____

☐ NÃO ___/___/_____ _____
Data Responsável

☐ SIM
_____
_____
_____
_____
_____

☐ NÃO ___/___/_____ _____
Data Responsável

Processo em Ordem
À decisão

___/___/_____
Data

_____
Responsável

DECISÃO SINGULAR

☐ Processo em exigência. (Vide despacho em folha anexa)
☐ Processo deferido. Publique-se e arquive-se.
☐ Processo indeferido. Publique-se.

2ª Exigência	3ª Exigência	4ª Exigência	5ª Exigência
☐	☐	☐	☐

___/___/_____ _____
Data Responsável

DECISÃO COLEGIADA

☐ Processo em exigência. (Vide despacho em folha anexa)
☐ Processo deferido. Publique-se e arquive-se.
☐ Processo indeferido. Publique-se.

2ª Exigência	3ª Exigência	4ª Exigência	5ª Exigência
☐	☐	☐	☐

___/___/_____ _____ _____ _____
Data Vogal Vogal Vogal

Presidente da _____ Turma

OBSERVAÇÕES

Junta Comercial do Estado de Minas Gerais
Certifico registro sob o nº 8029579 em 29/09/2020 da Empresa ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA., Nire 31211833024 e protocolo 205903100 - 25/09/2020. Autenticação: D23563A7826D751D17[illegible]8272C315537825. Marinely de Paula Bomfim - Secretária-Geral. Para validar este documento, acesse http://www.jucemg.mg.gov.br e ir[illegible]º do protocolo 20/590.310-0 e o código de segurança Yij1 Esta cópia foi autenticada digitalmente e assinada em 29/09/2020 por Marinely de Paula Bomfim – Secretária-Geral.
MARINELY DE PAULA BOMFIM SECRETÁRIA GERAL

Junta Comercial do Estado de Minas Gerais

JUNTA COMERCIAL DO ESTADO DE MINAS GERAIS

Registro Digital

Capa de Processo

Identificação do Processo		
Número do Protocolo	Número do Processo Módulo Integrador	Data
20/590.310-0	MGP2000754633	25/09/2020

Identificação do(s) Assinante(s)	
CPF	Nome
513.200.456-34	NILTON NONATO

Junta Comercial do Estado de Minas Gerais
Certifico registro sob o nº 8029579 em 29/09/2020 da Empresa ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA., Nire 31211833024 e protocolo 205903100 - 25/09/2020. Autenticação: D23563A7826D751D17[illegible]8272C315537825. Marinely de Paula Bomfim - Secretária-Geral. Para validar este documento, acesse http://www.jucemg.mg.gov.br e ir[illegible]º do protocolo 20/590.310-0 e o código de segurança Yij1 Esta cópia foi autenticada digitalmente e assinada em 29/09/2020 por Marinely de Paula Bomfim – Secretária-Geral.

SEGUNDA ALTERAÇÃO CONTRATUAL

ANGIOCLEAN – CLINICA DE ANGIOLOGIA LTDA. - ME
Endereço: Rua Barbacena, 600 – Sala 523 - Barro Preto
Belo Horizonte/MG. - Cep. 30.190-134
Capital: R$ 10.000,00 (Dez mil reais).
CNPJ: 29.905.982/0001-42

LAURA REGINA RODRIGUES ALVES, brasileira, casada no regime de comunhão parcial de bens, médica, nascida aos 09/08/1988, residente e domiciliada à rua Professor Magalhães Drumond, 157 – Ap. 701 – bairro Santo Antônio em Belo Horizonte/MG. – Cep. 30.350-000, portador da Carteira de Identidade MG- 13.402.198, expedida pela SSP/MG – CPF 083.471.996-71, representado neste ato por seu procurador **Nilton Nonato**, brasileiro, divorciado, Contador, C.I. – MG- 2.398.933, expedida pela SSP/MG. – CPF 513-200.456-34, residente e domiciliado a rua Cubatão, 497 – Renascença em Belo Horizonte/MG. – Cep. 31.130-630.

NIKOLAS DUARTE CALDEIRA BRANT, brasileiro, casado no regime de comunhão parcial de bens, nascido aos 09/10/1983, médico, residente e domiciliada à rua Professor Magalhães Drumond, 157 – Ap. 701 – bairro Santo Antônio em Belo Horizonte/MG. – Cep. 30.350-000, portador da Carteira de Identidade MG- 12.880.666, expedida pela SSP/MG – CPF 012.713.876-54, representado neste ato por seu procurador **Nilton Nonato**, brasileiro, divorciado, Contador, C.I. – MG- 2.398.933, expedida pela SSP/MG. – CPF 513-200.456-34, residente e domiciliado a rua Cubatão, 497 – Renascença em Belo Horizonte/MG. – Cep. 31.130-630.

Únicos componentes da Sociedade Simples Limitada, denominada **"ANGIOCLEAN – CLINICA DE ANGIOLOGIA LTDA. - ME"**, firma devidamente inscrita na Junta Comercial do Estado de Minas Gerais - JUCEMG, sob o nº 31211833024, datada de 02/09/2020,

Resolvem de comum acordo alterar dito instrumento, conforme cláusulas e condições seguintes:

CLAUSULA - I – DA DENOMINAÇÃO SOCIAL, SEDE E PRAZO

A sociedade que antes era a rua Mariano do Abreu, 358 – bairro Esplanada em Belo Horizonte/MG., a partir deste ato passa a ser à Avenida Barbacena, 600 – Sala 523 – Barro Preto em Belo Horizonte/MG.- Cep. 30.190-134 e seu prazo de duração continua por tempo indeterminado.

Tendo em vista a alteração acima mencionada, os sócios deliberam consolidar o Contato Social que passará a ter a seguinte redação:

Junta Comercial do Estado de Minas Gerais
Certifico registro sob o nº 8029579 em 29/09/2020 da Empresa ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA., Nire 31211833024 e protocolo 205903100 - 25/09/2020. Autenticação: D23563A7826D751D17[illegible]8272C315537825. Marinely de Paula Bomfim - Secretária-Geral. Para validar este documento, acesse http://www.jucemg.mg.gov.br e ir[illegible]º do protocolo 20/590.310-0 e o código de segurança Yij1 Esta cópia foi autenticada digitalmente e assinada em 29/09/2020 por Marinely de Paula Bomfim – Secretária-Geral.
MARINELY DE PAULA BOMFIM SECRETÁRIA GERAL

CONSOLIDAÇÃO DO CONTRATO SOCIAL

CLAUSULA - I – DA DENOMINAÇÃO SOCIAL, SEDE E PRAZO

A sociedade girará sob a denominação social de "**ANGIOCLEAN – CLINICA DE ANGIOLOGIA LTDA.**", com sede à Avenida Barbacena, 600 – Sala 523 – Barro Preto em Belo Horizonte/MG. – Cep. 30.190-134 e seu prazo de duração é por tempo indeterminado

CLÁUSULA - II - DOS OBJETIVOS SOCIAIS

A atividade da sociedade será a prestação de serviços médicos hospitalares, realização de exames complementares e procedimentos médicos em clínicas e hospitais.

CLÁUSULA - III - DO CAPITAL SOCIAL

O Capital Social é de R$ 10.000,00 (Dez mil reais), representado por 10.000 (Dez mil) cotas no valor de R$ 1,00 (Hum real) cada uma, subscritas e integralizadas neste ato em moeda corrente do País, distribuído entre os cotistas na seguinte proporção:

NOME	N. QUOTAS	VR. UNIT.	TOTAL
LAURA REGINA RODRIGUES ALVES	5.000	R$ 1,00	R$ 5.000,00
NIKOLAS DUARTE CALDEIRA BRANT	5.000	R$ 1,00	R$ 5.000,00
TOTAL	10.000		R$ 10.000,00

CLÁUSULA - IV - DA RESPONSABILIDADE SOLIDÁRIA

A responsabilidade dos sócios é, restrita ao valor de suas quotas, mas todas respondem solidariamente pela integralização do capital social, nos termos do artigo 1052, parágrafo 1º do NCC/02.

CLÁUSULA – V - DA DECLARAÇÃO DE DESIMPEDIMENTO

Os sócios declaram sob as penas da lei não estarem incursos nas proibições previstas em lei para exercer esta atividade.

CLÁUSULA - VI - DA ADMINISTRAÇÃO DA SOCIEDADE

A administração da sociedade ficará a cargo de ambos os sócios, aos quais serão delegados poderes para assinarem isoladamente em todos os documentos da sociedade, cabendo aos mesmos a representação Judicial ou extra-judicial, bem como perante as instituições financeiras e bancárias, fornecedores e clientes em geral, autarquias e demais repartições Públicas, Federais, Estaduais e Municipais, enfim em todas as relações junto a terceiros;

CLÁUSULA - VII - DA RETIRADA DE PRÓ-LABORE

Ambos os sócios terão direito a uma retirada mensal a título de Pró-Labore, dentro dos limites da legislação do Imposto de Renda, importância esta que será levada a débito da conta Despesas Administrativas;

CLÁUSULA – VIII – DO EXERCÍCIO SOCIAL

O exercício social encerrar-se-á em 31 (trinta e um) de dezembro de cada ano. Encerrado o exercício social, proceder-se-á ao levantamento do balanço geral, bem como da demonstração da conta lucros e perdas.

Junta Comercial do Estado de Minas Gerais
Certifico registro sob o nº 8029579 em 29/09/2020 da Empresa ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA., Nire 31211833024 e protocolo 205903100 - 25/09/2020. Autenticação: D23563A7826D751D178[illegible]8272C315537825. Marinely de Paula Bomfim - Secretária-Geral. Para validar este documento, acesse http://www.jucemg.mg.gov.br e ir[illegible]º do protocolo 20/590.310-0 e o código de segurança Yij1 Esta cópia foi autenticada digitalmente e assinada em 29/09/2020 por Marinely de Paula Bomfim – Secretária-Geral.
MARINELY DE PAULA BOMFIM SECRETÁRIA GERAL

PARÁGRAFO ÚNICO: O balanço da sociedade acusando lucros, estes serão distribuídos pelos sócios na proporção das cotas de cada um, assim como se o balanço apresentar prejuízos, serão suportados pelos sócios na mesma proporção de suas cotas. A responsabilidade dos sócios é limitada, mas respondem solidariamente pelo capital social, nos termos do Art. 1.055 da Lei 10.406/2, parágrafo 1º do NCC/02.

CLÁUSULA - IX - DA TRANSFERÊNCIA DE COTAS

Nenhum quotista poderá ceder ou transferir a terceiros parte ou a totalidade de suas cotas sociais, sem expressa anuência do outro, sob pena de ineficácia da cessão;

CLÁUSULA -X - DA SUCESSÃO

A sociedade não dissolverá por morte ou interdição de qualquer dos sócios. Os herdeiros do falecido ou interditado, poderão permanecer na sociedade ou ter seus haveres apurados em balanço patrimonial a ser apurado na data do evento, e neste caso, a liquidação desses créditos serão pagos em 12 (doze) parcelas mensais iguais e sucessivamente;

CLÁUSULA - XI - DOS LUCROS E/OU PREJUÍZOS

Os lucros ou prejuízos apurados em balanço a ser realizado após o término do exercício social, serão distribuídos entre os sócios na proporção do capital social, podendo os mesmos optarem pelo aumento de capital utilizando estes lucros, e, compensar os prejuízos em exercícios futuros;

CLÁUSULA - XII - FILIAIS E OUTRAS DEPENDÊNCIAS

A sociedade poderá, a qualquer tempo, abrir filiais e outros estabelecimentos no País ou fora dele, por ato de sua gerência ou por deliberações dos sócios;

CLÁUSULA – XIII – REGÊNCIA SUPLETIVA

Conforme determina o Art. 1053 e seu parágrafo único do NCC/02, nas omissões da legislação específica ou do contrato a Sociedade Limitada rege-se pelas normas de Sociedade Simples e facultativamente a regência supletiva pelas normas e Sociedade Anônimas.

CLÁUSULA - XIV - DO FÔRO

Elegem o fôro da Comarca de Belo Horizonte/MG., como único competente para dirimir quaisquer dúvidas que possam surgir com a interpretação do presente instrumento.

E por estarem assim justos e contratados, assinam o presente instrumento em 03 (três) vias de igual teor e forma.

Belo Horizonte/MG., 24 de Setembro de 2020.

_____

- LAURA REGINA RODRIGUES ALVES -

_____

- NIKOLAS DUARTE CALDEIRA BRANT –

Junta Comercial do Estado de Minas Gerais
Certifico registro sob o nº 8029579 em 29/09/2020 da Empresa ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA., Nire 31211833024 e protocolo 205903100 - 25/09/2020. Autenticação: D23563A7826D751D17[illegible]8272C315537825. Marinely de Paula Bomfim - Secretária-Geral. Para validar este documento, acesse http://www.jucemg.mg.gov.br e ir[illegible]º do protocolo 20/590.310-0 e o código de segurança Yij1 Esta cópia foi autenticada digitalmente e assinada em 29/09/2020 por Marinely de Paula Bomfim – Secretária-Geral.
MARINELY DE PAULA BOMFIM SECRETÁRIA GERAL

Documento Principal

Identificação do Processo		
Número do Protocolo	Número do Processo Módulo Integrador	Data
20/590.310-0	MGP2000754633	25/09/2020

Identificação do(s) Assinante(s)	
CPF	Nome
513.200.456-34	NILTON NONATO

Junta Comercial do Estado de Minas Gerais

Junta Comercial do Estado de Minas Gerais
Certifico registro sob o nº 8029579 em 29/09/2020 da Empresa ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA., Nire 31211833024 e protocolo 205903100 - 25/09/2020. Autenticação: D23563A7826D751D17[illegible]8272C315537825. Marinely de Paula Bomfim - Secretária-Geral. Para validar este documento, acesse http://www.jucemg.mg.gov.br e ir[illegible]º do protocolo 20/590.310-0 e o código de segurança Yij1 Esta cópia foi autenticada digitalmente e assinada em 29/09/2020 por Marinely de Paula Bomfim – Secretária-Geral.
MARINELY DE PAULA BOMFIM
SECRETÁRIA GERAL

PROCURAÇÃO ELETRONICA

(a que se refere a Resolução do Plenário da Jucemg –RP nº 04/2015, de 8.10.2015)
(com poderes para requerer arquivamento de atos empresariais)

OUTORGANTES:

LAURA REGINA RODRIGUES ALVES, brasileira, casada no regime de comunhão parcial de bens, Médica, nascida aos 09/08/1988, portadora da Carteira de Identidade MG-13.402.198, expedida pela SSP/MG. - CPF 083.471.996-71, residente e domiciliada à rua Professor Magalhães Drumond, 157 - Aptº 701 – bairro Santo Antônio em Belo Horizonte/MG. – Cep. 30.350-000, e-mail: laura788@gmail.com

NIKOLAS DUARTE CALDEIRA BRANT, brasileiro, casado no regimes de comunhão parcial de bens, Médico, nascido aos 09/10/1983, portador da Carteira de Identidade MG- 12.880.666, expedida pela SSP/MG. – CPF 012.713.876-54, residente e domiciliado à rua Professor Magalhães Drumond, 157 - Aptº 701 – bairro Santo Antônio em Belo Horizonte/MG. – Cep. 30.350-000, e-mail: nikolas5@hotmail.com

ANGIOCLEAN CLINICA DE ANGIOLOGIA LTDA.- ME.– Registro Jucemg Nire 31211833024, CNPJ nº 29.905.982/0001-42, com sede a rua Mariano de Abreu, 358 – bairro Esplanada em Belo Horizonte/MG. – Cep. 30.280-100 e-mail: laura788@gmail.com, por sua representante legal **LAURA REGINA RODRIGUES ALVES**, brasileira, casada no regime de comunhão parcial de bens, Médica, nascida aos 09/08/1988, portadora da Carteira de Identidade MG-13.402.198, expedida pela SSP/MG. - CPF 083.471.996-71, residente e domiciliada à rua Professor Magalhães Drumond, 157 - Aptº 701 – bairro Santo Antônio em Belo Horizonte/MG. – Cep. 30.350-000, e-mail: laura788@gmail.com

OUTORGADO:

NILTON NONATO, brasileiro, casado, contador, portador da Carteira Identidade MG-2.398.933, expedida pela SSP/MG. – CPF 513.200.456-34, residente a rua Cubatão, 497 - Casa, bairro Renascença em Belo Horizonte/MG. – Cep. 31-130-630, e-mail: organnonato@yahoo.com.br

Por este instrumento particular, os outorgantes constituem procurador o outorgado, a quem confere poderes específicos para assinar requerimentos/capa de processo e ato de alteração da Sociedade Empresária, assinando alteração de endereço para Av. Barbacena, 600 – Sala 523 – Barro Preto em Belo Horizonte-MG. – Cep. 30.190-134, assim como a declaração do art. 1011 da lei 10.406/2002 em nome dos outorgantes, a serem apresentados para registro/arquivamento de atos perante a Junta Comercial do Estado de Minas Gerais – JUCEMG, podendo ainda o outorgado assinar documentos necessários à instrução do ato respectivo, praticados com o uso de certificação digital, vedado o substabelecimento a terceiros dos poderes ora conferidos.



Belo Horizonte/MG., 10 de Setembro de 2020

Laura Regina Rodrigues Alves

6º Tab. de Notas

- LAURA REGINA RODRIGUES ALVES -

Nikolas Duarte Caldeira Brant

6º Tab. de Notas

- NIKOLAS DUARTE CALDEIRA BRANT -

Laura Regina Rodrigues Alves

6º Tab. de Notas

- LAURA REGINA RODRIGUES ALVES –
ANGIOCLEAN CLINICA DE ANGIOLOGIA LTDA.

Junta Comercial do Estado de Minas Gerais
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MARINELY DE PAULA BOMFIM SECRETÁRIA GERAL


PODER JUDICIÁRIO - TJMG - CORREGEDORIA-GERAL DE JUSTIÇA
6º Tabelionato de Notas de Belo Horizonte - MG
Reconheço, por autenticidade a(s) assinatura(s) de NIKOLAS DUARTE CALDEIRA BRANT
Belo Horizonte, 17/09/2020
SELO DE CONSULTA: DYV10184
CÓDIGO DE SEGURANÇA: 4563.1398.7522.0745
Quantidade de atos praticados: 1
Ato(s) praticado(s) por: Flavia Guimaraes Figueiredo de Oliveira Motta - Escrevente Autorizada
ISSQN:R$ 0.26 Emol:R$ 5.17 TFJ:R$ 1,70 Valor Final: R$ 7.44
Consulte a validade deste selo no site: https://selos.tjmg.jus.br
Nº DA ETIQUETA AAQ86631

Junta Comercial do Estado de Minas Gerais
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MARINELY DE PAULA BOMFIM SECRETÁRIA GERAL

Anexo

Identificação do Processo		
Número do Protocolo	Número do Processo Módulo Integrador	Data
20/590.310-0	MGP2000754633	25/09/2020

Identificação do(s) Assinante(s)	
CPF	Nome
513.200.456-34	NILTON NONATO

Junta Comercial do Estado de Minas Gerais

Junta Comercial do Estado de Minas Gerais
Certifico registro sob o nº 8029579 em 29/09/2020 da Empresa ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA., Nire 31211833024 e protocolo 205903100 - 25/09/2020. Autenticação: D23563A7826D751D17[illegible]8272C315537825. Marinely de Paula Bomfim - Secretária-Geral. Para validar este documento, acesse http://www.jucemg.mg.gov.br e ir[illegible]º do protocolo 20/590.310-0 e o código de segurança Yij1 Esta cópia foi autenticada digitalmente e assinada em 29/09/2020 por Marinely de Paula Bomfim – Secretária-Geral.
MARINELY DE PAULA BOMFIM
SECRETÁRIA GERAL

Junta Comercial do Estado de Minas Gerais

TERMO DE AUTENTICAÇÃO - REGISTRO DIGITAL

Certifico que o ato, assinado digitalmente, da empresa ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA., de NIRE 3121183302-4 e protocolado sob o número 20/590.310-0 em 25/09/2020, encontra-se registrado na Junta Comercial sob o número 8029579, em 29/09/2020. O ato foi deferido eletrônicamente pelo examinador Raquel Vicente Coelho.

Certifica o registro, a Secretária-Geral, Marinely de Paula Bomfim. Para sua validação, deverá ser acessado o sitio eletrônico do Portal de Serviços / Validar Documentos (https://portalservicos.jucemg.mg.gov.br/Portal/pages/imagemProcesso/viaUnica.jsf) e informar o número de protocolo e chave de segurança.

Capa de Processo

Assinante(s)	
CPF	Nome
513.200.456-34	NILTON NONATO

Documento Principal

Assinante(s)	
CPF	Nome
513.200.456-34	NILTON NONATO

Anexo

Assinante(s)	
CPF	Nome
513.200.456-34	NILTON NONATO

Belo Horizonte. terça-feira, 29 de setembro de 2020

Documento assinado eletrônicamente por Raquel Vicente Coelho, Servidor(a) Público(a), em 29/09/2020, às 11:26 conforme horário oficial de Brasília.

A autencidade desse documento pode ser conferida no portal de serviços da jucemg informando o número do protocolo 20/590.310-0.

Junta Comercial do Estado de Minas Gerais
Certifico registro sob o nº 8029579 em 29/09/2020 da Empresa ANGIOCLEAN - CLINICA DE ANGIOLOGIA LTDA., Nire 31211833024 e protocolo 205903100 - 25/09/2020. Autenticação: D23563A7826D751D178[illegible]8272C315537825. Marinely de Paula Bomfim - Secretária-Geral. Para validar este documento, acesse http://www.jucemg.mg.gov.br e ir[illegible]º do protocolo 20/590.310-0 e o código de segurança Yij1 Esta cópia foi autenticada digitalmente e assinada em 29/09/2020 por Marinely de Paula Bomfim – Secretária-Geral.

MARINELY DE PAULA BOMFIM
SECRETÁRIA GERAL

Junta Comercial do Estado de Minas Gerais

O ato foi deferido e assinado digitalmente por :

Identificação do(s) Assinante(s)	
CPF	Nome
873.638.956-00	MARINELY DE PAULA BOMFIM

Belo Horizonte. terça-feira, 29 de setembro de 2020

Junta Comercial do Estado de Minas Gerais
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MARINELY DE PAULA BOMFIM
SECRETÁRIA GERAL

Ministry of Economy
Digital Government Secretariat
Department of Business Registration and Integration
State Secretariat of Finance of Minas Gerais

PROTOCOL No. (Use by the Commercial Registry)

NIRE – Business Registration Identification Number (for the headquarters or branch, when the headquarters is in another state)	Legal Nature Code	Auxiliary Agent of Commerce Registration Number
31212270121	2062	

1 - REQUEST

TO THE HONORABLE PRESIDENT OF THE Commercial Registry of the State of Minas Gerais

Name: ANGIOLOGIA LN LTDA.
(of the Company or the Auxiliary Agent of Commerce)

FCN/REMP Number
MGP2300983676

Requests Your Honor to approve the following act:

NUMBER OF COPIES	ACT CODE	EVENT CODE	QUANTITY	DESCRIPTION OF THE ACT / EVENT
1	002			AMENDMENT
		2244	1	CHANGE OF ECONOMIC ACTIVITIES (PRINCIPAL AND SECONDARY)
		2211	1	CHANGE OF ADDRESS WITHIN THE SAME DISTRICT

BELO HORIZONTE
LOCATION

OCTOBER 25, 2023
Date

Legal Representative of the Company / Agent of Commerce:
Name:_____
Signature:_____
Contact Phone:_____

2 – USE BY THE COMMERCIAL REGISTRY

☐ SINGLE DECISION ☐ COLLECTIVE DECISION

Business Name(s) Identical or Similar:

☐ YES ☐ YES

_____ _____
_____ _____
_____ _____
_____ _____
_____ _____

☐ NO __/__/____ _____ Date / Responsible

☐ NO __/__/____ _____ Date / Responsible

Process in Order To Decision

__/__/____ Date

_____ Responsible

SINGLE DECISION

☐ Process under the requirement. (See note on the attached page)
☐ Process Approved. Publish and file.
☐ Process Denied. Publish.

2nd Requirement	3rd Requirement	4th Requirement	5th Requirement
☐	☐	☐	☐

__/__/____ Date

_____ Responsible

COLLECTIVE DECISION

☐ Process under the requirement. (See note on the attached page)
☐ Process Approved. Publish and file.
☐ Process Denied. Publish.

2nd Requirement	3rd Requirement	4th Requirement	5th Requirement
☐	☐	☐	☐

__/__/____ Date

_____ Lay Judge
_____ Lay Judge
_____ Lay Judge
President of the __Panel

NOTES

Commercial Registry of the State of Minas Gerais
Certified registration under No. 10985942 on 11/10/2020 of the company ANGIOLOGIA LN LTDA., NIRE 31212270121 and protocol 236148745-10/25/2023. Authentication: 7E253032EAA0DC1F289C78A6005F2BB4D1AEAD, Marinely de Paula Bomfim - Secretary General. To validate this document, go to http://www.jucemg.mg.gov.br and enter protocol number 23/614.874-5 and security code 8waC. This copy was digitally authenticated and signed on 11/10/2023 by Marinely de Paula Bomfim, Secretary-General.

MARINELY DE PAULA BOMFIM
Secretary General

Commercial Registry of the State of Minas Gerais

Commercial Registry of the State of Minas Gerais
Digital Registration

Process Cover

Process Identification		
Protocol Number	Process Number Integrator Module	Date
23/614.874-5	MGP2300983676	10/25/2023

Signatory Identification	
CPF	Name
513.200.456-34	NILTON NONATO

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MARINELY DE PAULA BOMFIM
Secretary General

THIRD AMENDMENT TO ARTICLES OF ASSOCIATION

Corporate Name: **ANGIOLOGIA LN LTDA.**
Address: Av. do Contorno, 2241 - Santa Tereza
Belo Horizonte/MG - Zip Code 31.010-085
Share Capital: R$10,000.00 (ten thousand reais).
CNPJ: 41.931.508/0001-90

LAURA REGINA RODRIGUES ALVES, Brazilian, married under the partial community property regime, physician, born on 08/09/1988 - resident at Rua Professor Magalhães Drumond, No. 157 – Apt. 401 – Santo Antônio neighborhood, Belo Horizonte/MG - Zip Code 30350-000, holder of Identity Card MG-13.402.198 issued by SSP/MG, CPF 083.471.996-71, herein represented in this act by her attorney NILTON NONATO, Brazilian, accountant, divorced - CPF 513.200.456-34 and Identity Card MG-2.398.933 issued by SSP/MG, residing at Rua Manoel Venancio Martins, 290, Apartment 101, Bairro Palmares, Belo Horizonte/MG - ZIP CODE 31.155-700.

NIKOLAS DUARTE CALDEIRA BRANT, Brazilian, married under the partial community property regime, physician, born on 10/09/1983, resident at Rua Professor Magalhães Drumond, No. 157 – Apt. 401 – Santo Antônio neighborhood, Belo Horizonte/MG, Zip Code 30350-000, holder of Identity Card MG-12.880.666 issued by SSP/MG, CPF 012.713.876-54, herein represented in this act by his attorney NILTON NONATO, Brazilian, divorced, accountant, holder of CPF 513.200.456-34 and Identity Card MG-2.398.933 issued by SSP/MG, residing at Rua Manoel Venancio Martins, 290, Apartment 101, Bairro Palmares, Belo Horizonte/MG - ZIP CODE 31.155-700.

The sole members of the limited liability company denominated "**ANGIOLOGIA LN LTDA."**, duly registered with the Commercial Registry of the State of Minas Gerais – JUCEMG under No. 31212270121, dated 05/13/2021, with subsequent amendments under No. 10702293 of 07/31/2023, and No. 10790019 of 08/29/2023. **Hereby resolve,** by mutual agreement, to amend the articles of association in accordance with the following clauses and conditions:

CLAUSE I – CORPORATE NAME, REGISTERED OFFICE, AND TERM

The company shall operate under the corporate name "**ANGIOLOGIA LN LTDA**.", with the trade name **ANGIOCLEAN CS**, and its registered office shall be located at Av. Barbacena, 594, Room 523, Barro Preto Neighborhood, Belo Horizonte/MG, ZIP CODE 30.190-134. and its duration shall be indefinite.

Commercial Registry of the State of Minas Gerais
Certified registration under No. 10985942 on 11/10/2020 of the company ANGIOLOGIA LN LTDA., NIRE 31212270121 and protocol 236148745-10/25/2023. Authentication: 7E253032EAA0DC1F289C78A6005F2BB4D1AEAD, Marinely de Paula Bomfim - Secretary General. To validate this document, go to http://www.jucemg.mg.gov.br and enter protocol number 23/614.874-5 and security code 8waC. This copy was digitally authenticated and signed on 11/10/2023 by Marinely de Paula Bomfim, Secretary-General.

MARINELY DE PAULA BOMFIM
Secretary General

CLAUSE II – CORPORATE PURPOSE

As of this amendment, the purpose of the company shall be the provision of medical services carried out in offices, clinics, and hospitals, with resources for consultations, examinations, and surgical procedures, as well as services provided by health professionals.

In light of the above amendment, the partners resolve to consolidate the Articles of Association, which shall henceforth read as follows:

CONSOLIDATION OF ARTICLES OF ASSOCIATION

CLAUSE I – CORPORATE NAME, REGISTERED OFFICE, AND TERM

The company shall operate under the corporate name **ANGIOLOGIA LN LTDA.**, with the trade name **ANGIOCLEAN CS**, with its headquarters at Av. Barbacena, 594, Room 523, Barro Preto Neighborhood, Belo Horizonte/MG, ZIP CODE 30.190-134, and its duration shall be indefinite.

CLAUSE II – CORPORATE PURPOSE

The purpose of the company shall be the provision of medical services carried out in offices, clinics, and hospitals, with resources for consultations, examinations, and surgical procedures, as well as services provided by health professionals.

CLAUSE III – SHARE CAPITAL

The Share Capital is R$10,000.00 (ten thousand reais), represented by 10,000 (ten thousand) shares with a unit value of R$1.00 (one real) each, subscribed and paid in at this act in legal tender of the country, distributed among the shareholders as follows:

NAME	NO. OF SHARES	UNIT VALUE	TOTAL VALUE
LAURA REGINA RODRIGUES ALVES	5,000	R$ 1.00	R$ 5,000.00
NIKOLAS DUARTE CALDEIRA BRANT	5,000	R$ 1.00	R$ 5,000.00
TOTAL	10,000		R$ 10,000.00

CLAUSE IV – JOINT LIABILITY

The liability of the partners is limited to the value of their shares, but all are jointly liable for the full payment of the share capital, pursuant to Article 1,052, paragraph 1 of the Brazilian Civil Code (Law No. 10,406/2002).

CLAUSE V – DECLARATION OF ELIGIBILITY

The partners hereby declare, under penalty of law, that they are not subject to any legal restrictions preventing them from engaging in this activity.

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MARINELY DE PAULA BOMFIM
Secretary General

CLAUSE VI – MANAGEMENT OF THE COMPANY

The management of the company shall be carried out by bothpartners, who are hereby granted powers to sign individually all documents of the company, being responsible for its judicial and extrajudicial representation, as well as before financial and banking institutions, suppliers and clients in general, public agencies and authorities at the federal, state, and municipal levels, and in all relations with third parties.

CLAUSE VII – WITHDRAWAL OF A SALARY

Both partners shall be entitled to a monthly withdrawal as compensation (salary), within the limits set by income tax legislation, such amounts to be debited to the Administrative Expenses account.

CLAUSE VIII – FISCAL YEAR

The fiscal year shall end on December 31 of each year. At the end of the fiscal year, the balance sheet shall be drawn up, together with the profit and loss statement.

SOLE PARAGRAPH: Should the company's balance sheet show profits, these shall be distributed among the partners in proportion to their respective shares; likewise, should the balance sheet show losses, these shall be borne by the partners in the same proportion of their shares. The partners' liability is limited, but they are jointly liable for the share capital, pursuant to Article 1,055, paragraph 1 of Law No. 10,406/2002 (Brazilian Civil Code).

CLAUSE IX – TRANSFER OF SHARES

No shareholder may assign or transfer to third parties, whether in whole or in part, his or her shares without the express consent of the other partner, under penalty of nullity of such transfer.

CLAUSE X – SUCCESSION

The company shall not be dissolved due to the death or interdiction of any partners. The heirs of the deceased or interdicted shareholder may remain in the company or have their equity rights settled through a balance sheet to be drawn up on the date of the event; in this case, the settlement of such credits shall be made in twelve (12) equal and successive monthly installments.

CLAUSE XI – PROFITS AND/OR LOSSES

The profits or losses verified in the balance sheet prepared at the end of each fiscal year shall be distributed among the partners in proportion to the share capital. They may choose to increase capital using these profits and offset losses in future years;

CLAUSE XII – BRANCHES AND OTHER ESTABLISHMENTS

The company may, at any time, establish branches and other establishments in Brazil or abroad, by act of management or by resolution of the partners.

Commercial Registry of the State of Minas Gerais
Certified registration under No. 10985942 on 11/10/2020 of the company ANGIOLOGIA LN LTDA., NIRE 31212270121 and protocol 236148745-10/25/2023. Authentication: 7E253032EAA0DC1F289C78A6005F2BB4D1AEAD, Marinely de Paula Bomfim - Secretary General. To validate this document, go to http://www.jucemg.mg.gov.br and enter protocol number 23/614.874-5 and security code 8waC. This copy was digitally authenticated and signed on 11/10/2023 by Marinely de Paula Bomfim, Secretary-General

MARINELY DE PAULA BOMFIM
Secretary General

CLAUSE XIII – SUPPLEMENTARY GOVERNING LAW

Pursuant to Article 1,053 and its sole paragraph of the Brazilian Civil Code (Law No. 10,406/2002), in the absence of specific legislation or contractual provisions, the Limited Liability Company shall be governed by the rules applicable to the Simple Partnership and, optionally, by supplementary application of the rules governing Corporations.

CLAUSE XIV – JURISDICTION

The partners elect the Courts of the District of Belo Horizonte/MG as the sole jurisdiction competent to settle any disputes that may arise from the interpretation of this instrument.

And having thus agreed and contracted, they sign this instrument.

Belo Horizonte/MG, October 19, 2023.

_____
- LAURA REGINA RODRIGUES ALVES -
Attorney-in-Fact Nilton Nonato

_____
- NIKOLAS DUARTE CALDEIRA BRANT -
Attorney-in-Fact Nilton Nonato

Commercial Registry of the State of Minas Gerais
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MARINELY DE PAULA BOMFIM
Secretary General

Commercial Registry of the State of Minas Gerais

Commercial Registry of the State of Minas Gerais
Digital Registration

Main Document

Process Identification		
Protocol Number	Process Number Integrator Module	Date
23/614.874-5	MGP2300983676	10/25/2023

Signatory Identification	
CPF	Name
513.200.456-34	NILTON NONATO

Commercial Registry of the State of Minas Gerais
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STATEMENT OF AUTHENTICITY
DIGITAL REGISTRATION

I, NILTON NONATO, duly registered with the Regional Accounting Council of Minas Gerais (CRC/MG) under No. 110586, issued on 10/24/2014, enrolled with the CPF under No. 513.200.456-34, HEREBY DECLARE, under the penalties provided for under criminal law, and without prejudice to administrative and civil sanctions, that the document(s) indicated below is/are authentic and correspond(s) to the original(s).

Document(s) submitted:

1. THIRD AMENDMENT TO THE ARTICLES OF ASSOCIATION – 04 SHEETS – 4 page(s)

Belo Horizonte/MG, November 8, 2023.

Name of declarant who digitally signs: NILTON NONATO

Commercial Registry of the State of Minas Gerais
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MARINELY DE PAULA BOMFIM
Secretary General

ELECTRONIC POWER OF ATTORNEY

(referred to in Resolution RP No. 04/2015 of the Plenary of JUCEMG, dated 10/08/2015)
(with powers to request the filing of corporate acts)

GRANTORS:

LAURA REGINA RODRIGUES ALVES, Brazilian, married under the partial community property regime, physician, born on 08/09/1988, holder of Identity Card MG-13.402.198 issued by SSP/MG, CPF 083.471.996-71, resident at Rua Professor Magalhães Drumond, No. 157 – Apt. 701 – Santo Antônio neighborhood, Belo Horizonte/MG – Zip Code 30350-000, e-mail: laura788@gmail.com

NIKOLAS DUARTE CALDEIRA BRANT, Brazilian, married under the partial community property regime, physician, born on 10/09/1983, holder of Identity Card MG-12.880.666 issued by SSP/MG, CPF 012.713.876-54, resident at Rua Professor Magalhães Drumond, No. 157 – Apt. 701 – Santo Antônio neighborhood, Belo Horizonte/MG – Zip Code 30350-000, e-mail: nikolas5@hotmail.com

ANGIOLOGIA LN LTDA., Registered with JUCEMG under NIRE 31212270121, CNPJ No. 41.931.508/0001-90, with registered office at Av. Barbacena, 594, Room 523, Barro Preto Neighborhood, Belo Horizonte/MG, ZIP CODE 30.190-134 e-mail: nikolas5@hotmail.com, herein represented by its legal representative **NIKOLAS DUARTE CALDEIRA BRANT**, Brazilian, married under the partial community property regime, physician, born on 10/09/1983, holder of Identity Card MG-12.880.666 issued by SSP/MG, CPF 012.713.876-54, resident at Rua Professor Magalhães Drumond, No. 157 – Apt. 701 – Santo Antônio neighborhood, Belo Horizonte/MG – Zip Code 30350-000, e-mail: nikolas5@hotmail.com

GRANTEE:

NILTON NONATO, Brazilian, married, accountant, holder of Identity Card MG-2.398.933 issued by SSP/MG, CPF 513.200.456-34, resident at Rua Cubatão, No. 497 – House – Renascença neighborhood, Belo Horizonte/MG – Zip Code 31130-630, e-mail: organnonato@yahoo.com.br

By means of this private instrument, the Grantors hereby appoint and constitute the Attorney-in-Fact named above, granting him specific powers to amend the Articles of Association of the limited liability company **"ANGIOLOGIA LN LTDA."**, to modify the company's corporate purpose, to sign cover/requisition forms (legal entity), to sign the corporate amendment(s) to be filed and registered with the Commercial Registry of the State of Minas Gerais – JUCEMG, as well as to sign any documents required for the proper filing of said acts, including those executed with the use of digital certification. The substitution or transfer of these powers to third parties is expressly prohibited.



Commercial Registry of the State of Minas Gerais

Commercial Registry of the State of Minas Gerais
Digital Registration

Annex

Process Identification		
Protocol Number	Process Number Integrator Module	Date
23/614.874-5	MGP2300983676	10/25/2023

Signatory Identification	
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MARINELY DE PAULA BOMFIM
Secretary General

STATEMENT OF AUTHENTICITY

DIGITAL RECORD

I, NILTON NONATO, holding an active registration with the CRC/(MG) under No. 110586, issued on 10/24/2014, enrolled in the CPF under No. 513.200.456-34, HEREBY DECLARE, under the penalties of criminal law and without prejudice to administrative and civil sanctions, that the document(s) listed below is/are authentic and conform(s) to the original(s).

Document(s) submitted:

JUCEMG Power of Attorney – 1 page

1. Identification document of partner Nikolas – 1 page

2. Identification document of partner Laura – 1 page

3. Statement of authenticity – 1 page

4. Accountant's CRC certificate – 1 page

Belo Horizonte/MG, October 25, 2023.

Name of the declarant who signs digitally: NILTON NONATO

Commercial Registry of the State of Minas Gerais
Certified registration under No. 10985942 on 11/10/2020 of the company ANGIOLOGIA LN LTDA., NIRE 31212270121 and protocol 236148745-10/25/2023. Authentication: 7E253032EAA0DC1F289C78A6005F2BB4D1AEAD, Marinely de Paula Bomfim - Secretary General. To validate this document, go to http://www.jucemg.mg.gov.br and enter protocol number 23/614.874-5 and security code 8waC. This copy was digitally authenticated and signed on 11/10/2023 by Marinely de Paula Bomfim, Secretary-General.

MARINELY DE PAULA BOMFIM
Secretary General

Commercial Registry of the State of Minas Gerais

National System of Business Registry – SINREM
Government of the State of Minas Gerais
State Secretariat of Finance of Minas Gerais
Commercial Registry of the State of Minas Gerais

TERM OF AUTHENTICATION – DIGITAL REGISTRATION

I certify that the act, digitally signed, of the company ANGIOLOGIA LN LTDA., with NIRE 3121227012-1 and filed under number 23/614.874-5 on 10/25/2023, is recorded with the Commercial Registry under number 10985942, on 11/10/2023. The act was electronically approved by examiner Laura Aparecida Vieira.
The registration is certified by the Secretary-General, Marinely de Paula Bomfim. For validation, access the electronic website of the Services Portal / Validate Documents (https://portalservicos.jucemg.mg.gov.br/Portal/pages/imagemProcesso/viaUnica.jsf) and enter the protocol number and security key.

Process Cover

Signatory(ies)	
CPF	Name
513.200.456-34	NILTON NONATO

Main Document

Signatory(ies)	
CPF	Name
513.200.456-34	NILTON NONATO

Annex

Signatory(ies)	
CPF	Name
513.200.456-34	NILTON NONATO

Main Document Statement

Signatory(ies)	
CPF	Name
513.200.456-34	NILTON NONATO

Annex Document(s) Statement

Signatory(ies)	
CPF	Name
513.200.456-34	NILTON NONATO

Belo Horizonte, Friday, November 10, 2023

SRM

This document was electronically signed by Laura Aparecida Vieira, Public Servant, on 11/10/2023, at 12:32 PM Brasília official time.

The authenticity of this document may be verified on the JUCEMG services portal by entering protocol number 23/614.874-5.

Commercial Registry of the State of Minas Gerais
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MARINELY DE PAULA BOMFIM
Secretary General

The act was approved and digitally signed by:

Identification of Signer(s)	
CPF	Name
873.638.956-00	MARINELY DE PAULA BOMFIM

Belo Horizonte. Friday, November 10, 2023

Commercial Registry of the State of Minas Gerais
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MARINELY DE PAULA BOMFIM
Secretary General

I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English, as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.

Marina Viana

Date: September 2, 2025.

Ministério da Economia
Secretaria de Governo Digital
Departamento Nacional de Registro Empresarial e Integração
Secretaria de Estado de Fazenda de Minas Gerais

Nº DO PROTOCOLO (Uso da Junta Comercial)

NIRE (da sede ou filial, quando a sede for em outra UF)	Código da Natureza Jurídica	Nº de Matrícula do Agente Auxiliar do Comércio
31212270121	2062	

1 - REQUERIMENTO

ILMO(A). SR.(A) PRESIDENTE DA Junta Comercial do Estado de Minas Gerais

Nome: ANGIOLOGIA LN LTDA.
(da Empresa ou do Agente Auxiliar do Comércio)

Nº FCN/REMP
MGP2300983676

requer a V.Sª o deferimento do seguinte ato:

Nº DE VIAS	CÓDIGO DO ATO	CÓDIGO DO EVENTO	QTDE	DESCRIÇÃO DO ATO / EVENTO
1	002			ALTERACAO
		2244	1	ALTERACAO DE ATIVIDADES ECONOMICAS (PRINCIPAL E SECUNDARIAS)
		2211	1	ALTERACAO DE ENDERECO DENTRO DO MESMO MUNICIPIO

BELO HORIZONTE
Local

25 OUTUBRO 2023
Data

Representante Legal da Empresa / Agente Auxiliar do Comércio:
Nome: _____
Assinatura: _____
Telefone de Contato: _____

2 - USO DA JUNTA COMERCIAL

☐ DECISÃO SINGULAR ☐ DECISÃO COLEGIADA

Nome(s) Empresarial(ais) igual(ais) ou semelhante(s):

☐ SIM
_____
_____
_____
_____
_____

☐ NÃO ___/___/_____ _____
Data Responsável

☐ SIM
_____
_____
_____
_____
_____

☐ NÃO ___/___/_____ _____
Data Responsável

Processo em Ordem
À decisão

___/___/_____
Data

_____
Responsável

DECISÃO SINGULAR

☐ Processo em exigência. (Vide despacho em folha anexa)
☐ Processo deferido. Publique-se e arquive-se.
☐ Processo indeferido. Publique-se.

2ª Exigência	3ª Exigência	4ª Exigência	5ª Exigência
☐	☐	☐	☐

___/___/_____ _____
Data Responsável

DECISÃO COLEGIADA

☐ Processo em exigência. (Vide despacho em folha anexa)
☐ Processo deferido. Publique-se e arquive-se.
☐ Processo indeferido. Publique-se.

2ª Exigência	3ª Exigência	4ª Exigência	5ª Exigência
☐	☐	☐	☐

___/___/_____ _____ _____ _____
Data Vogal Vogal Vogal

Presidente da _____ Turma

OBSERVAÇÕES

Junta Comercial do Estado de Minas Gerais
Certifico o registro sob o nº 10985942 em 10/11/2023 da Empresa ANGIOLOGIA LN LTDA., Nire 31212270121 e protocolo 236148745 - 25/10/2023. Autenticação: 7E253032EAA0DC1F289C78A6005F2BB4D1AEAD. Marinely de Paula Bomfim - Secretária-Geral. Para validar este documento, acesse http://www.jucemg.mg.gov.br e informe nº do protocolo 23/[illegible]-5 e o código de segurança 8waC Esta cópia foi autenticada digitalmente e assinada em 10/11/2023 por Marinely de Paula Bomfim Secretária Geral.

MARINELY DE PAULA BOMFIM
SECRETÁRIA GERAL

Capa de Processo

Identificação do Processo		
Número do Protocolo	Número do Processo Módulo Integrador	Data
23/614.874-5	MGP2300983676	25/10/2023

Identificação do(s) Assinante(s)	
CPF	Nome
513.200.456-34	NILTON NONATO

Junta Comercial do Estado de Minas Gerais
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MARINELY DE PAULA BOMFIM
SECRETÁRIA GERAL

TERCEIRA ALTERAÇÃO CONTRATUAL

Razão Social:	**ANGIOLOGIA LN LTDA.**
Endereco:	Av. do Contorno, 2241 Sta. Tereza Belo Horizonte/MG. - Cep. 31.010-085
Capital:	R$ 10.000,00 (Dez mil reais).
CNPJ:	41.931.508/0001-90

LAURA REGINA RODRIGUES ALVES, brasileira, casada no regime de bens Comunhão Parcial, médica nascida aos 09/08/1988 – residente e domiciliada a rua Professor Magalhães Drumond, 157 – Ap. 401 – bairro Santo Antônio em Belo Horizonte/MG. - Cep. 30.350-000, portadora da Carteira de Identidade nº MG- 13.402.198, expedida pela SSP/MG. - CPF 083.471.996-71, representada neste ato pelo procurador NILTON NONATO, brasileiro, contador, divorciado - CPF 513.200.456-34, documento de identidade MG-2.398.933, SSP/MG, residente e domiciliado a rua Manoel Venancio Martins, número 290, ap. 101, bairro Palmares, município Belo Horizonte – MG., Cep. 31.155-700,

NIKOLAS DUARTE CALDEIRA BRANT, brasileiro, casado no regime de bens Comunhão Parcial, médico nascido aos 09/10/1983 – residente e domiciliado a rua Professor Magalhães Drumond, 157 – Ap. 401 – bairro Santo Antônio em Belo Horizonte/MG. - Cep. 30.350-000, portador da Carteira de Identidade nº MG- 12.880.666, expedida pela SSP/MG. - CPF 012.713.876-54, representado neste ato pelo procurador NILTON NONATO, brasileiro, contador, divorciado - CPF 513.200.456-34, documento de identidade MG-2.398.933, SSP/MG, residente e domiciliado a rua Manoel Venancio Martins, número 290, ap. 101, bairro Palmares, município Belo Horizonte – MG., Cep. 31.155-700, **Únicos** componentes da Sociedade Empresária Limitada, denominada "**ANGIOLOGIA LN LTDA.**", firma devidamente inscrita na Junta Comercial do Estado de Minas Gerais - JUCEMG, sob o nº 31212270121, datada de 13/05/2021 e posteriores alteraçoes nº 10702293 de 31/07/23, nº 10790019 em 29/08/23 , **Resolvem** de comum acordo alterar ditos instrumentos, conforme cláusulas e condições seguintes:

CLAUSULA - I – DA DENOMINAÇÃO SOCIAL, SEDE E PRAZO

A sociedade girará sob a denominação social de "**ANGIOLOGIA LN LTDA.**", com nome fantasia de **ANGIOCLEAN CS**, sendo que a partir desta sua sede será à Av. Barbacena, 594 - Sala 523, Barro Preto em Belo Horizonte – MG., Cep. 30.190-134, e seu prazo de duração é por tempo indeterminado

Junta Comercial do Estado de Minas Gerais
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MARINELY DE PAULA BOMFIM
SECRETÁRIA GERAL

CLÁUSULA - II - DOS OBJETIVOS SOCIAIS

A partir desta o objetivo da sociedade será a prestação de serviços médicos, realizados em consultórios, clinicas e hospitais, com recursos para realização de consultas, exames e procedimentos cirúrgicos, prestação de serviços de profissionais da área de saúde.

Tendo em vista a alteração acima mencionada, os sócios deliberam consolidar o Contato Social que passará a ter a seguinte redação:

CONSOLIDAÇÃO DO CONTRATO SOCIAL

CLAUSULA - I – DA DENOMINAÇÃO SOCIAL, SEDE E PRAZO

A sociedade girará sob a denominação social de "**ANGIOLOGIA LN LTDA.**", com nome fantasia de **ANGIOCLEAN CS**, com sede à Av. Barbacena, 594 – Sala 523, Barro Preto em Belo Horizonte – MG., Cep. 30.190-134, e seu prazo de duração é por tempo indeterminado

CLÁUSULA - II - DOS OBJETIVOS SOCIAIS

O objetivo da sociedade será a prestação de serviços médicos, realizados em consultórios, clinicas e hospitais, com recursos para realização de consultas, exames e procedimentos cirúrgicos, prestação de serviços de profissionais da área de saúde.

CLÁUSULA - III - DO CAPITAL SOCIAL

O Capital Social é de R$ 10.000,00 (Dez mil reais), representado por 10.000 (Dez mil) cotas no valor de R$ 1,00 (Hum real) cada uma, subscritas e integralizadas neste ato em moeda corrente do País, distribuído entre os cotistas na seguinte proporção:

NOME	N. QUOTAS	VR. UNIT.	TOTAL
LAURA REGINA RODRIGUES ALVES	5.000	R$ 1,00	R$ 5.000,00
NIKOLAS DUARTE CALDEIRA BRANT	5.000	R$ 1,00	R$ 5.000,00
TOTAL	10.000		R$ 10.000,00

CLÁUSULA - IV - DA RESPONSABILIDADE SOLIDÁRIA

A responsabilidade dos sócios é, restrita ao valor de suas quotas, mas todas respondem solidariamente pela integralização do capital social, nos termos do artigo 1052, parágrafo 1º do NCC/02.

CLÁUSULA – V - DA DECLARAÇÃO DE DESIMPEDIMENTO

Os sócios declaram sob as penas da lei não estarem incursos nas proibições previstas em lei para exercer esta atividade.

Junta Comercial do Estado de Minas Gerais
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MARINELY DE PAULA BOMFIM
SECRETÁRIA GERAL

CLÁUSULA - VI - DA ADMINISTRAÇÃO DA SOCIEDADE

A administração da sociedade ficará a cargo de ambos os sócios, aos quais serão delegados poderes para assinar isoladamente em todos os documentos da sociedade, cabendo ao mesmo a representação Judicial ou extra- judicial, bem como perante as instituições financeiras e bancárias, fornecedores e clientes em geral, autarquias e demais repartições Públicas, Federais, Estaduais e Municipais, enfim em todas as relações junto a terceiros;

CLÁUSULA - VII - DA RETIRADA DE PRÓ-LABORE

Ambos os sócios terão direito a uma retirada mensal a título de Pró-Labore, dentro dos limites da legislação do Imposto de Renda, importância esta que será levada a débito da conta Despesas Administrativas;

CLÁUSULA – VIII – DO EXERCÍCIO SOCIAL

O exercício social encerrar-se-á em 31 (trinta e um) de dezembro de cada ano. Encerrado o exercício social, proceder-se-á ao levantamento do balanço geral, bem como da demonstração da conta lucros e perdas.

PARÁGRAFO ÚNICO: O balanço da sociedade acusando lucros, estes serão distribuídos pelos sócios na proporção das cotas de cada um, assim como se o balanço apresentar prejuízos, serão suportados pelos sócios na mesma proporção de suas cotas. A responsabilidade dos sócios é limitada, mas respondem solidariamente pelo capital social, nos termos do Art. 1.055 da Lei 10.406/2, parágrafo 1º do NCC/02.

CLÁUSULA - IX - DA TRANSFERÊNCIA DE COTAS

Nenhum quotista poderá ceder ou transferir a terceiros parte ou a totalidade de suas cotas sociais, sem expressa anuência do outro, sob pena de ineficácia da cessão;

CLÁUSULA - X - DA SUCESSÃO

A sociedade não dissolverá por morte ou interdição de qualquer dos sócios. Os herdeiros do falecido ou interditado, poderão permanecer na sociedade ou ter seus haveres apurados em balanço patrimonial a ser apurado na data do evento, e neste caso, a liquidação desses créditos serão pagos em 12 (doze) parcelas mensais iguais e sucessivamente;

CLÁUSULA - XI - DOS LUCROS E/OU PREJUÍZOS

Os lucros ou prejuízos apurados em balanço a ser realizado após o término do exercício social, serão distribuídos entre os sócios na proporção do capital social, podendo os mesmos optarem pelo aumento de capital utilizando estes lucros, e, compensar os prejuízos em exercícios futuros;

CLÁUSULA - XII - FILIAIS E OUTRAS DEPENDÊNCIAS

A sociedade poderá, a qualquer tempo, abrir filiais e outros estabelecimentos no País ou fora dele, por ato de sua gerência ou por deliberações dos sócios;

Junta Comercial do Estado de Minas Gerais
Certifico o registro sob o nº 10985942 em 10/11/2023 da Empresa ANGIOLOGIA LN LTDA., Nire 31212270121 e protocolo 236148745 - 25/10/2023. Autenticação: 7E253032EAA0DC1F289C78A6005F2BB4D1AEAD. Marinely de Paula Bomfim - Secretária-Geral. Para validar este documento, acesse http://www.jucemg.mg.gov.br e informe nº do protocolo 23/614.87[illegible]-5 e o código de segurança 8waC Esta cópia foi autenticada digitalmente e assinada em 10/11/2023 por Marinely de Paula Bomfim Secretária Geral.

MARINELY DE PAULA BOMFIM
SECRETÁRIA GERAL

CLÁUSULA – XIII – REGÊNCIA SUPLETIVA

Conforme determina o Art. 1053 e seu parágrafo único do NCC/02, nas omissões da legislação específica ou do contrato a Sociedade Limitada rege-se pelas normas de Sociedade Simples e facultativamente a regência supletiva pelas normas e Sociedade Anônimas.

CLÁUSULA - XIV - DO FÔRO

Elegem o foro da Comarca de Belo Horizonte/MG., como único competente para dirimir quaisquer dúvidas que possam surgir com a interpretação do presente instrumento.

E por estarem assim justos e contratados, assinam o presente instrumento.

Belo Horizonte/MG., 19 de Outubro de 2023.

_____

- LAURA REGINA RODRIGUES ALVES –
Procurador Nilton Nonato

_____

- NIKOLAS DUARTE CALDEIRA BRANT –
Procurador Nilton Nonato

Junta Comercial do Estado de Minas Gerais
Certifico o registro sob o nº 10985942 em 10/11/2023 da Empresa ANGIOLOGIA LN LTDA., Nire 31212270121 e protocolo 236148745 - 25/10/2023. Autenticação: 7E253032EAA0DC1F289C78A6005F2BB4D1AEAD. Marinely de Paula Bomfim - Secretária-Geral. Para validar este documento, acesse http://www.jucemg.mg.gov.br e informe nº do protocolo 23/614.874-5 e o código de segurança 8waC Esta cópia foi autenticada digitalmente e assinada em 10/11/2023 por Marinely de Paula Bomfim Secretária Geral.

MARINELY DE PAULA BOMFIM
SECRETÁRIA GERAL

Junta Comercial do Estado de Minas Gerais

JUNTA COMERCIAL DO ESTADO DE MINAS GERAIS

Registro Digital

Documento Principal

Identificação do Processo		
Número do Protocolo	Número do Processo Módulo Integrador	Data
23/614.874-5	MGP2300983676	25/10/2023

Identificação do(s) Assinante(s)	
CPF	Nome
513.200.456-34	NILTON NONATO

Junta Comercial do Estado de Minas Gerais
Certifico o registro sob o nº 10985942 em 10/11/2023 da Empresa ANGIOLOGIA LN LTDA., Nire 31212270121 e protocolo 236148745 - 25/10/2023. Autenticação: 7E253032EAA0DC1F289C78A6005F2BB4D1AEAD. Marinely de Paula Bomfim - Secretária-Geral. Para validar este documento, acesse http://www.jucemg.mg.gov.br e informe nº do protocolo 23/614.874-5 e o código de segurança 8waC Esta cópia foi autenticada digitalmente e assinada em 10/11/2023 por Marinely de Paula Bomfim Secretária Geral.

DECLARAÇÃO DE AUTENTICIDADE
REGISTRO DIGITAL

Eu, NILTON NONATO, com inscrição ativa no(a) CRC/(MG) sob o nº 110586, expedida em 24/10/2014, inscrito no CPF nº 513.200.456-34, DECLARO, sob as penas da Lei penal e, sem prejuízo das sanções administrativas e cíveis, que o(s) documento(s) abaixo indicado(s) é/são autêntico(s) e condiz(em) com o(s) original(ais).

Documento(s) apresentado(s):

1. TERCEIRA ALTERAÇAO CONTRATUAL - 04 FLS - 4 página(s)

Belo Horizonte/MG , 08 de novembro de 2023.

Nome do declarante que assina digitalmente: NILTON NONATO

Junta Comercial do Estado de Minas Gerais
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MARINELY DE PAULA BOMFIM
SECRETÁRIA GERAL

PROCURAÇÃO ELETRONICA

(a que se refere a Resolução do Plenário da Jucemg –RP nº 04/2015, de 8.10.2015)
(com poderes para requerer arquivamento de atos empresariais)

OUTORGANTES:
LAURA REGINA RODRIGUES ALVES, brasileira, casada no regime de comunhão parcial de bens, Médica, nascida aos 09/08/1988, portadora da Carteira de Identidade MG-13.402.198, expedida pela SSP/MG. - CPF 083.471.996-71, residente e domiciliada à rua Professor Magalhães Drumond, 157 - Aptº 701 – bairro Santo Antônio em Belo Horizonte/MG. – Cep. 30.350-000, e-mail: laura788@gmail.com

NIKOLAS DUARTE CALDEIRA BRANT, brasileiro, casado no regime de comunhão parcial de bens, Médico, nascido aos 09/10/1983, portador da Carteira de Identidade MG- 12.880.666, expedida pela SSP/MG. – CPF 012.713.876-54, residente e domiciliado à rua Professor Magalhães Drumond, 157 - Aptº 701 – bairro Santo Antônio em Belo Horizonte/MG. – Cep. 30.350-000, e-mail: nikolas5@hotmail.com

ANGIOLOGIA LN LTDA., Registro Jucemg Nire 31212270121, CNPJ nº 41.931.508/0001-90, com sede a Av. Barbacena, 594 - Sala 523 - Barro Preto em Belo Horizonte/MG. – Cep. 31.190-134 e-mail: nikolas5@hotmail.com, por sua representante legal **NIKOLAS DUARTE CALDEIRA BRANT**, brasileiro, casado no regime de comunhão parcial de bens, Médico, nascido aos 09/10/1983, portador da Carteira de Identidade MG- 12.880.666, expedida pela SSP/MG. – CPF 012.713.876-54, residente e domiciliado à rua Professor Magalhães Drumond, 157 - Aptº 701 – bairro Santo Antônio em Belo Horizonte/MG. – Cep. 30.350-000, e-mail: nikolas5@hotmail.com

OUTORGADO:
NILTON NONATO, brasileiro, divorciado, contador, portador da Carteira Identidade MG-2.398.933, expedida pela SSP/MG. – CPF 513.200.456-34, residente a rua Manoel Venancio Martins, 290 - Ap. 101, bairro Palmares em Belo Horizonte/MG. – Cep. 31-155-700, e-mail: organnonato@yahoo.com.br

Por este instrumento particular, os outorgantes constituem procurador o outorgado, a quem confere poderes específicos para alteração contratual da Sociedade Empresária Limitada, denominada "ANGIOLOGIA LN LTDA.", para alterar o objetivo social da empresa, assinar capa/requerimento (pessoa jurídica), assinar alteração contratual a serem apresentados para registro/arquivamento de atos perante a Junta Comercial do Estado de Minas Gerais – JUCEMG, podendo ainda o outorgado assinar documentos necessários à instrução do ato respectivo, praticados com o uso de certificação digital, vedado o substabelecimento a terceiros dos poderes ora conferidos.

Belo Horizonte/MG., 27 de Junho de 2023

SERVIÇO NOTARIAL DO 1º OFÍCIO BELO HORIZONTE - MG

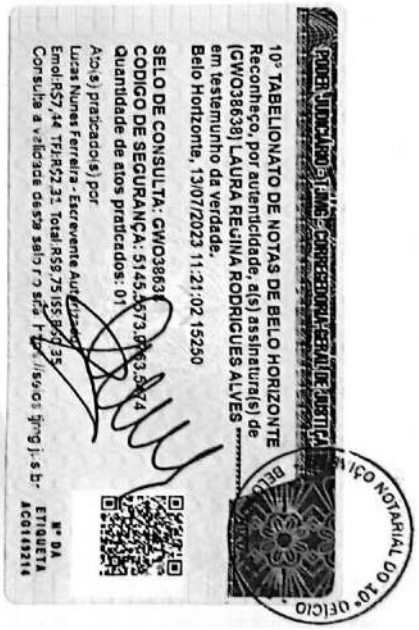
- LAURA REGINA RODRIGUES ALVES -

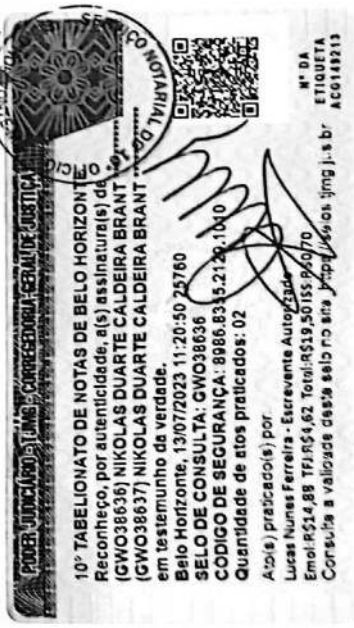
SERVIÇO NOTARIAL DO 1º OFÍCIO BELO HORIZONTE - MG

- NIKOLAS DUARTE CALDEIRA BRANT -

SERVIÇO NOTARIAL DO 1º OFÍCIO BELO HORIZONTE - MG

- NIKOLAS DUARTE CALDEIRA BRANT -
ANGIOLOGIA LN LTDA.





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MARINELY DE PAULA BOMFIM
SECRETÁRIA GERAL

Anexo

Identificação do Processo		
Número do Protocolo	Número do Processo Módulo Integrador	Data
23/614.874-5	MGP2300983676	25/10/2023

Identificação do(s) Assinante(s)	
CPF	Nome
513.200.456-34	NILTON NONATO

Junta Comercial do Estado de Minas Gerais
Certifico o registro sob o nº 10985942 em 10/11/2023 da Empresa ANGIOLOGIA LN LTDA., Nire 31212270121 e protocolo 236148745 - 25/10/2023. Autenticação: 7E253032EAA0DC1F289C78A6005F2BB4D1AEAD. Marinely de Paula Bomfim - Secretária-Geral. Para validar este documento, acesse http://www.jucemg.mg.gov.br e informe nº do protocolo 23/614.874-5 e o código de segurança 8waC Esta cópia foi autenticada digitalmente e assinada em 10/11/2023 por Marinely de Paula Bomfim Secretária Geral.

MARINELY DE PAULA BOMFIM
SECRETÁRIA GERAL

DECLARAÇÃO DE AUTENTICIDADE
REGISTRO DIGITAL

Eu, NILTON NONATO, com inscrição ativa no(a) CRC/(MG) sob o nº 110586, expedida em 24/10/2014, inscrito no CPF nº 513.200.456-34, DECLARO, sob as penas da Lei penal e, sem prejuízo das sanções administrativas e cíveis, que o(s) documento(s) abaixo indicado(s) é/são autêntico(s) e condiz(em) com o(s) original(ais).

Documento(s) apresentado(s):

1. procuraçao jucemg - 1 página(s)
2. doc. identidade socio Nikolas - 1 página(s)
3. doc. identidade socia Laura - 1 página(s)
4. declaraçao autenticidade - 1 página(s)
5. crc contador - 1 página(s)

Belo Horizonte/MG , 25 de outubro de 2023.

Nome do declarante que assina digitalmente: NILTON NONATO

Junta Comercial do Estado de Minas Gerais
Certifico o registro sob o nº 10985942 em 10/11/2023 da Empresa ANGIOLOGIA LN LTDA., Nire 31212270121 e protocolo 236148745 - 25/10/2023. Autenticação: 7E253032EAA0DC1F289C78A6005F2BB4D1AEAD. Marinely de Paula Bomfim - Secretária-Geral. Para validar este documento, acesse http://www.jucemg.mg.gov.br e informe nº do protocolo 23/614/074-5 e o código de segurança 8waC Esta cópia foi autenticada digitalmente e assinada em 10/11/2023 por Marinely de Paula Bomfim Secretária Geral.

MARINELY DE PAULA BOMFIM
SECRETÁRIA GERAL

Junta Comercial do Estado de Minas Gerais

TERMO DE AUTENTICAÇÃO - REGISTRO DIGITAL

Certifico que o ato, assinado digitalmente, da empresa ANGIOLOGIA LN LTDA., de NIRE 3121227012-1 e protocolado sob o número 23/614.874-5 em 25/10/2023, encontra-se registrado na Junta Comercial sob o número 10985942, em 10/11/2023. O ato foi deferido eletrônicamente pelo examinador Laura Aparecida Vieira.

Certifica o registro, a Secretária-Geral, Marinely de Paula Bomfim. Para sua validação, deverá ser acessado o sitio eletrônico do Portal de Serviços / Validar Documentos (https://portalservicos.jucemg.mg.gov.br/Portal/pages/imagemProcesso/viaUnica.jsf) e informar o número de protocolo e chave de segurança.

Capa de Processo

Assinante(s)	
CPF	Nome
513.200.456-34	NILTON NONATO

Documento Principal

Assinante(s)	
CPF	Nome
513.200.456-34	NILTON NONATO

Anexo

Assinante(s)	
CPF	Nome
513.200.456-34	NILTON NONATO

Declaração Documento Principal

Assinante(s)	
CPF	Nome
513.200.456-34	NILTON NONATO

Declaração Documento(s) Anexo(s)

Assinante(s)	
CPF	Nome
513.200.456-34	NILTON NONATO

Belo Horizonte. sexta-feira, 10 de novembro de 2023

Documento assinado eletrônicamente por Laura Aparecida Vieira, Servidor(a) Público(a), em 10/11/2023, às 12:32 conforme horário oficial de Brasília.

A autencidade desse documento pode ser conferida no portal de serviços da jucemg informando o número do protocolo 23/614.874-5.

Junta Comercial do Estado de Minas Gerais
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Junta Comercial do Estado de Minas Gerais

O ato foi deferido e assinado digitalmente por :

Identificação do(s) Assinante(s)	
CPF	Nome
873.638.956-00	MARINELY DE PAULA BOMFIM

Belo Horizonte. sexta-feira, 10 de novembro de 2023

Junta Comercial do Estado de Minas Gerais
Certifico o registro sob o nº 10985942 em 10/11/2023 da Empresa ANGIOLOGIA LN LTDA., Nire 31212270121 e protocolo 236148745 - 25/10/2023. Autenticação: 7E253032EAA0DC1F289C78A6005F2BB4D1AEAD. Marinely de Paula Bomfim - Secretária-Geral. Para validar este documento, acesse http://www.jucemg.mg.gov.br e informe nº do protocolo 23/614.874-5 e o código de segurança 8waC Esta cópia foi autenticada digitalmente e assinada em 10/11/2023 por Marinely de Paula Bomfim Secretária Geral.

MARINELY DE PAULA BOMFIM
SECRETÁRIA GERAL

Exhibit C.II - Second Prong: Independent Expert Testimonials

March 06, 2026

To the competent authorities,

My name is Daniel Einstoss Korman, a vascular surgeon at Odilon Behrens Municipal Hospital in Belo Horizonte, Brazil, where I have worked since 1995. I graduated in Medicine from the Federal University of Minas Gerais (UFMG) and completed my residency in Vascular Surgery at Governador Israel Pinheiro Hospital (IPSEMG). Since 2001, I have also coordinated the vascular surgery training program at our hospital.

I met Dr. Nikolas Duarte Caldeira Brant in March 2016, when he began his medical residency in vascular surgery at our hospital. During this period, I closely followed his work in patient care, clinical discussions, and the surgical activities of the department.

From the beginning, Dr. Nikolas demonstrated that he is a physician committed to patient care and to the proper functioning of the medical team. He has always shown himself to be responsible, attentive to clinical details, and willing to take on important tasks when necessary.

I recall a case that well illustrates his professional attitude. A young patient was admitted with a severe circulatory problem in one of his feet, causing intense pain that did not improve even with strong medication. Due to administrative issues at the hospital, the necessary procedure could not be performed immediately. During this waiting period, Dr. Nikolas took responsibility for performing periodic anesthetic blocks to control the patient's pain, including over the weekend. This attitude helped keep the patient stable and with less suffering until definitive treatment could be carried out.

Experiences like this demonstrate the importance of professionals who maintain a constant commitment to patient well-being, even in situations of structural or operational limitations. In medical practice, especially in fields such as vascular surgery, there is a continuous need for physicians who act with this level of responsibility, clinical attentiveness, and dedication to human care.

In addition to direct patient care, Dr. Nikolas has always demonstrated interest in the diagnostic methods used in vascular surgery, especially vascular ultrasound examinations, which allow for precise assessment of circulation and guide treatment in a safer and more efficient manner.

Throughout the period in which he worked in our department, Dr. Nikolas showed continuous development as a physician, always maintaining an ethical, collaborative, and dedicated attitude toward learning. In my assessment, he is a reliable professional, well prepared to contribute positively in any medical practice environment.

For these reasons, I recommend Dr. Nikolas as a physician committed to the quality of healthcare and to the responsible practice of medicine.

I remain available should any further clarification be required.

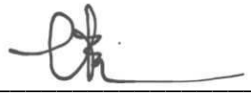
Sincerely,

Dr. Daniel Einstoss Korman
Coordinator of Vascular Surgery - HMOB
CRM-MG 25019

Dr. Daniel Einstoss Korman
Vascular Surgeon
Specialty and Teaching Coordinator in Vascular Surgery
Odilon Behrens Municipal Hospital
Belo Horizonte - Minas Gerais - Brazil
Email: korman@gmail.com
Phone: +55 31 99128-7695

KORMAN
ANGIOLOGY AND VASCULAR SURGERY

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.


_____ Date: April 16, 2026.

06 de março de 2026

Às autoridades competentes,

Meu nome é Daniel Einstoss Korman, médico cirurgião vascular do Hospital Metropolitano Odilon Behrens, em Belo Horizonte, Brasil, onde atuo desde 1995. Sou formado em Medicina pela Universidade Federal de Minas Gerais (UFMG) e concluí minha residência em Cirurgia Vascular no Hospital Governador Israel Pinheiro (IPSEMG). Desde 2001 também coordeno o programa de formação em cirurgia vascular em nosso hospital.

Conheci Dr. Nikolas Duarte Caldeira Brant em março de 2016, quando ele iniciou sua residência médica em cirurgia vascular em nosso hospital. Durante esse período, acompanhei de perto seu trabalho no atendimento aos pacientes, nas discussões clínicas e nas atividades cirúrgicas do serviço.

Desde o início, Dr. Nikolas demonstrou ser um médico comprometido com o cuidado dos pacientes e com o bom funcionamento da equipe médica. Sempre se mostrou responsável, atento aos detalhes clínicos e disposto a assumir tarefas importantes quando necessário.

Recordo de um caso que ilustra bem sua postura profissional. Um paciente jovem foi internado com um problema grave de circulação em um dos pés, o que causava dor intensa que não melhorava mesmo com medicação forte. Por questões administrativas do hospital, o procedimento necessário não pôde ser realizado imediatamente. Durante esse período de espera, Dr. Nikolas assumiu a responsabilidade de realizar bloqueios anestésicos periódicos para controlar a dor do paciente, inclusive durante o final de semana. Essa atitude ajudou a manter o paciente estável e com menos sofrimento até que o tratamento definitivo pudesse ser realizado.

Experiências como essa demonstram a importância de profissionais que mantêm compromisso constante com o bem-estar do paciente, mesmo em situações de limitação estrutural ou operacional. Na prática médica, especialmente em áreas como a cirurgia vascular, há uma necessidade contínua de médicos que atuem com esse nível de responsabilidade, atenção clínica e dedicação ao cuidado humano.

Além do cuidado direto com os pacientes, Dr. Nikolas sempre demonstrou interesse pelos métodos de diagnóstico utilizados na cirurgia vascular, especialmente os exames de ultrassonografia vascular, que permitem avaliar a circulação de forma precisa e orientar o tratamento de forma mais segura e eficiente.

Ao longo do período em que esteve em nosso serviço, Dr. Nikolas mostrou evolução constante como médico, sempre mantendo uma postura ética, colaborativa e dedicada ao aprendizado. Na minha avaliação, trata-se de um profissional confiável e preparado para contribuir de forma positiva em qualquer ambiente de prática médica.

Por essas razões, recomendo Dr. Nikolas como um médico comprometido com a qualidade do cuidado em saúde e com a prática responsável da medicina.

Permaneço à disposição caso sejam necessários esclarecimentos adicionais.

Atenciosamente,

Dr. Daniel Einstoss Korman
Coord. Cirurgia Vascular - HMOB
Mat. 2408-4 CRM-MG 26019

Dr. Daniel Einstoss Korman
Cirurgião Vascular
Coordenador de Especialidade e Ensino em Cirurgia Vascular
Hospital Metropolitano Odilon Behrens
Belo Horizonte – Minas Gerais – Brasil
E-mail: korman@gmail.com
Telefone: +55 31 99128-7695

KORMAN
ANGIOLOGIA E CIRURGIA VASCULAR



Daniel Einstoss Korman

Address to access this CV: https://lattes.cnpq.br/3523495443309570
ID Lattes: **3523495443309570**
Last updated: 07/03/2024

Holds a medical degree from the Federal University of Minas Gerais (1992). Currently serves as specialty and teaching coordinator in Angiology and Vascular Surgery at Odilon Behrens Municipal Hospital, angiologist and vascular surgeon at Unimed Belo Horizonte Cooperativa de Trabalho, and a full member of the Brazilian Society of Angiology and Vascular Surgery in Minas Gerais. He has experience in the field of Medicine, with emphasis on ANGIOLOGY and VASCULAR SURGERY. In private practice, performs vascular diagnostic examinations, such as augmented reality phleboscopy and venous and arterial color Doppler ultrasound (duplex scan). **(Text informed by the author)**

Identification

Name

Daniel Einstoss Korman

Name in bibliographic citations

KORMAN, D. E.

Lattes iD

https://lattes.cnpq.br/3523495443309570

Nationality

Brazil

Address

Professional Address

Odilon Behrens Municipal Hospital.
RUA FORMIGA, 50
SAO CRISTOVAO
31210-780 - Belo Horizonte, Minas Gerais - Brazil
Phone: (31) 32776185

Academic background/degrees

1993 - 1996

Specialization - Medical residency.
Institute of Social Security for State Public Servants of Minas Gerais, IPSEMG, Brazil. Medical residency in: vascular surgery.
Registration number: 054543.
Scholarship holder: Ministry of Education and Culture, MEC, Brazil.
Major Field: Health Sciences
Major Field: Health Sciences / Area: Medicine / Subarea: vascular surgery.

2004 - 2004

Advanced Training in CONTINUING EDUCATION COURSE IN VASCULAR ULTRASOUND (Workload: 24 hours).
Brazilian Society of Angiology and Vascular Surgery - Minas Gerais, SBACV/MG, Brazil.
Title: CONTINUING EDUCATION COURSE IN VASCULAR ULTRASONOGRAPHY. Year of completion: 2004.

2000 - 2000

Advanced Training in I THEORETICAL-PRACTICAL COURSE IN ENDOVASCULAR SURGERY (Workload: 12 hours).
Brazilian Society of Angiology and Vascular Surgery - Minas Gerais, SBACV/MG, Brazil.
Title: I THEORETICAL-PRACTICAL COURSE IN ENDOVASCULAR

SURGERY. Year of completion: 2000.
Advisor: TULIO PINHO NAVARRO.

1996 - 1996

Advanced Training in vascular surgery (Workload:
360 hours).
University Hospital Center - Hôpital de la Conception Hospital,
CHU/Conception, France.
Title: vascular surgery. Year of completion: 1996.
Advisor: Alain Brancherau.

1987 - 1992

Bachelor of Medicine.
Federal University of Minas Gerais, UFMG, Brazil.

Professional Experience

Odilon Behrens Municipal Hospital, HOB, Brazil.

Institutional Affiliation

1995 - Present

Employment Type: Public Servant, Job Title:
SPECIALTY AND TEACHING COORDINATOR.
Workload: 40 hours

Additional information

Coordinates the team of angiologists and vascular surgeons, in addition to serving as a preceptor and Coordinator of the Medical Residency in Vascular Surgery at this hospital.

Brazilian Society of Angiology and Vascular Surgery - Minas Gerais, SBACV/MG, Brazil.

Institutional Affiliation

2001 - Present

Employment Type: FULL MEMBER. Job Title: MEMBER - FULL MEMBER

Unimed Belo Horizonte Cooperativa de Trabalho Médico, UNIMED/BH, Brazil.

Institutional Affiliation

2002 - Present

Employment Type: COOPERATING PHYSICIAN. Job Title: ANGIOLOGIST AND VASCULAR SURGEON.
Workload: 18 hours

Additional information

Provides consultations in Angiology and Vascular Surgery, performs vascular color Doppler ultrasound examinations, and carries out vascular surgeries under this health insurance plan.

ECOAR - MEDICINA DIAGNÓSTICA, ECOAR, Brazil.

Institutional Affiliation

2001 - 2010

Employment Type: VASCULAR ULTRASOUND PHYSICIAN. Job Title: ANGIOLOGIST AND VASCULAR ULTRASOUND SPECIALIST. Workload: 12 hours

Areas of Expertise

1.

Major Field: Health Sciences / Area: Medicine / Subarea: ANGIOLOGY.

2.

Major Field: Health Sciences / Area: Medicine / Subarea: vascular surgery.

3.

Major Field: Health Sciences / Area: Medicine.

4.

Major Field: Health Sciences / Area: Medicine / Subarea: vascular duplex scanning.

Language skills

German

Understands Reasonably, Speaks Reasonably, Reads Reasonably, Writes Little.

French

Understands Well, Speaks Reasonably, Reads Well, Writes Reasonably.

English

Understands Well, Speaks Well, Reads Well, Writes Well.

Productions

Bibliographical Production

Paper Presentations

1.

KORMAN, D. E.. ADJUSTMENT OF PARAMETERS IN TRANSDERMAL VASCULAR LASER. 2023. (Paper presentation/Congress).

2.

KORMAN, D. E.. AORTIC PSEUDOANEURYSM: UNUSUAL PRESENTATION. 2009. (Paper presentation/Congress).

3.

KORMAN, D. E.. APPROACH TO THE INFECTED NON-ISCHEMIC DIABETIC FOOT: INITIAL REPORT. 2009. (Paper presentation/Congress).

4.

KORMAN, D. E.. HEPARIN-INDUCED THROMBOCYTOPENIA AND CATASTROPHIC SYNDROME. 2008. (Paper presentation/Congress).

5.

KORMAN, D. E.. ILIAC ANEURYSM IN A CHILD: ETIOPATHOGENESIS, DIAGNOSIS AND TREATMENT. 2008. (Paper presentation/Conference or lecture).

Events

Participation in events, congresses, exhibitions, and fairs

1.

INTERNATIONAL SYMPOSIUM OF PHLEBOLOGY 2023. ADJUSTMENT OF PARAMETERS IN TRANSDERMAL VASCULAR LASER. 2023. (Symposium).

2.

IV MINAS GERAIS SYMPOSIUM OF PHLEBOLOGY. 2011. (Symposium).

3.

SBACV SCIENTIFIC MEETING. PERIPHERAL FASCIOTOMIES - SCIENTIFIC EVIDENCE OR CLINICAL EXPERIENCE. 2010. (Meeting)

4.

XI MINAS GERAIS MEETING OF ANGIOLOGY AND VASCULAR SURGERY. 2010. (Meeting).

5.

III MINAS GERAIS SYMPOSIUM OF PHLEBOLOGY. PARAMETERS FOR DISCONTINUING ANTICOAGULATION. 2009. (Symposium).

6.

SBACV SCIENTIFIC MEETING. VASCULAR ULTRASONOGRAPHY. 2008. (Symposium).

7.

X MINAS GERAIS MEETING OF ANGIOLOGY AND VASCULAR SURGERY. CAROTID TERRITORY: CRITICAL ANALYSIS FOR OPEN SURGICAL APPROACH. 2008. (Congress).

8.

X MINAS GERAIS MEETING OF ANGIOLOGY AND VASCULAR SURGERY. 2008. (Congress).

9.

PRE-CONGRESS COURSE IN AESTHETIC PHLEBOLOGY. 2006. (Congress).

10.

PERIPHERAL ARTERIAL OCCLUSIVE DISEASE. SYMPOSIUM ON PAOD. 2006. (Symposium).

11.

II CONGRESS OF THE LATIN AMERICAN CHAPTER OF THE INTERNATIONAL UNION OF ANGIOLOGY. 2006. (Congress).

12.

II CONGRESS OF THE LATIN AMERICAN CHAPTER OF THE INTERNATIONAL UNION OF ANGIOLOGY. DEEP VEIN THROMBOSIS. 2006. (Congress).

13.

IX BRAZILIAN CONGRESS OF PHLEBOLOGY AND LYMPHOLOGY. 2006. (Congress).

14.

SBACV SCIENTIFIC MEETING. ROUND TABLE - VASCULAR CLINICAL EXAMINATION. 2006. (Other).

15.

I BRAZILIAN CONGRESS OF VASCULAR ULTRASOUND. 2004. (Congress).

16.

VIII MINAS GERAIS MEETING OF ANGIOLOGY AND VASCULAR SURGERY. 2004. (Congress).

17.

XXXIV BRAZILIAN CONGRESS OF ANGIOLOGY AND VASCULAR SURGERY. 2001. (Congress).

18.

XXXIII BRAZILIAN CONGRESS OF ANGIOLOGY AND VASCULAR SURGERY. 1999. (Congress).

Education and Popularization of C & T

Paper Presentations

1.

KORMAN, D. E.. ADJUSTMENT OF PARAMETERS IN TRANSDERMAL VASCULAR LASER. 2023. (Paper presentation/Congress).

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I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.


_____ Date: April 20, 2026.



Daniel Einstoss Korman

Endereço para acessar este CV: https://lattes.cnpq.br/3523495443309570
ID Lattes: **3523495443309570**
Última atualização do currículo em 03/07/2024

Possui graduação em medicina pela Universidade Federal de Minas Gerais (1992). Atualmente é coordenador de especialidade e ensino em Angiologia e Cirurgia Vascular do Hospital Municipal Odilon Behrens, medico angiologista e cirurgiao vascular - Unimed Belo Horizonte Cooperativa de Trabalho e socio - membro efetivo da Sociedade Brasileira de Angiologia e Cirurgia Vascular - MG. Tem experiência na área de Medicina, com ênfase em ANGIOLOGIA e CIRURGIA VASCULAR. No consultorio particular atua realizando exame de propedeutica vascular , como fleboscopia por realidade aumentada e ecocolordoppler venoso e arterial (duplex scan). **(Texto informado pelo autor)**

Identificação

Nome

Daniel Einstoss Korman

Nome em citações bibliográficas

KORMAN, D. E.

Lattes iD

https://lattes.cnpq.br/3523495443309570

País de Nacionalidade

Brasil

Endereço

Endereço Profissional

Hospital Municipal Odilon Behrens.
RUA FORMIGA, 50
SAO CRISTOVAO
31210-780 - Belo Horizonte, MG - Brasil
Telefone: (31) 32776185

Formação acadêmica/titulação

1993 - 1996

Especialização - Residência médica.
Instituto de Previdencia dos Servidores do Estado de Minas Gerais, IPSEMG, Brasil. Residência médica em: cirurgia vascular
Número do registro: 054543.
Bolsista do(a): ministerio de educacao e cultura, MEC, Brasil.
Grande área: Ciências da Saúde
Grande Área: Ciências da Saúde / Área: Medicina / Subárea: cirurgia vascular.

2004 - 2004

Aperfeiçoamento em CURSO DE EDUC. CONT. US VASCULAR. (Carga Horária: 24h).
Sociedade Brasileira de Angiologia e Cirurgia Vascular - MG, SBACV/MG, Brasil.
Título: CURSO EDUCACAO CONTINUADA ULTRA-SONOGRAFIA VASCULAR. Ano de finalização: 2004.

2000 - 2000

Aperfeiçoamento em I CURSO TEORICO-PRATICO CIR. ENDOVASCULAR. (Carga Horária: 12h).
Sociedade Brasileira de Angiologia e Cirurgia Vascular - MG, SBACV/MG, Brasil.
Título: I CURSO TEORICO PRATICO DE CIRURGIA

ENDOVASCULAR. Ano de finalização: 2000.
Orientador: TULIO PINHO NAVARRO.

1996 - 1996

Aperfeiçoamento em cirurgia vascular. (Carga Horária: 360h).
Centre Hospitalier Universitaire - Hôpital de la Conception, CHU/Conception, França.
Título: cirurgia vascular. Ano de finalização: 1996.
Orientador: alain brancherau.

1987 - 1992

Graduação em medicina.
Universidade Federal de Minas Gerais, UFMG, Brasil.

Atuação Profissional

Hospital Municipal Odilon Behrens, HOB, Brasil.

Vínculo institucional

1995 - Atual

Vínculo: Servidor Público, Enquadramento Funcional: COORDENADOR DE ESPECIALIDADE E ENSINO, Carga horária: 40

Outras informações

Coordena a equipe de médicos angiologistas e cirurgiões vasculares além de ser preceptor e Coordenador da Residência médica em Cirurgia Vascular deste hospital.

Sociedade Brasileira de Angiologia e Cirurgia Vascular - MG, SBACV/MG, Brasil.

Vínculo institucional

2001 - Atual

Vínculo: MEMBRO EFETIVO, Enquadramento Funcional: SOCIO - MEMBRO EFETIVO

Unimed Belo Horizonte Cooperativa de Trabalho Médico, UNIMED/BH, Brasil.

Vínculo institucional

2002 - Atual

Vínculo: MEDICO COOPERADO, Enquadramento Funcional: MEDICO ANGIOLOGISTA E CIRURGIAO VASCULAR, Carga horária: 18

Outras informações

Atende consultas de Angiologia e Cirurgia Vascular, realiza exames de eco-collor-doppler vascular e realiza cirurgias vasculares através deste convênio

ECOAR - MEDICINA DIAGNÓSTICA, ECOAR, Brasil.

Vínculo institucional

2001 - 2010

Vínculo: MÉDICO ECOGRAFISTA VASCULAR, Enquadramento Funcional: MEDICO ANGIOLOGISTA E ECOGRAFISTA VASCULAR, Carga horária: 12

Áreas de atuação

1.

Grande área: Ciências da Saúde / Área: Medicina / Subárea: ANGIOLOGIA.

2.

Grande área: Ciências da Saúde / Área: Medicina / Subárea: cirurgia vascular.

3.

Grande área: Ciências da Saúde / Área: Medicina.

4.

Grande área: Ciências da Saúde / Área: Medicina / Subárea: duplex scan vascular.

Idiomas

Alemão

Compreende Razoavelmente, Fala Razoavelmente, Lê Razoavelmente, Escreve Pouco.

Francês

Compreende Bem, Fala Razoavelmente, Lê Bem, Escreve Razoavelmente.

Inglês

Compreende Bem, Fala Bem, Lê Bem, Escreve Bem.

Produções

Produção bibliográfica

Apresentações de Trabalho

1.

KORMAN, D. E.. AJUSTE DE PARAMETROS EM LASER TRANSDERMICO VASCULAR. 2023. (Apresentação de Trabalho/Congresso).

2.

KORMAN, D. E.. PSEUDOANEURISMA DE AORTA : APRESENTACAO INCOMUM. 2009. (Apresentação de Trabalho/Congresso).

3.

KORMAN, D. E.. ABORDAGEM DO PE DIABETICO INFECTADO NAO ISQUEMICO : REGISTRO INICIAL. 2009. (Apresentação de Trabalho/Congresso).

4.

KORMAN, D. E.. TROMBOCITOPENIA INDUZIDA POR HEPARINA E SINDROME CATASTROFICA. 2008. (Apresentação de Trabalho/Congresso).

5.

KORMAN, D. E.. ANEURISMA ILIACO EM CRIANÇA: ETIOPATOGENIA , DIAGNOSTICO E TRATAMENTO. 2008. (Apresentação de Trabalho/Conferência ou palestra).

Eventos

Participação em eventos, congressos, exposições e feiras

1.

SIMPOSIO INTERNACIONAL DE FLEBOLOGIA 2023.AJUSTE DE PARAMETROS EM LASER TRANSDERMICO VASCULAR. 2023. (Simpósio).

2.

IV SIMPOSIO MINEIRO DE FLEBOLOGIA. 2011. (Simpósio).

3.

REUNIAO CIENTIFICA SBACV.FASCIOTOMIAS PERIFERICAS - EVIDENCIAS CIENTIFICAS OU EXPERIENCIA CLINICA. 2010. (Encontro).

4.

XI ENCONTRO MINEIRO DE ANGIOLOGIA E CIRURGIA VASCULAR. 2010. (Encontro).

5.

III SIMPOSIO MINEIRO DE FLEBOLOGIA.PARAMETROS PARA INTERROMPER A ANTICOAGULACAO. 2009. (Simpósio).

6.

REUNIAO CIENTIFICA SBACV.ECOGRAFIA VASCULAR. 2008. (Simpósio).

7.

X ENCONTRO MINEIRO DE ANGIOLOGIA E CIRURGIA VASCULAR. TERRITORIO CAROTIDEANO : ANALISE CRITICA PARA ABORDAGEM CIRURGICA A CEU ABERTO. 2008. (Congresso).

8.

X ENCONTRO MINEIRO DE ANGIOLOGIA E CIRURGIA VASCULAR. 2008. (Congresso).

9.

CURSO PRE-CONGRESSO DE FLEBOLOGIA ESTETICA. 2006. (Congresso).

10.

DOENCA ARTERIAL OBSTRUTIVA PERIFERICA.SIMPOSIO SOBRE DAOP. 2006. (Simpósio).

11.

II CONGRESSO DO CAPITULO LATINO AMERICANO DA UNIAO INTERNACIONAL DE ANGIOLOGIA. 2006. (Congresso).

12.

II CONGRESSO DO CAPITULO LATINO AMERICANO DA UNIAO INTERNACIONAL DE ANGIOLOGIA. TROMBOSE VENOSA PROFUNDA. 2006. (Congresso).

13.

IX CONGRESSO BRASILEIRO DE FLEBOLOGIA E LINFOLOGIA. 2006. (Congresso).

14.

REUNIAO CIENTIFICA SBACV.MESA REDONDA - PROPEDEUTICA VASCULAR. 2006. (Outra).

15.

I CONGRESSO BRASILEIRO DE ECOGRAFIA VASCULAR. 2004. (Congresso).

16.

VIII ENCONTRO MINEIRO DE ANGIOLOGIA E CIRURGIA VASCULAR. 2004. (Congresso).

17.

XXXIV CONGRESSO BRASILEIRO DE ANGIOLOGIA E CIRURGIA VASCULAR. 2001. (Congresso).

18.

XXXIII CONGRESSO BRASILEIRO DE ANGIOLOGIA E CIRURGIA VASCULAR. 1999. (Congresso).

Educação e Popularização de C & T

Apresentações de Trabalho

1.

KORMAN, D. E.. AJUSTE DE PARAMETROS EM LASER TRANSDERMICO VASCULAR. 2023. (Apresentação de Trabalho/Congresso).

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FABRICIO LADEIRA
ANGIOLOGIA E CIRURGIA VASCULAR

https://fabricioladeira.com.br/
fabriciovascular@gmail.com
+55 (31) 3262 0951 | +55 (31) 99113 8618

February 3rd, 2026

To the USCIS Immigration Officer,

I am writing to provide my professional evaluation of Dr. Nikolas Duarte Caldeira Brant based on our extensive collaboration in the field of Vascular Surgery. My name is Fabrício Neto Ladeira, M.D., a board-certified vascular surgeon with over fifteen years of experience in surgical practice and medical education. I currently serve as an attending vascular surgeon and Residency Preceptor in Vascular Surgery at Odilon Behrens Municipal Hospital. I also practice at Vila da Serra Hospital and Hospital Orizonti in Minas Gerais, Brazil, and maintain a private vascular surgery clinic in Belo Horizonte, where I provide specialized vascular and endovascular care. I am an active member of the Society for Vascular Surgery (United States) and the Brazilian Society of Angiology and Vascular Surgery (SBACV).

I first met Dr. Brant in March 2016 at Odilon Behrens Municipal Hospital, where I serve as Coordinator of the Vascular Surgery Residency Program. In this role, I directly supervised his specialized training, closely monitoring his technical development in the operating room, his proficiency in vascular ultrasonography, and his academic performance.

From the beginning of his residency, Dr. Brant demonstrated exceptional technical aptitude and rapid assimilation of advanced vascular surgical concepts. His progression toward clinical autonomy was consistent and well structured. By the second half of the program, he demonstrated sufficient maturity to independently manage high-complexity vascular procedures, often without the need for direct intervention from senior surgeons. Among the residents I have trained throughout my career, Dr. Brant consistently ranked among the most technically prepared and clinically mature, actively contributing to therapeutic discussions and decision-making in the institution's most severe and complex cases.

I personally witnessed his strategic clinical reasoning during a complex iliac artery angioplasty performed to treat lower limb ischemia. After standard brachial access failed to advance through a severe arterial lesion, Dr. Brant proposed performing a distal endarterectomy beyond the target site. This intervention created an alternative access route that allowed successful completion of the revascularization procedure and restoration of adequate limb perfusion. His conduct demonstrated refined surgical judgment, deep anatomical understanding, and operative confidence.

On another occasion, a patient presenting with acute arterial thrombosis and imminent risk of limb loss required urgent fibrinolytic therapy. In the absence of an available intensive care unit bed, continuous monitoring was required to carefully titrate medication and prevent both

Dr. Fabrício Neto Ladeira
CRM MG 36836
CONTROLE 5041843

recurrent thrombosis and severe hemorrhagic complications. Dr. Brant remained overnight in the surgical unit to personally monitor the patient until safe transfer to intensive care was possible. This episode reflected his strong sense of responsibility, commitment to patient safety, and ability to function effectively under high-pressure clinical conditions.

Beyond his direct clinical duties, Dr. Brant demonstrated initiative in improving institutional practice. During the implementation of outpatient foam sclerotherapy for varicose vein treatment, he contributed to the organization of service logistics and clinical scheduling to ensure program viability. This initiative expanded access to minimally invasive vascular treatment for public health patients while strengthening the residency training environment.

Physicians with this level of training, demonstrated expertise in high-complexity vascular interventions, and consistent technical leadership represent a meaningful asset to healthcare systems facing increasing demand for specialized vascular care and advanced surgical precision.

I fully support Dr. Nikolas Duarte Caldeira Brant's professional endeavors. His technical competence, clinical maturity, and unwavering commitment to high standards of patient care consistently result in safe and effective outcomes.

Sincerely,

Dr. Fabrício Neto Ladeira
CRM MG 36836
CONTROLE 5041643

Fabrício Neto Ladeira

Fabrício Neto Ladeira, MD
Vascular Surgeon and Residency Preceptor
Odilon Behrens Municipal Hospital – Minas Gerais, Brazil
Vascular Surgeon
Hospital Vila da Serra – Nova Lima, Brazil
Hospital Orizonti – Belo Horizonte, Brazil
Private Vascular Surgery Practice
Belo Horizonte, Brazil

FABRICIO NETO LADEIRA, MD

Angiology and Vascular Surgery
CRM-MG 36636 | RQE 16944
Belo Horizonte – MG, Brasil

PROFESSIONAL SUMMARY

Board-certified Vascular Surgeon with over 15 years of experience in vascular surgery, vascular ultrasound, and medical education. Active attending physician and residency preceptor at major hospitals in Minas Gerais, with leadership roles in residency coordination, diagnostic vascular imaging services, and ethics committees. Member of national and international vascular surgery societies.

EDUCATION & MEDICAL TRAINING

Residency in Vascular Surgery
Hospital Municipal Odilon Behrens – Belo Horizonte, Brazil
2005 – 2007

Residency in General Surgery
Hospital Universitário São José – Belo Horizonte, Brazil
2004 – 2005

Doctor of Medicine (MD)
Centro Universitário Serra dos Órgãos – Brazil
1995 – 2001

BOARD CERTIFICATIONS & SPECIALIZATION

- Specialist in **Vascular Surgery**
  Sociedade Brasileira de Angiologia e Cirurgia Vascular (SBACV)
- Specialist in **Vascular Ultrasonography**
  Colégio Brasileiro de Radiologia & SBACV

PROFESSIONAL EXPERIENCE

Hospital Municipal Odilon Behrens – Belo Horizonte, Brazil
Vascular Surgeon & Residency Preceptor
2009 – Present

- Attending vascular surgeon in a public tertiary hospital
- Residency preceptor in Vascular Surgery
- Former member of the Hospital Ethics Committee (2012–2015)

Hospital Vila da Serra – Nova Lima, Brazil
Vascular Surgeon
2010 – Present

- Autonomous vascular surgeon providing surgical and outpatient care

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Laboratório Hermes Pardini – Brazil
Vascular Ultrasonography Specialist
2010 – Present

- Coordinator of the Vascular Ultrasonography Service
- Diagnostic vascular imaging and technical supervision

ACADEMIC & LEADERSHIP ROLES

- Coordinator, **Vascular Surgery Residency Program**
  Hospital Municipal Odilon Behrens
- Preceptor in Vascular Surgery
  Hospital Municipal Odilon Behrens
  Hospital Vila da Serra
  Hospital Life Center
- Member, Committee of Medical Specialties (Angiology & Vascular Surgery)
  Unimed/BH

PROFESSIONAL AFFILIATIONS

- Member, **Society for Vascular Surgery (SVS)** – USA
- Full Member, **Sociedade Brasileira de Angiologia e Cirurgia Vascular (SBACV)**

AWARDS

- **Eduardo Borges da Costa Award** – 2005
  Brazilian Congress of General Surgery
  Distal pancreatectomy with splenic preservation by videolaparoscopy

---

SCIENTIFIC & ACADEMIC ACTIVITIES

- Author and presenter of multiple case reports and scientific communications in national congresses of:
  - Angiology and Vascular Surgery
  - General Surgery
  - Phlebology and Lymphology
- Participation in more than **30 national and international medical congresses and symposia** (1998–2012)

LANGUAGES

- **Portuguese:** Native
- **English:** Reading and technical comprehension

CONTACT

📍 Belo Horizonte – MG, Brazil
📞 +55 (31) 3262-0951 | +55 (31) 97546-0010
📧 contato@fabricioladeira.com.br

Angio Laser BH

Fernando de Assis Figueiredo Júnior,
M.D., MSc.
Email: fafigjunior@uol.com.br
Phone: +55 (31) 99309-0479

To whom it may concern,

I am a physician graduated from the Federal University of Minas Gerais (1990), a specialist in General Surgery and Trauma, Angiology and Vascular Surgery, with practice in Angioradiology and Vascular Ultrasound with Doppler.

I served as Coordinator of the Vascular Surgery Service of the Betim City Hall between 1994 and 2023, during which I founded and coordinated the specialty's medical residency program. Over more than thirty years of clinical and educational practice, I have directly followed the technical development of numerous vascular surgeons at different stages of their careers.

Dr. Nikolas Duarte Caldeira Brant joined the Vascular Surgery team of the Prefeito Osvaldo Rezende Franco Regional Hospital in 2018, under my coordination.

Since his arrival, he stood out for his level of autonomy and for his ability in clinical analysis, compatible with professionals at a more advanced stage of practice. He demonstrated confidence in surgical indication, operative planning, and intraoperative management, with reasoning based on consistent anatomical, pathophysiological, and technical criteria.

In one of his first procedures in the service, there was a disagreement regarding the technical strategy to be adopted during the surgery. After being consulted, I reviewed the case and concluded that the approach proposed by Dr. Nikolas was the most appropriate from a technical standpoint. The situation demonstrated his capacity for independent judgment, supported by objective reasoning, even in the face of an established professional hierarchy.

During the period in which he worked in the team, he began to independently take night shifts in a unit that receives more complex vascular cases, including patients with acute limb ischemia, postoperative complications, and hemodynamically unstable situations. On several occasions, he acted as the responsible surgeon for severe cases whose likely outcome, in the absence of timely and technically appropriate intervention, would have been amputation or significant clinical deterioration.

His management of these cases was characterized by a clear definition of therapeutic priorities, appropriate indication for surgical intervention, and safe technical execution.

Avenida Brasil, 1714 - room 901
Funcionários - Belo Horizonte - MG

The progressively assigned autonomy to him resulted from continuous evaluation of his performance, reflecting institutional confidence in his decision-making capacity.

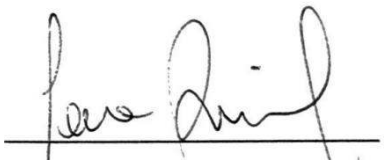
In comparison with other surgeons with similar training and length of practice, Dr. Nikolas demonstrates clinical maturity and technical consistency above the average observed for this stage of professional development. His ability to sustain well-founded decisions, perform procedures safely, and assume full responsibility for high-demand on-call shifts demonstrates solid preparedness for practice in higher-complexity services.

Based on my professional experience working alongside him, I recommend Dr. Nikolas for practice in the field of Vascular Surgery, as I recognize in his practice technical consistency, clinical responsibility, and a professional attitude appropriate to the demands of the specialty.

I remain available for any further clarifications.

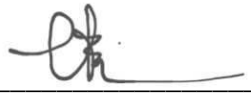
Sincerely,

February 28, 2026



Fernando de Assis Figueiredo Júnior, M.D., M.Sc.
ANGIOLASER - Núcleo de Diagnóstico e Tratamento em Angiologia
Avenida Brasil, 1714, room 901
Funcionários - Belo Horizonte - MG - ZIP Code 30104-004

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.


_____ Date: April 15, 2026.

Angio Laser BH

Fernando de Assis Figueiredo Júnior, M.D., M.Sc.
E-mail: fafigjunior@uol.com.br
Telefone: +55 (31) 99309-0479

A quem possa interessar,

Sou médico formado pela Universidade Federal de Minas Gerais (1990), especialista em Cirurgia Geral e do Trauma, Angiologia e Cirurgia Vascular, com atuação em Angiorradiologia e Ecografia Vascular com Doppler.

Fui Coordenador do Serviço de Cirurgia Vascular da Prefeitura Municipal de Betim entre 1994 e 2023, período em que fundei e coordenei o programa de residência médica da especialidade. Ao longo de mais de trinta anos de prática clínica e formativa, acompanhei diretamente a evolução técnica de numerosos cirurgiões vasculares em diferentes estágios de carreira.

O Dr. Nikolas Duarte Caldeira Brant passou a integrar a equipe de Cirurgia Vascular do Hospital Regional Prefeito Osvaldo Rezende Franco em 2018, sob minha coordenação.

Desde sua chegada, destacou-se pelo nível de autonomia e pela capacidade de análise clínica compatíveis com profissionais em estágio mais avançado de atuação. Demonstrava segurança na indicação cirúrgica, planejamento operatório e condução intraoperatória, com raciocínio fundamentado em critérios anatômicos, fisiopatológicos e técnicos consistentes.

Em um de seus primeiros procedimentos no serviço, houve divergência quanto à estratégia técnica a ser adotada durante a cirurgia. Após ser consultado, revisei o caso e concluí que a conduta proposta pelo Dr. Nikolas era a mais adequada sob o ponto de vista técnico. A situação evidenciou capacidade de julgamento independente, sustentado por argumentação objetiva, mesmo diante de hierarquia profissional estabelecida.

Ao longo do período em que atuou na equipe, passou a assumir plantões noturnos de forma autônoma em unidade que recebe casos vasculares de maior complexidade, incluindo pacientes com isquemia aguda de membros, complicações pós-operatórias e situações com instabilidade hemodinâmica. Em diversas ocasiões, respondeu como cirurgião responsável por casos graves cujo desfecho provável, na ausência de intervenção oportuna e tecnicamente adequada, seria amputação ou agravamento clínico significativo.

Sua condução desses casos caracterizava-se por definição clara de prioridades terapêuticas, adequada indicação de intervenção cirúrgica e execução técnica segura.

Av. Brasil, 1714 - sala 901
Funcionários - Belo Horizonte - MG

A autonomia progressivamente atribuída a ele decorreu de avaliação contínua de seu desempenho, refletindo confiança institucional em sua capacidade decisória.

Em comparação com outros cirurgiões com formação e tempo de atuação semelhantes, o Dr. Nikolas apresenta maturidade clínica e consistência técnica acima da média observada para essa fase profissional. Sua capacidade de sustentar decisões fundamentadas, conduzir procedimentos com segurança e assumir responsabilidade integral por plantões de alta demanda demonstra preparo sólido para atuação em serviços de maior complexidade.

Com base na experiência profissional que tive ao seu lado, recomendo o Dr. Nikolas para atuação na área de Cirurgia Vascular, por reconhecer em sua prática consistência técnica, responsabilidade clínica e postura profissional adequada às exigências da especialidade.

Permaneço à disposição para eventuais esclarecimentos.

Atenciosamente, 28 de fevereiro de 2026

Fernando de Assis Figueiredo Júnior, M.D., M.Sc.
ANGIOLASER – Núcleo de Diagnóstico e Tratamento em Angiologia
Av. Brasil, 1714, sala 901
Funcionários – Belo Horizonte – MG – CEP 30104-004

Fernando de Assis Figueiredo Júnior
Avenida Brasil 1714 room 901 – Funcionários – Belo Horizonte – MG
ZIP Code: 30104-004
Phone: (31) 993090479
Email: fafigjunior@uol.com.br
Date of birth: 04/04/1967

Academic Background:

Medical School - Federal University of Minas Gerais
Medicine
Completion – December/1990.

Degrees:

Specialist Certification in General Surgery and Trauma – RQE - 23673
Specialist Certification in Angiology and Vascular Surgery – RQE - 23674
Certificate of Area of Expertise in Angioradiology and Endovascular Surgery – RQE - 63177
Certificate of Area of Expertise in Vascular Ultrasound with Doppler – RQE - 67769.
Master's Degree in Applied Sciences to Surgery and Ophthalmology from the Federal University of Minas Gerais – June/2018.

Work Experience:

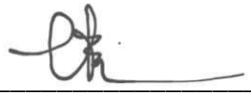
Angiology and Vascular Surgery: 1997 to present.
General Surgery and Trauma Surgery: 1991 – 2000.
Angioradiology and Endovascular Surgery: 2010 to present.
Vascular Ultrasound with Doppler: 2014 to present.

Work Experience:
ANGIOLASER – Núcleo de Diagnóstico e Tratamento em Angiologia: 1997 to present.
Betim City Hall – Coordinator of the Vascular Surgery Service: 1994 to 2023 (retirement). Founder of the medical residency program in Vascular Surgery and coordinator until 2023.
Governador Israel Pinheiro Hospital: 2002 to present. Preceptor of the medical residency program in Vascular Surgery.
João XXIII Trauma Hospital: 1993 to 2000.

Other activities:

Director of Professional Defense of the Brazilian Society of Angiology and Vascular Surgery - Minas Gerais Regional - 2020-2021 biennium.
President of the Brazilian Society of Angiology and Vascular Surgery - Minas Gerais Regional - 2022–2023 biennium.
Director of Professional Defense of the Brazilian Society of Angiology and Vascular Surgery - Minas Gerais Regional - 2024-2025 biennium.

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.


_____ Date: April 20, 2026.

Fernando de Assis Figueiredo Júnior
Av. Brasil 1714 sala 901 – Funcionários – Belo Horizonte – MG
CEP: 30104-004
Telefone: (31) 993090479
E-mail: fafigjunior@uol.com.br
Data de nascimento: 04/04/1967

Formação Acadêmica:

Faculdade de Medicina - Universidade Federal de Minas Gerais
Medicina
Conclusão – dezembro/1990.

Titulação:

Título de Especialista em Cirurgia Geral e do Trauma – RQE - 23673
Título de Especialista em Angiologia e Cirurgia Vascular – RQE - 23674
Certificado de Área de Atuação em Angiorradiologia e Cirurgia Endovascular – RQE - 63177
Certificado de Área de Atuação em Ecografia Vascular com Doppler – RQE – 67769.
Mestre em Ciências Aplicadas à Cirurgia e Oftalmologia pela Universidade Federal de Minas Gerais – junho/2018.

Experiência Profissional:

Angiologia e Cirurgia Vascular: 1997 até a presente data.
Cirurgia Geral e Cirurgia do Trauma: 1991 – 2000.
Angiorradiologia e Cirurgia Endovascular: 2010 até a presente data.
Ecografia Vascular com Doppler: 2014 até a presente data.

Experiência Profissional:
ANGIOLASER – Núcleo de Diagnóstico e Tratamento em Angiologia: 1997 até a presente data.
Prefeitura Municipal de Betim – Coordenador do Serviço de Cirurgia Vascular: 1994 até 2023 (aposentadoria). Fundador do programa de residência médica em Cirurgia Vascular e coordenador até a 2023.
Hospital Governador Israel Pinheiro: 2002 até a presente data. Preceptor do programa de residência médica em Cirurgia Vascular.
Hospital do Trauma João XXIII: 1993 até 2000.

Outras atividades:

Diretor de Defesa Profissional da Sociedade Brasileira de Angiologia e Cirurgia Vascular - Regional Minas Gerais - biênio 2020-2021.
Presidente da Sociedade Brasileira de Angiologia e Cirurgia Vascular - Regional Minas Gerais - biênio 2022-2023.
Diretor de Defesa Profissional da Sociedade Brasileira de Angiologia e Cirurgia Vascular - Regional Minas Gerais - biênio 2024-2025.

Gustavo Henrique Dumont Kleinsorge, M.D., M.Sc.
Coordinator of Vascular and Endovascular Surgery
Hospital João XXIII
Hospital Foundation of the State of Minas Gerais (FHEMIG)
Belo Horizonte, MG – Brazil

To Whom It May Concern,

My name is Gustavo Henrique Dumont Kleinsorge. I am a physician trained in General Surgery and Vascular Surgery, with additional specialization in Angioradiology and Endovascular Surgery. I have been practicing as a vascular surgeon at the Hospital Foundation of the State of Minas Gerais (FHEMIG) since 2010, and I currently serve as the Coordinator of Vascular and Endovascular Surgery at Hospital João XXIII, a facility within the state hospital network of Minas Gerais and a reference center for the treatment of trauma patients.

I had the opportunity to work with Dr. Nikolas Duarte Caldeira Brant in the field of Vascular Surgery, directly observing his clinical and surgical performance in a high-complexity hospital environment. From the outset, Dr. Nikolas demonstrated structured clinical reasoning and the ability to support his decisions with sound technical judgment. His practice has consistently been guided by careful analysis of clinical findings and complementary exams, with surgical planning tailored to each patient's condition.

I witnessed his performance in highly severe cases. In one specific situation, a patient admitted to the intensive care unit presented with a large femoral artery pseudoaneurysm secondary to a prior arterial puncture, associated with extensive skin necrosis and a significant risk of limb amputation or death. After a detailed assessment, Dr. Nikolas chose a technically demanding and less invasive ultrasound-guided approach. The procedure was performed with precision, resulting in resolution of the condition without significant complications.

In another instance, a patient was admitted during the early hours of the morning with a ruptured abdominal aortic aneurysm, a condition known to carry high mortality. Dr. Nikolas conducted the initial evaluation, mobilized the team, and promptly initiated the emergency surgical procedure. During surgery, he demonstrated technical control, organization, and composure in decision-making, contributing decisively to a favorable outcome.

Although he did not formally hold a leadership position at that time, he exerted technical influence in discussions of complex cases and in interpreting vascular imaging, and he was frequently consulted by colleagues on therapeutic decision-making.

In my professional experience, the combination of technical competence, clinical maturity, and ethical conduct demonstrated by Dr. Nikolas is uncommon among professionals with a similar level of training. His ability to assume progressively greater responsibilities in a high-demand clinical environment reflects the institutional confidence in his judgment and preparedness. I consider Dr. Nikolas to possess the technical qualifications and professional responsibility consistent with the demands of contemporary Vascular Surgery, and he is fully capable of practicing in this field with safety and consistency.

This recommendation is issued independently and is based solely on my direct professional experience.

I remain available for any further clarification.
Sincerely,

Dr. Gustavo H. D. Kleinsorge
ROE NP 25524 – Vascular Surgery
Angiologist and Endovascular Surgeon
Vascular Ultrasound with DOPPLER
CRM 41188
CONTROL No. 948909

Gustavo Henrique Dumont Kleinsorge, M.D., M.Sc.
E-mail: gustavokleinsorge@yahoo.com.br
Phone: +55 (31) 98479-3189

02/03/2026

I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English, as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.

Marina Viana

Date: April, 17 2026

Gustavo Henrique Dumont Kleinsorge, M.D., M.Sc.
Coordenador da Cirurgia Vascular e Endovascular
Hospital João XXIII
Fundação Hospitalar do Estado de Minas Gerais – FHEMIG
Belo Horizonte – MG

A quem possa interessar,

Meu nome é Gustavo Henrique Dumont Kleinsorge. Sou médico com formação em Cirurgia Geral e Cirurgia Vascular, além de especialização em Angiorradiologia e Cirurgia Endovascular. Atuo como cirurgião vascular na Fundação Hospitalar do Estado de Minas Gerais (FHEMIG) desde 2010 e atualmente exerço a função de Coordenador da Cirurgia Vascular e Endovascular no Hospital João XXIII, unidade integrante da rede estadual de hospitais de Minas Gerais e referência no atendimento a pacientes vítimas de trauma.

Tive a oportunidade de trabalhar com o Dr. Nikolas Duarte Caldeira Brant na área de Cirurgia Vascular, acompanhando diretamente sua atuação clínica e cirúrgica em ambiente hospitalar de alta complexidade. Desde o início, o Dr. Nikolas demonstrou raciocínio clínico estruturado e capacidade de fundamentar suas decisões com segurança técnica. Sua conduta sempre se pautou por análise criteriosa dos achados clínicos e exames complementares, com planejamento operatório adequado às condições de cada paciente.

Presenciei sua atuação em casos de elevada gravidade. Em uma situação específica, um paciente internado em unidade de terapia intensiva apresentou pseudoaneurisma volumoso de artéria femoral secundário a punção arterial prévia, associado a necrose cutânea extensa e risco concreto de amputação do membro ou óbito. Após avaliação detalhada, o Dr. Nikolas optou por abordagem guiada por ultrassonografia, tecnicamente exigente e menos invasiva. O procedimento foi conduzido com precisão, resultando na resolução do quadro sem intercorrências significativas.

Em outro episódio, um paciente foi admitido durante a madrugada com aneurisma de aorta abdominal roto, condição sabidamente associada a elevada mortalidade. O Dr. Nikolas realizou a avaliação inicial, mobilizou a equipe e iniciou prontamente o procedimento cirúrgico de urgência. Durante a cirurgia, demonstrou controle técnico, organização e equilíbrio na tomada de decisões, contribuindo de forma decisiva para o desfecho favorável do caso.

Embora não ocupasse formalmente cargo de liderança naquele período, exercia influência técnica nas discussões de casos complexos e na interpretação de exames vasculares, sendo frequentemente consultado pelos colegas quanto à definição de condutas terapêuticas.

Em minha experiência profissional, a combinação de competência técnica, maturidade clínica e postura ética demonstrada pelo Dr. Nikolas não é comum entre profissionais com tempo de formação semelhante. Sua capacidade de assumir responsabilidades progressivas em ambiente de alta demanda assistencial refletiu confiança institucional em seu julgamento e preparo. Considero que o Dr. Nikolas apresenta qualificação técnica e responsabilidade profissional compatíveis com as exigências da Cirurgia Vascular contemporânea, estando apto a atuar na área com segurança e consistência.

Esta recomendação é emitida de forma independente, baseada exclusivamente na minha experiência profissional direta.

Permaneço à disposição para eventuais esclarecimentos.
Atenciosamente,

Dr. Gustavo H. D. Kleinsorge
ROE Nº 25524 - CIRURGIA VASCULAR
Angiorradiologia e Cirurgia Endovascular
Cirurgia Vascular com DOPPLER
CRMMG 41188
CONTROLE 0848909

Gustavo Henrique Dumont Kleinsorge, M.D., M.Sc.
E-mail: gustavokleinsorge@yahoo.com.br
Telefone: +55 (31) 98479-3189

03/02/2026



Gustavo Henrique Dumont Kleinsorge

Scholarship Doctorate Studies holder CNPq

Address to access this CV: http://lattes.cnpq.br/2150894826334832
ID Lattes: **2150894826334832**
Last updated: 08/06/2025

He is currently a vascular surgeon at the Hospital Felício Rocho and vascular surgeon at the Hospital Foundation of the State of Minas Gerais. Coordinator of the clinic of Hospital João XXIII - FHEMIG. Has experience in the area of Medicine, with emphasis in vascular and endovascular surgery, acting mainly in the treatment of artery, venous and vascular trauma. **(Text informed by the author)**

Personal Information

Name

Gustavo Henrique Dumont Kleinsorge

Bibliographic Citation

KLEINSORGE, G. H. D.;Kleinsorge, Gustavo Henrique Dumont

Lattes iD

http://lattes.cnpq.br/2150894826334832

Orcid iD

? https://orcid.org/0000-0003-1303-1554

Nationality

Brazil

Address

Professional Address

Hospital Foundation of the State of Minas Gerais, João XXIII Emergency Hospital.
Avenida Professor Alfredo Balena, 400
Santa Efigenia
30130100 - Belo Horizonte - MG - Brazil
Telephone: (31) 32399200

Formal Education/Degree

2018 - 2020

Master's / Doctorate Program.
Federal University of São Paulo – UNIFESP, Brazil. Year of degree: 2020.
Advisor: Simone de Campos Vieira Abib.
Scholarship holder of: Coordination for the Improvement of Higher Education Personnel – CAPES, Brazil.
Keywords: trauma; femoral artery; popliteal artery; injury.
Major Area: Health Sciences
Major Area: Health Sciences / Area: Medicine / Subarea: Surgery / Specialty: Trauma Surgery.

2007 - 2009

Specialization – Medical residency.
Federal University of Minas Gerais, UFMG, Brazil. Medical residency in: Vascular Surgery
Registration number: 109039.
Scholarship holder of: Federal University of Minas Gerais, UFMG, Brazil.
Major Area: Health Sciences

2005 - 2007

Specialization – Medical residency.
Baleia Hospital, FBG, Brazil. Medical residency in: General Surgery
Registration number: 91152-1.
Scholarship holder of: Benjamin Guimarães Foundation – FBG, Brazil.

2009 - 2009

Specialization in Angioradiology and Endovascular Surgery.
AZ Sint Blasius, AZ Sint Blasius, Belgium.
Advisor: Marc Bosiers.

1999 - 2004

Graduation in Medicine.
Medical Sciences School of Minas Gerais – FCMMG, Brazil.
Advisor: ..

Complementary Education

2003 - 2003

Continuing education in the VIII Course for Monitors in Operative Technique and Experimental Surgery. (Credit hours: 70h).
Federal University of São Paulo – UNIFESP, Brazil.

2003 - 2003

Volunteer monitor of the course Foundations of Surgical Technique. Medical Sciences School of Minas Gerais , FCMMG, Brazil.

Professional Experience

Federal University of São Paulo / Paulista School of Medicine, UNIFESP/EPM, Brazil.

Contract

2024 - Present

Type of contract: , Functional Placement:

Felício Rocho Hospital, HFR, Brazil.

Contract

2010 - Present

Type of contract: Collaborator, Functional Placement: Vascular Surgeon Physician, Credit Hours: 40

Hospital Foundation of the State of Minas Gerais – FHEMIG, Brazil.

Contract

2009 - Present

Type of contract: Other, Functional Placement: Vascular Surgeon

Activities

10/2012 - Present

Manager and Administrative Positions, João XXIII Emergency Hospital.

Position or Function
Coordinator of the Vascular Surgery Clinic.

João XXIII Hospital , HJXXIII, Brazil.

Contract

2009 - Present

Type of contract: Coordinator, Functional Placement: Coordinator

Contract

2003 - 2003

Type of contract: Internship, Functional Placement: Internship

Contract

2002 - 2002

Type of contract: Internship, Functional Placement: Internship

Research projects

2024 - Current

Angioembolization in the Management of Blunt Traumatic Injuries of Solid Organs: systematic review and meta-analysis

Description: This doctoral project aims to carry out a systematic review with meta-analysis to evaluate the efficacy and safety of transcatheter angioembolization in the management of blunt traumatic injuries of solid organs (liver, spleen, and kidney), in comparison with conventional approaches, such as non-operative management alone and open surgery. Angioembolization has been consolidated as a minimally invasive and potentially organ-preserving alternative in the context of abdominal trauma, especially in hemodynamically stable patients. However, there are still uncertainties regarding its effectiveness in different clinical scenarios, which justifies a rigorous synthesis of the available evidence. The research will use methodology based on the standards of the Cochrane Collaboration, with a protocol registered in PROSPERO and evaluation of study quality using the ROBINS-I and RoB2 tools, according to the design of each included study. Primary outcomes include mortality, organ preservation, and need for hemotransfusion. As secondary outcomes, length of hospital stay, infectious complications, reinterventions, and cost (if available) will be analyzed. Subgroup and sensitivity analyses will be performed according to injury severity, affected organ, and type of technique used. The project is inserted within the axis of sustainability in healthcare, by seeking to rationalize the use of critical resources, reduce invasive interventions, and optimize clinical outcomes in emergency settings. The results may support clinical decision-making, therapeutic guidelines, and public policies aimed at the care of polytrauma patients.

Situation: In progress; Nature: Research.
Participant students: Graduation: (2) / Specialization: (0) / Academic master's degree: (0) / Professional master's degree: (0) / Doctorate: (1).

Members: Gustavo Henrique Dumont Kleinsorge – Member / Evangelista, Francesco Botelho – Coordinator / ABIB, SIMONE DE CAMPOS VIEIRA – Member.

Areas of Expertise

1.

Major Area: Health Sciences / Area: Medicine / Subarea: Surgery / Specialty: Vascular Surgery.

2.

Major Area: Health Sciences / Area: Medicine / Subarea: Endovascular Surgery.

3.

Major Area: Health Sciences / Area: Medicine / Subarea: Vascular Ultrasound with Doppler.

Languages

English

Comprehends Well, Speaks Well, Reads Well, Writes Well.

Scientific, Technological, Artistic and Cultural Production

Bibliographical Production

Citations

Web of Science

Total of articles: 5 Total of citations: 1 Date: 02/13/2019

Henrique Dumont Kleinsorge, Gustavo GHDK

Full articles published in journals

Sort by

Chronological Order

1.

GÓES JUNIOR, ADENAUER MARINHO DE OLIVEIRA; PARREIRA, JOSÉ GUSTAVO; **Kleinsorge, Gustavo Henrique Dumont**; DALIO, MARCELO BELLINI; ALVES, PEDRO HENRIQUE FERREIRA; GOMES, FRANCISCO JOÃO SAHAGOFF DE DEUS VIEIRA; ARAUJO, WALTER JUNIOR BOIM DE; JOVILIANO, EDWALDO EDNER; OLIVEIRA, JULIO CESAR PÉCLAT DE. Brazilian guidelines for diagnosis and treatment of traumatic vascular injuries. JORNAL VASCULAR BRASILEIRO (PRINT) **JCR**, v. 22, p. e20230042, 2023. **Citations**: **SCOPUS 1**

2.

Kleinsorge, Gustavo Henrique Dumont; TEIXEIRA, PEDRO GUSTAVO REZENDE; PFANNES, CLAUDIA CAROLINE BARBOSA; LAGO, RODRIGO DI VITA DO; ABIB, SIMONE DÉ CAMPOS VIEIRA. Prognostic factors in treatment of traumatic femoropopliteal arterial injuries at a Brazilian trauma center. JORNAL VASCULAR BRASILEIRO (PRINT) **JCR**, v. 21, p. e20220020, 2022. **Citations: WEB OF SCIENCE** 2 | **SCOPUS 1**

3.

felipe Nasser ; antonio Kambara ; Douglas Cavalcanti ; Carlos Abath ; Ilana BARROS ; Norma Pires ; Marco Rivera ; Adnan Neser ; Jose Ingrund ; Marcelo Burihan ; Pierre Silveira ; Gilberto Galego ; Cristiano Bortoluzzi ; Rafael Franklin ; BOSIERS, M. ; K. Deloose ; Razuk, A. ; Cafarro, R. ; KARAKHANIAN, W. K. ; **KLEINSORGE, G. H. D.** ; et.al . Safety and efficacy of the EPIC? nitinol vascular stent system for the treatment of lesions located in the superficial femoral artery: prospective and multicentric trial.. JOURNAL OF CARDIOVASCULAR SURGERY JCR, v. 58, p. 409-415, 2017. **Citações:** WEB OF SCIENCE 3 | SCOPUS 5

4.

Kleinsorge, Gustavo Henrique Dumont; SOUSA, ANDRÉ MOURÃO DE; BOTELHO, LUCAS FERREIRA; MOURÃO, MARINA BARROS; MELO, ROBERIO RODRIGO HORA; LAGO, RODRIGO DI VITA DO. Endovascular treatment of late post-tonsillectomy bleeding. Jornal Vascular Brasileiro (Print) **JCR,** v. 14, p. 356–359, 2015. **Citations: SCOPUS** 3

5.

BOSIERS, M.; **KLEINSORGE, G. H. D.**; Koen, Deloose; Navarro, Túlio Pinho. Carotid artery surgery: back to the future. Jornal Vascular Brasileiro (Print) **JCR**, v. 10, p. 44–49, 2011. **Citations: SCOPUS** 2

6.

Afonso, Cristina Toledo; Procópio, Ricardo Jayme; Navarro, Túlio Pinho; **KLEINSORGE, G. H. D.**; Rodrigues, Beatriz Deoti e Silva; Rodrigues, Marco Antônio Gonçalves. Ruptured internal iliac artery aneurysm: case report. Jornal Vascular Brasileiro (Print) **JCR**, v. 8, p. 92–96, 2009. **Citations: SCOPUS** 2

7.

Machado, Alexandre de Tarso; Procópio, Ricardo Jayme; Evangelista, Francesco Botelho; **Kleinsorge, Gustavo Henrique Dumont**; Afonso, Cristina Toledo; Navarro, Túlio Pinho. Retrograde trans-thoracic venous ballistic embolism: case report and literature review. Jornal Vascular Brasileiro (Print) **JCR**, v. 7, p. 393–396, 2008. **Citations: SCOPUS** 4

Presentations of Work

1.

Kleinsorge, Gustavo Henrique Dumont. Lecture: Damage control surgery: an essential concept. 2016. (Presentation/Conference or Colloquium).

2.

Kleinsorge, Gustavo Henrique Dumont. Iliac vein stenosis – endovascular management. 2013. (Presentation/Symposium).

3.

Kleinsorge, Gustavo Henrique Dumont. Lecture: Uterine artery embolization: indications and limitations? 2011. (Presentation/Conference or Colloquium).

4.

Kleinsorge, Gustavo Henrique Dumont. Lecture: The role of embolizations in vascular trauma: current scenario. 2010. (Presentation/Conference or Colloquium).

5.

Procópio, Ricardo Jayme; Machado, Alexandre de Tarso; SOUSA, ANDRÉ MOURÃO DE; Ribeiro, Aluizio; Navarro, Túlio Pinho; **Kleinsorge, Gustavo Henrique Dumont**. Presentation of a paper: Arterial stenosis in transplanted kidney: endovascular treatment in a case series. 2008. (Presentation/Other).

6.

Procópio, Ricardo Jayme; Machado, Alexandre de Tarso; **Kleinsorge, Gustavo Henrique Dumont**; Navarro, Túlio Pinho. Presentation of a paper: Endovascular treatment in trauma: initial experience. 2008. (Presentation/Other).

7.

Procópio, Ricardo Jayme; **Kleinsorge, Gustavo Henrique Dumont**; Navarro, Túlio Pinho. Presentation of a paper: Treatment of infected diabetic foot at Hospital Universitário Risoleta Tolentino Neves (Risoleta Tolentino Neves University Hospital). 2008. (Presentation/Other).

8.

Evangelista, Francesco Botelho; **KLEINSORGE, G. H. D.**; Procópio, Ricardo Jayme; BL, C.; TP, N.. Presentation of a paper: Removal of infected prosthesis in aortic position with reconstruction of the aorto-iliac axis using the superficial femoral vein. 2008. (Presentation/Congress).

9.

Kleinsorge, Gustavo Henrique Dumont. Presenter of free topic: Surgical treatment with femoral vein of infected prosthesis in the aortic position. 2007. (Presentation/Conference or Colloquium).

10.

MCW, R.; DP, S.; **Kleinsorge, Gustavo Henrique Dumont**. Presentation of a paper: Metachronous adrenal cortex carcinoma – case report and literature review. 2006. (Presentation/Congress).

11.

PRF, H.; ML, C.; EVM, E.; **Kleinsorge, Gustavo Henrique Dumont**; DP, S.; MF, R.. Presentation of a paper: Incisional hernia at lumbar port for video-assisted access to renal cyst – Case report and literature review. 2006. (Presentation/Congress).

12.

MCW, R.; FS, C.; MGS, M.; EVM, E.; **Kleinsorge, Gustavo Henrique Dumont.** Presentation of a paper: Pharyngocoloplasty with microvascular anastomosis in the treatment of caustic esophageal stenosis – case report and literature review. 2006. (Presentation/Congress).

13.

MCW, R.; DP, S.; **KLEINSORGE, G. H. D.**; EVM, E.; Rodrigues, Beatriz Deoti e Silva. Presentation of a paper: Transoral pharyngogastric anastomosis using circular stapler. Case report and literature review. 2006. (Presentation/Congress).

14.

MCW, R.; MELO, ROBERIO RODRIGO HORA; DP, S.; **KLEINSORGE, G. H. D.**; EVM, E.. Presentation of a paper: Late tension-free abdominal reconstruction after laparostomy – a new technique. 2006. (Presentation/Congress).

15.

KLEINSORGE, G. H. D.. Presentation of a paper: Desmoid tumor of the rectus abdominis associated with Gardner syndrome – Case report and literature review. 2006. (Presentation/Congress).

16.

KLEINSORGE, G. H. D.. Presentation of a paper: Retroperitoneal schwannoma in patients without Von Recklinghausen disease – Report of five cases. 2006. (Presentation/Congress).

Technical Production

Other Kinds of Technical Production

1.

KLEINSORGE, G. H. D...2014. (Debater).

2.

KLEINSORGE, G. H. D.. 2013. (Rapporteur).

3.

Kleinsorge, Gustavo Henrique Dumont.. 2006. (Presenter).

Events

Participation in events, congresses, exhibitions and fairs

1.

Embolution. 2010. (Symposium).

2. **KLEINSORGE, G. H. D.**. Presentation of a paper: Retroperitoneal schwannoma in patients without Von Recklinghausen disease – Report of five cases. 2006. (Presentation/Congress).

. 2008. (Congresses).

3.

. 2003. (Congresses).

Organization of events

1.

Kleinsorge, Gustavo Henrique Dumont. Member of the Organizing Committee. 2003. (Event Production/Other).

Other Relevant Information

***Participated in a competitive examination for a teaching assistant position in 2004, for the course of Fundamentals of Surgical Technique, in the Medicine Program, and was ranked 1st as a scholarship teaching assistant.

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I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English, as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.

Marina Viana

Date: April, 17 2026



Gustavo Henrique Dumont Kleinsorge

Scholarship Doctorate Studies holder CNPq

Address to access this CV: http://lattes.cnpq.br/2150894826334832
ID Lattes: **2150894826334832**
Last updated: 08/06/2025

He is currently a vascular surgeon at the Hospital Felício Rocho and vascular surgeon at the Hospital Foundation of the State of Minas Gerais. Coordinator of the clinic of Hospital João XXIII - FHEMIG. Has experience in the area of Medicine, with emphasis in vascular and endovascular surgery, acting mainly in the treatment of artery, venous and vascular trauma. **(Text informed by the author)**

Personal Information

Name

Gustavo Henrique Dumont Kleinsorge

Bibliographic Citation

KLEINSORGE, G. H. D.;Kleinsorge, Gustavo Henrique Dumont

Lattes iD

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Orcid iD

? https://orcid.org/0000-0003-1303-1554

Nationality

Brasil

Address

Professional Address

Fundação Hospitalar do Estado de Minas Gerais, Hospital de Pronto Socorro João XXIII.
Avenida Professor Alfredo Balena, 400
Santa Efigenia
30130100 - Belo Horizonte, MG - Brasil
Telephone: (31) 32399200

Formal Education/Degree

2018 - 2020

Master in Mestrado / Doutorado.
Universidade Federal de São Paulo, UNIFESP, Brasil. Year of degree: 2020.
Advisor: Simone de Campos Vieira Abib.
Scholarship holder of: Coordenação de Aperfeiçoamento de Pessoal de Nível Superior, CAPES, Brasil.
Keywords: trauma; femoral artery; popliteal artery; injury.
Major Area: Health Sciences
Major Area: Health Sciences / Area: Medicina / Subarea: Cirurgia / Specialty: Cirurgia Traumatológica.

2007 - 2009

Specialization - Medical residency.
Universidade Federal de Minas Gerais, UFMG, Brasil. Medical residency in: Cirurgia vascular
Registration number: 109039.
Scholarship holder of: Universidade Federal de Minas Gerais, UFMG, Brasil.
Major Area: Health Sciences

2005 - 2007

Specialization - Medical residency.
Hospital da Baleia, FBG, Brasil. Medical residency in: Cirurgia Geral
Registration number: 91152-1.
Scholarship holder of: Fundação Benjamim Guimarães, FBG, Brasil.

2009 - 2009

Specialization in Angiorradiologia e cirurgia endovascular.
AZ Sint Blasius, AZ SINT BLASIUS, Bélgica.
Advisor: Marc Bosiers.

1999 - 2004

Graduation in Medicina.
Faculdade de Ciências Médicas de Minas Gerais, FCMMG, Brasil.
Advisor: ..

Complementary Education

2003 - 2003

Continuing education in VIII Curso para Monitores em Técnica Operatória e Cirurgia Experimental. (Credit hours: 70h).
Universidade Federal de São Paulo, UNIFESP, Brasil.

2003 - 2003

Monitor voluntário da disciplina de Bases da Técnica Cirúrgica.
Faculdade de Ciências Médicas de Minas Gerais, FCMMG, Brasil.

Professional Experience

Universidade Federal de São Paulo/Escola Paulista de Medicina, UNIFESP/EPM, Brasil.

Contract

2024 - Present

Type of contract: , Functional Placement:

Hospital Felício Rocho, HFR, Brasil.

Contract

2010 - Present

Type of contract: Colaborator, Functional Placement: Médico cirurgião vascular, Credit Hours: 40

Fundação Hospitalar do Estado de Minas Gerais, FHEMIG, Brasil.

Contract

2009 - Present

Type of contract: Other, Functional Placement: cirurgião vascular

Activities

10/2012 - Atual

Manager and Administrative Positions, Hospital de Pronto Socorro João XXIII.

Position or Function
Coordenador da clínica de cirurgia vascular.

Hospital João XXIII, HJXXIII, Brasil.

Contract

2009 - Present

Type of contract: Coordenador, Functional Placement: Coordenador

Contract

2003 - 2003

Type of contract: Estágio, Functional Placement: Estágio

Contract

2002 - 2002

Type of contract: Estágio, Functional Placement: Estágio

Research projects

2024 - Current

Angioembolização na abordagem das lesões Traumáticas Contusas de Vísceras Maciças: revisão sistemáica e metanálise

Description: Este projeto de doutorado tem como objetivo realizar uma revisão sistemática com metanálise para avaliar a eficácia e segurança da angioembolização transcateter no manejo de lesões traumáticas contusas de vísceras maciças (fígado, baço e rim), em comparação às abordagens convencionais, como o tratamento não operatório isolado e a cirurgia aberta. A angioembolização tem se consolidado como uma alternativa minimamente invasiva e potencialmente organoprotetora no contexto do trauma abdominal, especialmente em pacientes hemodinamicamente estáveis. No entanto, ainda existem incertezas sobre sua efetividade em diferentes cenários clínicos, o que justifica uma síntese rigorosa das evidências disponíveis.A pesquisa utilizará metodologia baseada nos padrões da Cochrane Collaboration, com protocolo registrado no PROSPERO e avaliação da qualidade dos estudos pelas ferramentas ROBINS-I e RoB2, conforme o desenho de cada estudo incluído. Os desfechos primários incluem mortalidade, preservação do órgão e necessidade de hemotransfusão. Como desfechos secundários, serão analisados tempo de internação, complicações infecciosas, reintervenções e custo (se disponível). Análises de subgrupo e sensibilidade serão realizadas conforme grau da lesão, víscera acometida e tipo de técnica utilizada.O projeto está inserido no eixo da sustentabilidade em saúde, ao buscar racionalizar o uso de recursos críticos, reduzir intervenções invasivas e otimizar os desfechos clínicos em contextos de urgência. Os resultados poderão fundamentar decisões clínicas, diretrizes terapêuticas e políticas públicas voltadas ao cuidado do paciente politraumatizado..
Situation: In progress; Nature: Research.
Participant students: Graduation: (2) / Specialization: (0) / Academic master's degree: (0) / Professional master's degree: (0) / Doctorate: (1) .

Members: Gustavo Henrique Dumont Kleinsorge - Member / Evangelista, Francesco Botelho - Coordinator / ABIB, SIMONE DE CAMPOS VIEIRA - Member.

Areas of Expertise

1.

Major Area: Health Sciences / Área: Medicina / Subarea: Cirurgia/Specialty: cirurgia vascular.

2.

Major Area: Health Sciences / Área: Medicina / Subarea: cirurgia endovascular.

3.

Major Area: Health Sciences / Área: Medicina / Subarea: ultrassom vascular com Doppler.

Languages

Inglês

Comprehends Well, Speaks Well, Reads Well, Writes Well.

Scientific, Technological, Artistic and Cultural Production

Bibliographical Production

Citations

Web of Science

Total of articles: 5 Total of citations: 1 Date: 13/02/2019

Henrique Dumont Kleinsorge, Gustavo GHDK

Full articles published in journals

Sort by

Chronological Order

1.

GÓES JUNIOR, ADENAUER MARINHO DE OLIVEIRA ; PARREIRA, JOSÉ GUSTAVO ; **Kleinsorge, Gustavo Henrique Dumont** ; DALIO, MARCELO BELLINI ; ALVES, PEDRO HENRIQUE FERREIRA ; GOMES, FRANCISCO JOÃO SAHAGOFF DE DEUS VIEIRA ; ARAUJO, WALTER JUNIOR BOIM DE ; JOVILIANO, EDWALDO EDNER ; OLIVEIRA, JULIO CESAR PECLAT DE . Diretrizes brasileiras de diagnóstico e tratamento de lesões vasculares traumáticas. JORNAL VASCULAR BRASILEIRO (IMPRESSO)JCR, v. 22, p. e20230042, 2023. **Citações:** SCOPUS 1

2.

Kleinsorge, Gustavo Henrique Dumont; TEIXEIRA, PEDRO GUSTAVO REZENDE ; PFANNES, CLAUDIA CAROLINE BARBOSA ; LAGO, RODRIGO DI VITA DO ; ABIB, SIMONE DE CAMPOS VIEIRA . Prognostic factors in treatment of traumatic femoropopliteal arterial injuries at a Brazilian trauma center. JORNAL VASCULAR BRASILEIRO (IMPRESSO)JCR, v. 21, p. e20220020, 2022. **Citações:** WEB OF SCIENCE 2 | SCOPUS 1

3.

felipe Nasser ; antonio Kambara ; Douglas Cavalcanti ; Carlos Abath ; Ilana BARROS ; Norma Pires ; Marco Rivera ; Adnan Neser ; Jose Ingrund ; Marcelo Burihan ; Pierre Silveira ; Gilberto Galego ; Cristiano Bortoluzzi ; Rafael Franklin ; BOSIERS, M. ; K. Deloose ; Razuk, A. ; Cafarro, R. ; KARAKHANIAN, W. K. ; **KLEINSORGE, G. H. D.** ; et.al . Safety and efficacy of the EPIC? nitinol vascular stent system for the treatment of lesions located in the superficial femoral artery: prospective and multicentric trial.. JOURNAL OF CARDIOVASCULAR SURGERYJCR, v. 58, p. 409-415, 2017. **Citações:** WEB OF SCIENCE 3 | SCOPUS 5

4.

Kleinsorge, Gustavo Henrique Dumont; SOUSA, ANDRÉ MOURÃO DE ; BOTELHO, LUCAS FERREIRA ; MOURÃO, MARINA BARROS ; MELO, ROBERIO RODRIGO HORA ; LAGO, RODRIGO DI VITA DO . Tratamento endovascular de sangramento tardio pós tonsilectomia. Jornal Vascular Brasileiro (Impresso)JCR, v. 14, p. 356-359, 2015. **Citações:** SCOPUS 3

5.

BOSIERS, M. ; **KLEINSORGE, G. H. D.** ; Koen, Deloose ; Navarro, Túlio Pinho . Carotid artery surgery: back to the future. Jornal Vascular Brasileiro (Impresso) JCR, v. 10, p. 44-49, 2011. **Citações:** SCOPUS 2

6.

Afonso, Cristina Toledo ; Procópio, Ricardo Jayme ; Navarro, Túlio Pinho ; **KLEINSORGE, G. H. D.** ; Rodrigues, Beatriz Deoti e Silva ; Rodrigues, Marco Antônio Gonçalves . Aneurisma de artéria ilíaca interna roto: relato de caso. Jornal Vascular Brasileiro (Impresso) JCR, v. 8, p. 92-96, 2009. **Citações:** SCOPUS 2

7.

Machado, Alexandre de Tarso ; Procópio, Ricardo Jayme ; Evangelista, Francesco Botelho ; **Kleinsorge, Gustavo Henrique Dumont** ; Afonso, Cristina Toledo ; Navarro, Túlio Pinho . Embolia balística venosa retrógrada transtorácica: relato de caso e revisão da literatura. Jornal Vascular Brasileiro (Impresso) JCR, v. 7, p. 393-396, 2008. **Citações:** SCOPUS 4

Presentations of Work

1.

Kleinsorge, Gustavo Henrique Dumont. Palestra: Cirurgia de controle de danos: um conceito essencial. 2016. (Presentation/Conference or Colloquium).

2.

Kleinsorge, Gustavo Henrique Dumont. Estenose de veia ilíaca- manejo endovascular. 2013. (Presentation/Symposium).

3.

Kleinsorge, Gustavo Henrique Dumont. Palestra: Embolização de artérias uterinas: Indicações e limitações?. 2011. (Presentation/Conference or Colloquium).

4.

Kleinsorge, Gustavo Henrique Dumont. Palestra: O papel das embolizações no trauma vascular: cenário atual. 2010. (Presentation/Conference or Colloquium).

5.

Procópio, Ricardo Jayme ; Machado, Alexandre de Tarso ; SOUSA, ANDRÉ MOURÃO DE ; Ribeiro, Aluizio ; Navarro, Túlio Pinho ; **Kleinsorge, Gustavo Henrique Dumont** . Apresentação de trabalho: Estenose arterial em rim transplantado: tratamento endovascular em série de casos. 2008. (Presentation/Other).

6.

Procópio, Ricardo Jayme ; Machado, Alexandre de Tarso ; **Kleinsorge, Gustavo Henrique Dumont** ; Navarro, Túlio Pinho . Apresentação de trabalho: Tratamento endovascular no trauma: Experiência inicial. 2008. (Presentation/Other).

7.

Procópio, Ricardo Jayme ; **Kleinsorge, Gustavo Henrique Dumont** ; Navarro, Túlio Pinho . Apresentação de trabalho: Tratamento do pé diabético infectado no Hospital Universitário Risoleta Tolentino Neves. 2008. (Presentation/Other).

8.

Evangelista, Francesco Botelho ; **KLEINSORGE, G. H. D.** ; Procópio, Ricardo Jayme ; BL, C. ; TP, N. . Apresentação de trabalho: Retirada de prótese infectada em posição aórtica com reconstrução do eixo aorto-ilíaco com veia femoral superficial. 2008. (Presentation/Congress).

9.

Kleinsorge, Gustavo Henrique Dumont. Apresentador do Tema livre: Tratamento cirúrgico com veia femoral de prótese infectada em posição aórtico. 2007. (Presentation/Conference or Colloquium).

10.

MCW, R. ; DP, S. ; **Kleinsorge, Gustavo Henrique Dumont** . Apresentação de trabalho: Carcinoma de córtex de supra - renal metacrônico - Relato de caso e Revisão de literatura. 2006. (Presentation/Congress).

11.

PRF, H. ; ML, C. ; EVM, E. ; **Kleinsorge, Gustavo Henrique Dumont** ; DP, S. ; MF, R. . Apresentação de trabalho: Hérnia incisional em portal lombar para acesso vídeo-assistido a cisto renal - Relato de caso e revisão da literatura. 2006. (Presentation/Congress).

12.

MCW, R. ; FS, C. ; MGS, M. ; EVM, E. ; **Kleinsorge, Gustavo Henrique Dumont** . Apresentação de trabalho: Faringocoloplastia com anastomose microvascular no tratamento da estenose cáustica do esôfago - Relato de caso e revisão da literatura. 2006. (Presentation/Congress).

13.

MCW, R. ; DP, S. ; **KLEINSORGE, G. H. D.** ; EVM, E. ; Rodrigues, Beatriz Deoti e Silva . Apresentação de trabalho: Anastomose faringogástrica transoral utilizando grampeador circular - Relato de caso e revisão de literatura. 2006. (Presentation/Congress).

14.

MCW, R. ; MELO, ROBERIO RODRIGO HORA ; DP, S. ; **KLEINSORGE, G. H. D.** ; EVM, E. . Apresentação de trabalho: Reconstrução abdominal tardia sem tensão após laparostomia - Uma nova técnica. 2006. (Presentation/Congress).

15.

KLEINSORGE, G. H. D.. Apresentação de trabalho: Tumor desmóide do reto abdominal associado à síndrome de Gadner - Relato de caso e revisão de literatura. 2006. (Presentation/Congress).

16.

KLEINSORGE, G. H. D.. Apresentação de trabalho: Scawanoma retroperitoneal em pacientes não portadoras da doença de Von Recklinghausen - Relato de cinco casos. 2006. (Presentation/Congress).

Technical Production

Other Kinds of Technical Production

1.

KLEINSORGE, G. H. D.. . 2014. (Debatedor).

2.

KLEINSORGE, G. H. D.. . 2013. (Relator).

3.

Kleinsorge, Gustavo Henrique Dumont. . 2006. (Apresentador).

Events

Participation in events, congresses, exhibitions and fairs

1.

Embolution. 2010. (Symposium).

2.

. 2008. (Congresses).

3.

. 2003. (Congresses).

Organization of events

1.

Kleinsorge, Gustavo Henrique Dumont. Membro da Comissão Organizadora. 2003. (Event Production/ Other).

Other Relevant Information

***Prestou concurso para monitoria para o ano de 2004, para a disciplina de Bases da Técnica Cirúrgica, do curso de Medicina, tendo sido classificado em 1º lugar, como monitor bolsista.

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Quíron
Clínica Cirúrgica Avançada

drmarcosreis@gmail.com
+55 31 99977 3924

To whom it may concern,

My name is Marcos Campos Wanderley Reis, a surgeon currently serving as Partner, Medical Director, and Coordinator of the Surgical Team at Quíron Clínica Cirúrgica Avançada, in Belo Horizonte, Brazil. I also serve as a Professor in the Department of Surgery at Feluma. My professional training includes a degree in Medicine, residency in General Surgery and Trauma Surgery, specializations in laparoscopic and bariatric surgery, as well as a graduate studies degree in robotic surgery. Throughout my career, I have maintained continuous involvement in hospital practice, academic teaching, and the leadership of surgical teams, directly supervising the training and development of numerous medical residents.

I met Dr. Nikolas Duarte Caldeira Brant in March 2013, at the Hospital da Baleia, in Belo Horizonte. At the time, I was the Head of the General Surgery Department, while Dr. Brant joined as a resident doctor of the specialty. My responsibilities included overseeing residents' clinical and surgical activities, coordinating the operational flow of the department, and directly supervising the team's performance. This role allowed me to observe his professional evolution in a direct, continuous and judicious manner.

During his residency, I closely followed his performance across multiple settings essential to surgical training, including operative procedures, ward rounds, outpatient care, and academic meetings. Dr. Brant actively participated in a high volume of surgical procedures, including cases of moderate and high complexity, and was involved in the care of hundreds of patients, including numerous oncological cases requiring follow-up from initial evaluation through postoperative care.

Among the many residents I have supervised throughout my professional career, Dr. Brant stood out for his early technical maturity, confidence in performing procedures, and consistency in clinical reasoning. He demonstrated a solid theoretical foundation and the ability to apply his knowledge with responsibility and sound judgment, even in situations of greater technical demand.

A particularly illustrative episode of his competence occurred during a laparoscopic surgery in a young patient. The gynecology team initially performed a pelvic procedure using a single-port access. Subsequently, our team was to perform a cholecystectomy. This approach does not correspond to the conventional access for such a procedure, as it requires less suitable instruments and simultaneous control of instruments within an extremely restricted surgical field. Given the technical complexity, I considered the need to perform additional incisions to ensure better access and operative safety. Dr. Brant, however, carefully assessed the intraoperative scenario and confidently supported the feasibility of completing the procedure through the single port. His decision was not imprudent, but rather based on solid technical mastery and appropriate clinical judgment. Thanks to his manual skill, coordination, and focus on achieving the best aesthetic and clinical outcome for the patient, the surgery was successfully completed without the need for additional incisions, achieving an excellent outcome.

During his period at Hospital da Baleia, Dr. Brant demonstrated a consistently professional attitude, balance, ethical commitment, respect for the multidisciplinary team, and a permanent willingness to collaborate in all clinical routines. His performance contributed to maintaining the technical standards that consolidate Hospital da Baleia as a regional reference center in General Surgery and in the treatment of complex conditions, including oncological cases.

Based on direct supervision of his work, I can state that Dr. Brant demonstrated technical competence, professional maturity, and the ability to perform safely in highly demanding surgical environments. Professionals with this profile have a concrete potential to contribute significantly to medical centers that require technical excellence, clinical responsibility, and commitment to high standards of care.

I would have full confidence in working with Dr. Brant again, and I would recommend him to institutions seeking a surgically skilled professional, ethically committed, and fully prepared to face higher-complexity challenges.

Sincerely,



Marcos Campos Wanderley Reis
Partner, Medical Director, and Coordinator of the Surgical Team
Quíron Clínica Cirúrgica Avançada
Professor of the Department of Surgery

February 02, 2026

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.


_____ Date: April 20, 2026.

drmarcosreis@gmail.com
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A quem possa interessar,

Meu nome é Marcos Campos Wanderley Reis, médico cirurgião, atuando como Sócio, Diretor Médico e Coordenador da Equipe Cirúrgica da Quíron Clínica Cirúrgica Avançada, em Belo Horizonte, Brasil. Também exerço a função de Professor no Departamento de Cirurgia da Feluma. Minha formação profissional inclui graduação em Medicina, residência em Cirurgia Geral e Cirurgia do Trauma, especializações em cirurgia laparoscópica e bariátrica, além de pós-graduação em cirurgia robótica. Ao longo da minha carreira, mantive atuação contínua na prática hospitalar, no ensino acadêmico e na liderança de equipes cirúrgicas, supervisionando diretamente a formação e o desenvolvimento de numerosos médicos residentes.

Conheci o Dr. Nikolas Duarte Caldeira Brant em março de 2013, no Hospital da Baleia, em Belo Horizonte. Na ocasião, eu exercia a função de Chefe do Serviço de Cirurgia Geral, enquanto o Dr. Brant ingressava como médico residente da especialidade. Minhas atribuições incluíam supervisionar as atividades clínicas e cirúrgicas dos residentes, coordenar o fluxo operacional do serviço e acompanhar diretamente o desempenho da equipe. Essa posição permitiu-me observar sua evolução profissional de maneira direta, contínua e criteriosa.

Durante o período de residência, acompanhei de perto sua atuação em múltiplos cenários essenciais à formação cirúrgica, incluindo procedimentos operatórios, visitas aos leitos, atendimentos ambulatoriais e reuniões acadêmicas. O Dr. Brant participou ativamente de elevado volume de procedimentos cirúrgicos, incluindo casos de média e alta complexidade, além de integrar o cuidado de centenas de pacientes, entre eles numerosos casos oncológicos que exigiam acompanhamento desde a avaliação inicial até o seguimento pós-operatório.

Entre os diversos residentes que supervisionei ao longo de minha trajetória profissional, o Dr. Brant destacou-se pela maturidade técnica precoce, segurança na execução de procedimentos e consistência no raciocínio clínico. Demonstrava sólida fundamentação teórica e capacidade de aplicar seus conhecimentos com responsabilidade e discernimento, mesmo em situações de maior exigência técnica.

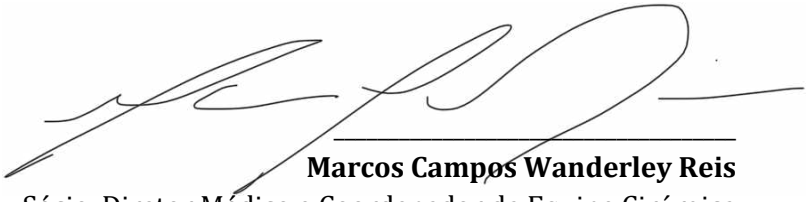
Um episódio particularmente ilustrativo de sua competência ocorreu durante uma cirurgia videolaparoscópica em paciente jovem. A equipe de ginecologia realizou inicialmente um procedimento pélvico por meio de acesso por portal único. Em seguida, nossa equipe deveria realizar uma colecistectomia. Essa via não corresponde ao acesso convencional para tal procedimento, pois exige instrumentais menos adequados e controle simultâneo das pinças em campo operatório extremamente restrito. Diante da complexidade técnica, considerei a necessidade de realizar incisões adicionais para garantir melhor acesso e segurança operatória. O Dr. Brant, contudo, avaliou cuidadosamente o cenário intraoperatório e sustentou com confiança a viabilidade de concluir o procedimento pelo portal único. Sua decisão não foi imprudente, mas fundamentada em domínio técnico seguro e julgamento clínico adequado. Graças à sua habilidade manual, coordenação e foco em proporcionar o melhor resultado estético e clínico à paciente, a cirurgia foi concluída com sucesso, sem necessidade de incisões adicionais, alcançando excelente desfecho.

Durante seu período no Hospital da Baleia, o Dr. Brant demonstrou postura profissional consistente, equilíbrio, compromisso ético, respeito à equipe multidisciplinar e disposição permanente para colaborar em todas as rotinas assistenciais. Sua atuação contribuiu para a manutenção dos padrões técnicos que consolidam o Hospital da Baleia como centro de referência regional em Cirurgia Geral e no tratamento de condições complexas, incluindo casos oncológicos.

Com base na supervisão direta de seu trabalho, afirmo que o Dr. Brant demonstrou preparo técnico, maturidade profissional e capacidade de atuação segura em ambientes cirúrgicos de alta exigência. Profissionais com esse perfil possuem potencial concreto para contribuir de forma significativa em centros médicos que demandem excelência técnica, responsabilidade clínica e compromisso com elevados padrões assistenciais.

Eu teria plena confiança em trabalhar novamente com o Dr. Brant e o recomendaria a instituições que busquem um cirurgião tecnicamente habilidoso, eticamente comprometido e plenamente preparado para enfrentar desafios de maior complexidade.

Atenciosamente,



Marcos Campos Wanderley Reis
Sócio, Diretor Médico e Coordenador da Equipe Cirúrgica
Quíron Clínica Cirúrgica Avançada
Professor do Departamento de Cirurgia

02 de fevereiro de 2026



Marcos Campos Wanderley Reis

Address to access this CV: http://lattes.cnpq.br/0586363871083011
ID Lattes: **0586363871083011**
Curriculum last updated on 05/16/2024

Holds a medical degree from Federal University of Minas Gerais - UFMG (1993) and a residency in General/Trauma Surgery at Minas Gerais State Hospital Foundation - FHEMIG (1994/1996). Currently serves as the Coordinating Surgeon of the Quiron Surgical Department. He is a full member of the Brazilian College of Surgeons (TCBC), the Brazilian Society of Bariatric and Metabolic Surgery, the Brazilian Society of Videosurgery, and the Brazilian Society of Integrated Trauma Care. He works in the following areas: General Surgery, Bariatric Surgery, Robotic Surgery, Trauma Surgery, Videolaparoscopic Surgery, and Oncologic Surgery. He practices as a surgeon at MaterDei Health Network, São Lucas Hospital (Santa Casa Group), and Orizonti Institute. He has been a professor at the School of Medical Sciences - FELUMA since 2024. He served as coordinator of the general surgery team at Baleia Hospital from 2011 to 2021. **(Text informed by the author)**

Identification

Name

Marcos Campos Wanderley Reis

Name in bibliographic citations

REIS;M. C. W.;REIS, MARCOS CAMPOS WANDERLEY

Lattes iD

http://lattes.cnpq.br/0586363871083011

Nationality

Brazil

Address

Professional Address

Clinic.
Rua Santa Rita Durão 20/708
Funcionários
Belo Horizonte, Minas Gerais - Brazil
Phone: (31) 25524823

Academic background/degrees

1996 - 1996

Specialization - Medical Residency.
João XXIII Hospital, FHEMIG, Brazil. Medical residency in: General Surgery - Practice in Trauma Surgery
Registration number: .

1994 - 1995

Specialization - Medical Residency.
Alberto Cavalcanti Hospital, FHEMIG, Brazil. Medical residency in: General Surgery
Registration number: .

1988 - 1993

Medical Degree.
Federal University of Minas Gerais, UFMG, Brazil.

1985 - 1987

High School.
Santo Antônio School, CSA, Brazil.

1974 - 1980

Elementary School
Lambert Institute, IL, Brazil.

Complementary Education

2021-2022

Certification in Robotic Surgery (Workload: 90 hours).
Lucas Machado Educational Foundation, FELUMA, Brazil.

2018 - 2018

Clinical Immersion in Bariatric and Metabolic Surgery.
Cleveland Clinic Florida, CLEVELAND, United States.

2016 - 2016

Online Course in Basic Life Support (Workload: 30 hours).
Mater Dei Hospital, HMD, Brazil.

2008 - 2008

Training in Bariatric Surgery, (Workload: 20 hours).
Garrido Institute, IG, Brazil.

2003 - 2003

Intragastric Balloon/Morbid Obesity Surgery,
(Workload 20 hours).
Sallet Clinic, CS, Brazil.

1998 - 1998

Course: Update for ATLS Instructors.
American College of Surgeons, ACS, Brazil.

1998 - 1998

Advanced Cardiovascular Life Support.
American Heart Association, AHA, Brazil.

1997 - 1997

Advanced Trauma Life Support.
School of Medicine of the University of São Paulo,
FAMUSP, Brazil.

1997 - 1997

Course: Prehospital Trauma Life Support.
School of Medicine of the University of São Paulo
FAMUSP, Brazil.

1996 - 1996

Course in Prehospital Emergency Care.
(Workload: 40h).
Municipal Health Department of Fortaleza, SMS, Brazil.

1992 - 1992

Course: Gastroenterology Emergencies.
Mater Dei Hospital, HMD, Brazil.

1991 - 1991

Course in Basic Electrocardiography.
São Francisco de Assis Hospital, HSFA, Brazil.

1991 - 1991

Course in Toxicology.
Federal University of Minas Gerais, UFMG, Brazil.

1990 - 1990

Course in Propedeutic Anatomy of the Heart.
São Francisco de Assis Hospital, HSFA, Brazil.

1990 - 1990

Basic Embryology of the Heart and Great Vessels.
São Francisco de Assis Hospital, HSFA, Brazil.

1990 - 1990

Course in Medical Emergencies.
Medical Association of Minas Gerais, AMMG, Brazil.

1987 - 1987

English Language (Advanced).
Language Study Program, NEW WAY, Brazil.

1985 - 1986

English Language (Intermediate).
Language Study Program, NEW WAY, Brazil.

1984 - 1984

English Language (Basic).
Language Study Program, NEW WAY, Brazil.

1983 - 1984

English Language.
National School of Languages, ENI, Brazil.

Professional Experience

MaterDei Hospital, HMD, Brazil.

Institutional Affiliation

2014 - Present

Employment Type: Physician, Job Title: General Surgeon

Orizonti Institute, IO, Brazil.

Institutional Affiliation

2020 - Present

Employment Type: Collaborator, Job Title: General Surgeon

São Lucas Hospital, HSL, Brazil.

Institutional Affiliation

2020 - Present

Employment Type: Collaborator, Job Title: General Surgeon

Lucas Machado Educational Foundation, FELUMA, Brazil.

Institutional Affiliation

2024 - Present

Employment Type: Employee, Job Title: Professor, Workload: 16 hours

Other Information

-

Benjamin Guimarães Foundation, FBG, Brazil.

Institutional Affiliation

2000 - 2021

Employment Type: Contractor, Job Title: General Surgeon

Other Information

Coordinator of the General Surgery Department

Activities

08/2008 - Present

Management and administration, Baleia Hospital.

Position or role
Coordinator of the General Surgery Department.

04/2000 - 08/2008

Management and administration, Baleia Hospital, General Surgery Department.

Position or function
Coordinator of the Medical Residency Program.

01/2000 - 08/2008

Research and development, Baleia Hospital.

Lines of research
Coordinator of the Medical Residency Commission (COREME).

Lifecenter Hospital, HLC, Brazil.

Institutional Affiliation

2006 - Present

Employment Type: Collaborator, Job Title: General Surgeon

College of Health and Human Ecology, FASEH, Brazil.

Internship completed
Assistance and follow-up of patients.

10/1991 - 12/1991

Internships, Hospital ward.

Internship completed
Medical Internship.

Research lines

1.

Coordinator of the Medical Residency Commission (COREME).

Areas of Expertise

1.

Major Field: Health Sciences / Area: Medicine / Subarea: Surgery/Specialty: General Surgery.

2.

Major Field: Health Sciences / Area: Medicine / Subarea: Bariatric Surgery.

3.

Major Field: Health Sciences / Area: Medicine / Subarea: Video-laparoscopic Surgery.

4.

Major Field: Health Sciences / Area: Medicine / Subarea: Surgery/Specialty: Trauma Surgery.

5.

Major Field: Health Sciences / Area: Medicine / Subarea: Oncologic Surgery.

Language skills

English

Comprehends Well, Speaks Well, Reads Well, Writes Well.

Spanish

Comprehends Well, Speaks Little, Reads Reasonably, Writes Little.

Awards and Recognition

2017

Center of Excellence in Metabolic and Bariatric Surgery, Surgical Review Corporation.

2006

Full Member of the Brazilian Society of Bariatric and Metabolic Surgery, Brazilian Society of Bariatric and Metabolic Surgery.

2003

Full Member of the Brazilian College of Surgeons, Brazilian College of Surgeons.

2002

Certification in Oncologic Surgery, Brazilian College of Surgeons.

2002

Certification in Trauma Surgery, Brazilian College of Surgeons.

2000

Full Member of the Brazilian Society for Integrated Trauma Care, SBAIT.

1996

Full Member of the Brazilian Society of Videoendoscopic Surgery, SONCIVE.

Language skills

Bibliographical Production

Full articles published in journals

10.

CURY, G. C.; SALLES, P. G. O.; **REIS**; RÊGO, V. M.; ARNDT, A. W.; SOUZA FILHO, C. B. A.; MOREIRA, H. B.; ABREU, M. S.; LEITE, P. M. G. Prevalence of Schistosoma mansoni and Intestinal Parasites in Schoolchildren from the Rural Area of the Municipality of Jaboticatubas, Minas Gerais, 1992–1993. Journal of the Brazilian Society of Tropical Medicine, JCR, v. 27, p. 217-220, 1994. **Citations:** SCOPUS 9

11.

SALLES, P. G. O.; **REIS**; RÊGO, V. M.; CURY, G. C. Assessment of the Prevalence of Intestinal Parasites in the School Population of the Rural Area of Jaboticatubas, Minas Gerais, in 1992/1993. Journal of the Brazilian Society of Tropical Medicine, JCR, v. 27, p. 217-220, 1994. **Citations:** SCOPUS 9

12.

COSTA & SILVA, N.; **REIS**; LAHMANN, W. M.; PIRES, B. R. Complications of Inguinal Hernias. Journal of Minas Gerais Medicine, v. 3, Supplement 2, 1993.

13.

RODRIGUES, B. L.; **REIS**; RÊGO, V. M.; CURY, G. C. Assessment of the Prevalence of Intestinal Parasites in the School Population of the Rural Area of Jaboticatubas, Minas Gerais, in 1992/1993. Journal of Minas Gerais Medicine, v. 3, Supplement 2, 1993.

Books published/organized or editions

1.

SANTANA, D. P. (Ed.); ABREU, D. V. (Ed.); SANTOS, E. C. (Ed.); RODRIGUES, B. L. (Ed.); MAIA, A. C. D. (Ed.); **REIS** (Ed.). Brazilian Journal of Oncology. 17th ed., 2021. v. 17. 5 pages.

Published book chapters

1.

REIS, MARCOS CAMPOS WANDERLEY; Pereira, Bruno Monteiro; Nascimento, Bartolomeu; Fraga, Gustavo Pereira. Selection of Prosthetic Materials in the Repair of Complex Abdominal Wall Defects. In: Surgery of Complex Abdominal Wall Defects. 1st ed.: Springer International Publishing, 2017, p. 187-192.

2.

REIS. Duodenal Trauma. In: PIRES, M. T. B.; Starling, S. V. (Eds.). Manual of Emergency Care in the Emergency Room. 10th ed.: MEDSI, 2014, v. , p. 298-.

3.

REIS. Abdominal Trauma. In: PIRES, M. T. B.; Starling, S. V. (Eds.). Manual of Emergency Care in the Emergency Room. 10th ed.: MEDSI, 2014, v. , p. 242-.

4.

REIS. Splenic trauma. In: PIRES, M. T. B.; Starling, S. V. (Eds.). Manual of Emergency Care in the Emergency Room. 10th ed.: Medsi, 2014, , v. , p. 263-.

5.

M. C. W.; PEREIRA, B. M. T.; NASCIMENTO, B.; FRAGA, G. P. Selection of Prosthetic Materials in the Repair of Complex Abdominal Wall Defects. Surgery of complex abdominal wall defects. 1st ed. New York: Springer Science, 2013, v. , p. 89-.

6.

M. C. W.. Blunt splenic trauma: when to operate? In: Fraga, G. P.; Sevá-Pereira, G.; Lopes, L. R. (Eds.). Updates in Surgical Practice. Atheneu, 2011, v. , p.-.

7.

REIS. Multiple Organ Failure. In: Ferrada, R.; Rodrigues, A. (Eds.). Trauma - Panamerican Trauma Society. 1st ed.: , 2010, v. , p.-.

8.

REIS. Non-operative management of hepatic trauma. In: Manso, J. E. F.; SILVA, A. O. (Eds.). Proaci - Surgical Update Program. : , 2010, v. , p.-.

9.

M. C. W.. Use of the VAC system in peritoneostomy: when and how? In: Savassi-Rocha, P. R. et al. (Eds.). Topics in Gastroenterology 18 - 80 commented questions in gastroenterology. Medbook, 2010, v. , p.-.

10.

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: April 17, 2026.



Marcos Campos Wanderley Reis

Endereço para acessar este CV: http://lattes.cnpq.br/0586363871083011
ID Lattes: **0586363871083011**
Última atualização do currículo em 16/05/2024

Possui graduação em Medicina pela UFMG (1993) e residência em Cirurgia Geral/Trauma pela FHEMIG (1994/1996). Atualmente é cirurgião Coordenador do Serviço de Cirurgia da equipe Quiron.É membro titular do Colégio Brasileiro de Cirurgiões (TCBC), da Sociedade Brasileira de Cirurgia Bariátrica e Metabólica, da Sociedade Brasileira de Videocirurgia e da Sociedade Brasileira de Atendimento Integrado ao Trauma. Atua nas seguintes áreas: Cirurgia Geral, Cirurgia Bariátrica, Cirurgia Robótica, Cirurgia do Trauma, Cirurgia Vídeolaparoscópica e Cirurgia Oncológica. Atua como cirurgião: Rede MaterDei de Saúde, Hospital São Lucas Grupo Santa Casa e Instituto Orizonti. Atua como professor na Faculdade de Ciências Médicas FELUMA desde 2024. Coordenador da equipe de cirurgia geral do Hospital da Baleia de 2011 à 2021. **(Texto informado pelo autor)**

Identificação

Nome

Marcos Campos Wanderley Reis

Nome em citações bibliográficas

REIS;M. C. W.;REIS, MARCOS CAMPOS WANDERLEY

Lattes iD

http://lattes.cnpq.br/0586363871083011

País de Nacionalidade

Brasil

Endereço

Endereço Profissional

Consultório.
Rua Santa Rita Durão 20 / 708
Funcionários
30140110 - Belo Horizonte, MG - Brasil
Telefone: (31) 25524823

Formação acadêmica/titulação

1996 - 1996

Especialização - Residência médica.
Hospital João XXIII, FHEMIG, Brasil. Residência médica em: Cirurgia Geral - Atuação em Cirurgia do Trauma
Número do registro: .

1994 - 1995

Especialização - Residência médica.
Hospital Alberto Cavalcanti, FHEMIG, Brasil. Residência médica em: Cirurgia Geral
Número do registro: .

1988 - 1993

Graduação em Medicina.
Universidade Federal de Minas Gerais, UFMG, Brasil.

1985 - 1987

Ensino Médio (2º grau).
Colégio Santo Antônio, CSA, Brasil.

1974 - 1980

Ensino Fundamental (1º grau).
Instituto Lambert, IL, Brasil.

Formação Complementar

2021 - 2022

Certificação em Cirurgia Robótica. (Carga horária: 90h).
Fundação Educacional Lucas Machado, FELUMA, Brasil.

2018 - 2018

Clinical Immersion in Bariatric and Metabolic Surgery.
Cleveland Clinic Florida, CLEVELAND, Estados Unidos.

2016 - 2016

Curso Online Suporte Básico de Vida. (Carga horária: 30h).
Hospital Mater Dei, HMD, Brasil.

2008 - 2008

Treinamento em Cirurgia Bariátrica. (Carga horária: 20h).
Instituto Garido, IG, Brasil.

2003 - 2003

Balão Intergástrico/Cirurgia da Obesidade Mórbida. (Carga horária: 20h).
Clínica Sallet, CS, Brasil.

1998 - 1998

Curso: Update para Instrutores ATLS.
American College of Surgeons, ACS, Brasil.

1998 - 1998

Suporte Avançado de Vida em Cardiologia.
American Heart Association, AHA, Brasil.

1997 - 1997

Advanced Trauma Life Support.
Faculdade de Medicina da Universidade de São Paulo, FAMUSP, Brasil.

1997 - 1997

Curso: Pré-Hospital Trauma Life Support.
Faculdade de Medicina da Universidade de São Paulo, FAMUSP, Brasil.

1996 - 1996

Curso de Atendimento de Urgência Pré-Hospitalar. (Carga horária: 40h).
Secretaria Municipal de Saúde de Fortaleza, SMS, Brasil.

1992 - 1992

Curso: Urgências em Gastroenterologia.
Hospital Mater Dei, HMD, Brasil.

1991 - 1991

Curso de Eletrocardiografia Básica.
Hospital São Francisco de Assis, HSFA, Brasil.

1991 - 1991

Curso de Toxicologia.
Universidade Federal de Minas Gerais, UFMG, Brasil.

1990 - 1990

Curso de Anatomia Propedêutica do Coração.
Hospital São Francisco de Assis, HSFA, Brasil.

1990 - 1990

Embriologia Básica do Coração e Vasos da Base.
Hospital São Francisco de Assis, HSFA, Brasil.

1990 - 1990

Curso de Emergências Médicas.
Associação Médica de Minas Gerais, AMMG, Brasil.

1987 - 1987

Língua Inglesa (Avançado).
Language Study Program, NEW WAY, Brasil.

1985 - 1986

Língua Inglesa (Intermediário).
Language Study Program, NEW WAY, Brasil.

1984 - 1984

Língua Inglesa (Básico).
Language Study Program, NEW WAY, Brasil.

1983 - 1984

Língua Inglesa.
Escola Nacional de Idiomas, ENI, Brasil.

Atuação Profissional

Hospital MaterDei, HMD, Brasil.

Vínculo institucional

2014 - Atual

Vínculo: Médico, Enquadramento Funcional: Cirurgião Geral

Instituto Orizonti, IO, Brasil.

Vínculo institucional

2020 - Atual

Vínculo: Colaborador, Enquadramento Funcional: Cirurgião Geral

Hospital São Lucas, HSL, Brasil.

Vínculo institucional

2020 - Atual

Vínculo: Colaborador, Enquadramento Funcional: Cirurgião Geral

Fundação Educacional Lucas Machado, FELUMA, Brasil.

Vínculo institucional

2024 - Atual

Vínculo: Celetista, Enquadramento Funcional: Professor, Carga horária: 16

Outras informações

-

Fundação Benjamin Guimarães, FBG, Brasil.

Vínculo institucional

2000 - 2021

Vínculo: Contratado, Enquadramento Funcional: Cirurgião geral

Outras informações

Como Coordenador do Serviço de Cirurgia Geral

Atividades

08/2008 - Atual

Direção e administração, Hospital da Baleia.

Cargo ou função
Coordenador do Serviço de Cirurgia Geral.

04/2000 - 08/2008

Direção e administração, Hospital da Baleia, Serviço de Cirurgia Geral.

Cargo ou função
Coordenador da Residência Médica.

01/2000 - 08/2008

Pesquisa e desenvolvimento, Hospital da Baleia.

Linhas de pesquisa
Coordenador da COREME

Hospital Lifecenter, HLC, Brasil.

Vínculo institucional

2006 - Atual

Vínculo: Colaborador, Enquadramento Funcional: Cirurgião Geral

Faculdade da Saúde e Ecologia Humana, FASEH, Brasil.

Estágio realizado
Assistência e acompanhamento dos pacientes.

10/1991 - 12/1991

Estágios , Enfermaria.

Estágio realizado
Estágio Médico Acadêmico.

Linhas de pesquisa

1.

Coordenador da COREME

Áreas de atuação

1.

Grande área: Ciências da Saúde / Área: Medicina / Subárea: Cirurgia/Especialidade: Cirurgia Geral.

2.

Grande área: Ciências da Saúde / Área: Medicina / Subárea: Cirurgia Bariátrica.

3.

Grande área: Ciências da Saúde / Área: Medicina / Subárea: Cirurgia Vídeo laparoscópica.

4.

Grande área: Ciências da Saúde / Área: Medicina / Subárea: Cirurgia/Especialidade: Cirurgia do Trauma.

5.

Grande área: Ciências da Saúde / Área: Medicina / Subárea: Cirurgia Oncológica.

Idiomas

Inglês

Compreende Bem, Fala Bem, Lê Bem, Escreve Bem.

Espanhol

Compreende Bem, Fala Pouco, Lê Razoavelmente, Escreve Pouco.

Prêmios e títulos

2017

Center of Excellence in Metabolic and Bariatric Surgery, Surgical Review Corporation.

2006

Titular da Sociedade Brasileira de Cirurgia Bariátrica e Metabólica, Sociedade Brasileira de Cirurgia Bariátrica e Metabólica.

2003

Titular do Colégio Brasileiro de Cirurgiões, Colégio Brasileiro de Cirurgiões.

2002

Habilitação em Cirurgia Oncológica, Colégio Brasileiro de Cirurgiões.

2002

Habilitação em Cirurgia do Trauma, Colégio Brasileiro de Cirurgiões.

2000

Titular da Sociedade Brasileira de Atendimento Integrado ao Trauma, SBAIT.

1996

Titular da Sociedade Brasileira de Cirurgia Vídeo Endoscópica, SONCIVE.

Produções

Produção bibliográfica

Artigos completos publicados em periódicos

10.

CURY, G. C. ; SALLES, P. G. O. ; **REIS** ; RÊGO, V. M. ; ARNDT, A. W. ; SOUZA FILHO, C. B. A. ; MOREIRA, H. B. ; ABREU, M. S. ; LEITE, P. M. G. . Prevalência da Esquistossomose Mansoni e de Parasitoses Intestinais em Escolares da Área Rural do Município de Jaboticatubas, MG 1992-1993. Revista da Sociedade Brasileira de Medicina Tropical JCR, v. 27, p. 217-220, 1994. **Citações:** SCOPUS 9

11.

SALLES, P. G. O. ; **REIS** ; RÊGO, V. M. ; CURY, G. C. . Avaliação da Prevalência de Parasitoses Intestinais na População Escolar da Zona Rural de Jaboticatubas - MG em 1992/1993. Revista da Sociedade Brasileira de Medicina Tropical JCR, v. 27, p. 217-220, 1994. **Citações:** SCOPUS 9

12.

COSTA & SILVA, N. ; **REIS** ; LAHMANN, W. M. ; PIRES, B. R. . Complicações das Hérnias Inguinais. Revista Médica de Minas Gerais, v. 3, p. Supl 2, 1993.

13.

RODRIGUES, B. L. ; **REIS** ; RÊGO, V. M. ; CURY, G. C. . Avaliação da Prevalência de Parasitoses Intestinais na População Escolar da Zona Rural de Jaboticatubas - MG em 1992/1993. Revista Médica de Minas Gerais, v. 3, p. Supl 2, 1993.

Livros publicados/organizados ou edições

1.

SANTANA, D. P. (Org.) ; ABREU, D. V. (Org.) ; SANTOS, E. C. (Org.) ; RODRIGUES, B. L. (Org.) ; MAIA, A. C. D. (Org.) ; **REIS** (Org.) . Brazilian Journal of Oncology. 17. ed. , 2021. v. 17. 5p .

Capítulos de livros publicados

1.

REIS, MARCOS CAMPOS WANDERLEY; Pereira, Bruno Monteiro ; Nascimento, Bartolomeu ; Fraga, Gustavo Pereira . Selection of Prosthetic Materials in the Repair of Complex Abdominal Wall Defects. Surgery of Complex Abdominal Wall Defects. 1ed.: Springer International Publishing, 2017, v. , p. 187-192.

2.

REIS. Traumatismo Duodenal. In: PIRES, M.T.B, Starling, S.V.. (Org.). Manual de Urgências em Pronto Socorro. 10ed.: MEDSI, 2014, v. , p. 298-.

3.

REIS. Traumatismos Abdominal. In: PIRES, M.T.B, Starling, S.V.. (Org.). Manual de Urgências em Pronto Socorro. 10ed.: MEDSI, 2014, v. , p. 242-.

4.

REIS. Traumatismo esplênico. In: PIRES, M.T.B, Starling, S.V.. (Org.). Manual de Urgências em Pronto Socorro. 10ed.: Medsi, 2014, v. , p. 263-.

5.

M. C. W.; PEREIRA, B. M. T. ; NASCIMENTO, B. ; FRAGA, G. P. . Selection of Prosthetic Materials in the Repair of Complex Abdominal Wall Defets. Surgery of complex abdominal wall defects. 1ed.New York: Springer Science, 2013, v. , p. 89-.

6.

M. C. W.. Trauma contuso do baço: quando operar?. In: Fraga, G. P;Sevá-Pereira, G.;Lopes, L.R.. (Org.). Atualidades em Clínica Cirúrgica. : Atheneu, 2011, v. , p. -.

7.

REIS. Falência Orgânica Múltipla. In: Ferrada, R.; Rodrigues, A.. (Org.). Trauma - Sociedade Panamericana de Trauma. 1ed.: , 2010, v. , p. -.

8.

REIS. Tratamento não operatório do trauma hepático. In: Manso, J.E.F.;Silva, A.O.. (Org.). Proaci - Programa de atualização em cirurgia. : , 2010, v. , p. -.

9.

M. C. W.. Uso do sistema VAC em peritoneostomia: quando e como?. In: Savassi-Rocha, P.R., et all. (Org.). Tópicos em Gastroenterologia 18 - 80 questões comentadas em gastroenterologia. : Medbook, 2010, v. , p. -.

10.

Exhibit C.II - Second Prong: Evidence of Financial Feasibility

bradesco

Statement of Transactions

Name: NIKOLAS DUARTE CALDEIRA BRANT
Account: Branch: 849 | Account: 466932-0
Type of Investment: CDB – Certificate of Deposit
Statement Issue Date: 10/01/2025
From: 09/01/2025
To 09/30/2025

Product: **CDB DI**

#	Investment Date	Due Date	Redemption / Grace Date	Rate (%)	Principal Amount (R$)	Gross Amount (R$)	Total Income (R$)	IOF Amount (R$)	Withholding Income Tax Amount (R$)	Net Amount (R$)	Gross Income
Previous Balance on 08/29/2025											
Investments											
	09/08/2025	08/23/2028	09/08/2025	100.0000	480,000.00						
Total investments					**480,000.00**						
Redemptions											
	09/08/2025	08/23/2028	09/25/2025	100.0000	224,287.54	225,900.34	1,612.80	693.50	206.84	225,000.00	1,612.80
Total Redemptions					**224,287.54**	**225,900.34**	**1,612.80**	**693.50**	**206.84**	**225,000.00**	**1,612.80**
Current Balance 09/30/2025											
	09/08/2025	08/23/2028	09/08/2025	100.0000	255,712.46	257,977.44	2,264.98	588.89	377.12	257,011.43	2,264.98
Total Current Balance					**255,712.46**	**257,977.44**	**2,264.98**	**588.89**	**377.12**	**257,011.43**	**2,264.98**

* This statement may be updated until the end of the day. Values are subject to change.

Bradesco Easy Phone

Capital Cities and Metropolitan Areas: 4002 0022 Other Regions: 0800 570 0022		Balance inquiry, statements, financial, and credit card transactions. Service available 24 hours a day, 7 days a week.
Customer Service (SAC) – Alô Bradesco 0800 704 8383	SAC - Hearing or Speech Impaired 0800 722 0099	For cancellations, complaints, information, suggestions, and compliments. Service available 24 hours a day, 7 days a week.
Ombudsman: 0800 727 9933		Available Monday to Friday from 8 a.m. to 6 p.m., except on holidays.

For other phone numbers, visit the Contact Us (Fale Conosco) website.

I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English, as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.

Marina Viana

Date: October 10, 2025.

bradesco

Extrato de Movimentação

Nome: NIKOLAS DUARTE CALDEIRA BRANT
Conta: Agência: 849 | Conta: 466932-0
Tipo de Investimento: CDB - Certificado de Depósito Bancário
Data Emissão do Extrato: 01/10/2025
A partir de: 01/09/2025
Até: 30/09/2025

Produto: **CDB DI**

#	Dt. Aplicação	Dt. Vencto	Dt. Resgate / Carência	Taxa (%)	Vlr Princ. (R$)	Vlr. Bruto (R$)	Renda Total(R$)	Vlr. IOF (R$)	Vlr. IRRF (R$)	Vlr Líquido(R$)	Renda Bruta Per
Saldo anterior em 29/08/2025											
Aplicações											
	08/09/2025	23/08/2028	08/09/2025	100,0000	480000,00						
Total aplicações					**480000,00**						
Resgates											
	08/09/2025	23/08/2028	25/09/2025	100,0000	224287,54	225900,34	1612,80	693,50	206,84	225000,00	1612,80
Total resgates					**224287,54**	**225900,34**	**1612,80**	**693,50**	**206,84**	**225000,00**	**1612,80**
Saldo atual 30/09/2025											
	08/09/2025	23/08/2028	08/09/2025	100,0000	255712,46	257977,44	2264,98	588,89	377,12	257011,43	2264,98
Total saldo atual					**255712,46**	**257977,44**	**2264,98**	**588,89**	**377,12**	**257011,43**	**2264,98**

* Esse extrato poderá ser atualizado até o fim do dia. Valores sujeitos a alterações.

Fone Fácil Bradesco

Capitais e Regiões Metropolitanas 4002 0022 Demais Regiões 0800 570 0022		Consulta de saldo, extrato, transações financeiras e de cartão de crédito. Atendimento 24 horas, 7 dias por semana
SAC - Alô Bradesco 0800 704 8383	SAC - Deficiente Auditivo ou de Fala 0800 722 0099	Cancelamento, reclamação, informação, sugestão e elogio. Atendimento 24 horas, 7 dias por semana.
Ouvidoria 0800 727 9933		Atendimento de segunda a sexta-feira das 8h às 18h, exceto feriados.

Demais telefones consulte o site Fale Conosco.

bradesco

Statement of Transactions

Name: NIKOLAS DUARTE CALDEIRA BRANT

Account: Branch: 849 | Account: 466932-0

Type of Investment: CDB – Certificate of Deposit

Statement Issue Date: 10/01/2025

From: 09/01/2025

To 09/30/2025

Product: **CDB Automatic Redemption**

#	Investment Date	Due Date	Redemption / Grace Date	Rate (%)	Principal Amount (R$)	Gross Amount (R$)	Total Income (R$)	IOF Amount (R$)	Withholding Income Tax Amount (R$)	Net Amount (R$)	Gross Income
Previous Balance on 08/29/2025											
Investments											
	09/30/2025	09/19/2028	09/30/2025	50.0000	237,777.49						
Total investments					**237,777.49**						
Total Redemptions											
Current Balance 09/30/2025											
	09/30/2025	08/19/2028	09/30/2025	50.0000	237,777.49	237,777.49					
Total Current Balance					**237,777.49**	**237,777.49**					

* This statement may be updated until the end of the day. Values are subject to change.

Bradesco Easy Phone

Capital Cities and Metropolitan Areas: 4002 0022 Other Regions: 0800 570 0022		Balance inquiry, statements, financial, and credit card transactions. Service available 24 hours a day, 7 days a week.
Customer Service (SAC) – Alô Bradesco 0800 704 8383	SAC - Hearing or Speech Impaired 0800 722 0099	For cancellations, complaints, information, suggestions, and compliments. Service available 24 hours a day, 7 days a week.
Ombudsman: 0800 727 9933		Available Monday to Friday from 8 a.m. to 6 p.m., except on holidays.

For other phone numbers, visit the Contact Us (Fale Conosco) website.

I, Marina Viana Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that I have performed the professional translation of this document from Portuguese to English, as a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.

Marina Viana

Date: October 10, 2025.

bradesco

Extrato de Movimentação

Nome: NIKOLAS DUARTE CALDEIRA BRANT
Conta: Agência: 849 | Conta: 466932-0
Tipo de Investimento: CDB - Certificado de Depósito Bancário
Data Emissão do Extrato: 01/10/2025
A partir de: 01/09/2025
Até: 30/09/2025

Produto: **CDB Baixa Automática**

#	Dt. Aplicação	Dt. Vencto	Dt. Resgate / Carência	Taxa (%)	Vlr Princ. (R$)	Vlr. Bruto (R$)	Renda Total(R$)	Vlr. IOF (R$)	Vlr. IRRF (R$)	Vlr.Líquido(R$)	Renda Bruta Per
Saldo anterior em 29/08/2025											
Aplicações											
	30/09/2025	19/09/2028	30/09/2025	50.0000	237777,49						
Total aplicações					**237777,49**						
Total resgates											
Saldo atual 30/09/2025											
	30/09/2025	19/09/2028	30/09/2025	50.0000	237777,49	237777,49				237777,49	
Total saldo atual					**237777,49**	**237777,49**				**237777,49**	

* Esse extrato poderá ser atualizado até o fim do dia. Valores sujeitos a alterações.

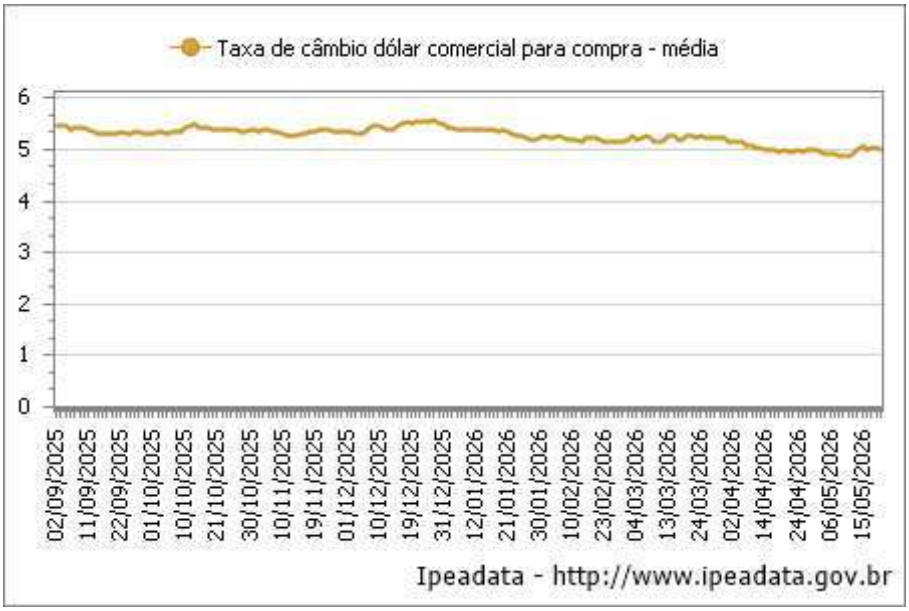
Fone Fácil Bradesco

Capitais e Regiões Metropolitanas 4002 0022 Demais Regiões 0800 570 0022		Consulta de saldo, extrato, transações financeiras e de cartão de crédito. Atendimento 24 horas, 7 dias por semana
SAC - Alô Bradesco 0800 704 8383	SAC - Deficiente Auditivo ou de Fala 0800 722 0099	Cancelamento, reclamação, informação, sugestão e elogio. Atendimento 24 horas, 7 dias por semana.
Ouvidoria 0800 727 9933		Atendimento de segunda a sexta-feira das 8h às 18h, exceto feriados.

Demais telefones consulte o site Fale Conosco

Commercial dollar exchange rate for purchase - average (GM366_ERC366)
Frequency: Daily from 02/01/1985 to 21/05/2026
Source: Central Bank of Brazil, Time Series Management System (Bacen Other/SGS)
Unit: R$
Comment: Also known as PTAX, this rate corresponds to the arithmetic mean of the purchase rates from daily queries.

Note: **From 01/07/1994, Brazilian Reais (R$); on previous dates, in Reais equivalent to the respective conversion of the current currency.** Refers to rates administered until March 13, 1990 and to free rates from that date (Resolution 1690, of 18.3.1990). More information: Exchange Rate Guide 2018 , The Ptax reference exchange rate , How exchange rate expectations are formed .
Updated on: 22/05/2026



Date	Average commercial dollar exchange rate for buying.
21/05/2026	5.0071
20/05/2026	5.0295
19/05/2026	5.0372
18/05/2026	5.0087
15/05/2026	5.0648
14/05/2026	4.9803
13/05/2026	4.9112
12/05/2026	4.8971
11/05/2026	4.8967
08/05/2026	4.8993
07/05/2026	4.9164
06/05/2026	4.9268
05/05/2026	4.9236
04/05/2026	4.9581
30/04/2026	4.9880
29/04/2026	4.9979
28/04/2026	4.9872

522

Exhibit D - Personal Documents

FEDERATIVE REPUBLIC OF BRAZIL

STATE OF MINAS GERAIS

THIRD SUBDISTRICT OF BELO HORIZONTE

LUIZ CARLOS PINTO FONSECA

CIVIL REGISTRY REGISTRAR

BIRTH CERTIFICATE

BOOK . . . . . : 385
PAGE . . . . . : 300
ENTRY . . . . . : 105267

I **CERTIFY** that in the book, entry, and page mentioned from the birth registry of the registry office under my responsibility, there is a record referring to

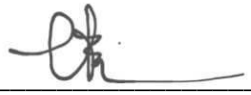
NIKOLAS DUARTE CALDEIRA BRANT / /
Male / /
Born in Belo Horizonte, Minas Gerais / /
On the ninth (09) day of October / /
of nineteen eighty-three (1983) / /
Son of **ANTÔNIO AUGUSTO CALDEIRA BRANT FILHO / /** and
MARIA ELIZABETH DUARTE CALDEIRA BRANT / /
Paternal Grandparents: **Antônio Augusto Caldeira Brant / /** and
Terezinha Vitelli Caldeira Brant / /
Maternal Grandparents: **Afranio Rodrigues Duarte / /** and
Maria Elena Duarte / /
Declarant: **the father. / /**
Registered on October 21, 1983 //
NOTES / /
/ /
The above is true and I certify.
Belo Horizonte, August 21, 1997.

-----//Signature//----

CIVIL REGISTRY OFFICE
3rd SUBDISTRICT
LUIZ CARLOS PINTO FONSECA
Civil Registry Registrar
RUA AIMORES, 1816 - ZIP CODE 30140-072
BELO HORIZONTE - MINAS GERAIS
PHONE NUMBERS: 224-5588 / 224-2661
Ana Maria Goulart do Amaral Silva
Sworn Clerk
Signature: NOTARY OFFICE
BH - 7th Office - Avenida Alvares Cabral, 220
SP - 11th and 21st Office
CE - 3rd Office - Fortaleza
RJ - 11th Office
DF - 1st Office
RS - 2nd Office - Porto Alegre


CIVIL REGISTRY OFFICE
3rd SUBDISTRICT
LUIZ CARLOS PINTO FONSECA
Enlisted for
1st Dsl SM
RA 1102
30140-072
ERAIS
24-2661
Iva
SP - 11th and 21st Office
CE - 3rd Office - Fortaleza
RJ - 11th Office
DF - 1st Office
RS - 2nd Office - Porto Alegre

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.


_____ Date: October 20, 2025.

REPÚBLICA FEDERATIVA DO BRASIL

ESTADO DE MINAS GERAIS

TERCEIRO SUBDISTRITO DE BELO HORIZONTE

LUIZ CARLOS PINTO FONSECA

OFICIAL DO REGISTRO CIVIL

CERTIDÃO DE NASCIMENTO

LIVRO.....: 385

FOLHA.....: 300

TERMO.....: 105267

CERTIFICO que do livro, termo e folha citados do registro de nascimentos do cartório a meu cargo consta o assento referente a

NIKOLAS DUARTE CALDEIRA BRANT//

do sexo Masculino//

Nascido em Belo Horizonte,MG//
No dia nove(09) de outubro//
de mil e novecentos e oitenta e três (1983)//

Filho de ANTÔNIO AUGUSTO CALDEIRA BRANT FILHO// e
MARIA ELIZABETH DUARTE CALDEIRA BRANT//

Avós Paternos Antônio Augusto Caldeira Brant// e
Terezinha Vitelli Caldeira Brant//

Avós Maternos Afranio Rodrigues Duarte// e
Maria Elena Duarte//

Declarante o pai.//

Registrado em 21 de outubro de 1983//

OBSERVAÇÕES //
//

O referido é verdade, do que dou fé.

Belo Horizonte, 21 de agosto de 1997.

CARTÓRIO DO REGISTRO CIVIL
3° SUBDISTRITO
LUIZ CARLOS PINTO FONSECA
Oficial do Registro Civil
RUA AIMORÉS, 1818 - CEP 30140-072
BELO HORIZONTE — MINAS GERAIS
TELEFONES: 224-5588 - 224-2661
Ana Maria Goulart do Amaral e Silva
Escrevente Juramentada
Firma: CARTÓRIO DE NOTAS
BH - 7.° Ofício - Av. Álvares Cabral, 226
SP - 11.° e 21.° Ofício
CE - 3° Ofício - Fortaleza
RJ - 11.° Ofício
DF - 1° Ofício
RS - 2.° Ofício - Porto Alegre

Filiado p/ IBM 022
1º Del SM - IL CSM
RA 1022 656882-9

Nikolas Duarte Caldeira Brant

Assinatura do titular / Signature du titulaire
Bearer's signature / Firma del titular

GD454668

Este passaporte deve ser assinado pelo titular,
salvo em caso de incapacidade.

Ce passeport doit être signé par le titulaire,
sauf en cas d'incapacité.

This passport must be signed,
except where the bearer is unable to do so.

Este pasaporte debe ser firmado por el titular,
salvo en caso de incapacidad.

REPÚBLICA FEDERATIVA DO BRASIL

PASSAPORTE
PASSPORT

TIPO / TYPE
P

PAÍS EMISSOR / ISSUING COUNTRY
BRA

PASSAPORTE Nº / PASSPORT No.
GD454668

SOBRENOME / SURNAME
DUARTE CALDEIRA BRANT

NOME / GIVEN NAMES
NIKOLAS

NACIONALIDADE / NATIONALITY
BRASILEIRO(A)

IDENTIDADE Nº / PERSONAL No.

DATA DO NASCIMENTO / DATE OF BIRTH
09 OUT/OCT 1983

SEXO / SEX
M

NATURALIDADE / PLACE OF BIRTH
BELO HORIZONTE/MG

FILIAÇÃO / FILIATION
ANTONIO AUGUSTO CALDEIRA BRANT FILHO

MARIA ELIZABETH DUARTE CALDEIRA BRANT

DATA DE EXPEDIÇÃO / DATE OF ISSUE
22 DEZ/DEC 2021

AUTORIDADE / AUTHORITY
SR/DPF/MG

VÁLIDO ATÉ / DATE OF EXPIRY
21 DEZ/DEC 2031

P<BRADUARTE<CALDEIRA<BRANT<<NIKOLAS<<<<<<<<<<
GD454668<4BRA8310095M3112216<<<<<<<<<<<<<<02


VISA
UNITED STATES OF AMERICA
Issuing Post Name
SAO PAULO
Control Number
20152080780008
Surname
DUARTE CALDEIRA BRANT
Given Name
NIKOLAS
Visa Type /Class
R B1/B2
Passport Number
FN236413
Sex
M
Birth Date
09OCT1983
Nationality
BRZL
Entries
M
Issue Date
29JUL2015
Expiration Date
27JUL2025
1001
Annotation
K5564775
**
VNUSADUARTE<CALDEIRA<BRANT<<NIKOLAS<<<<<<<<<<
FN236413<5BRA8310095M2507271B3SPL2CZ23751115

UNITED STATES OF AMERICA

VISA



Issuing Post Name
BRASILIA

Control Number
20252381620001

Surname
DUARTE CALDEIRA BRANT

Given Name
NIKOLAS

Visa Type /Class
R B1/B2

Passport Number
GD454668

Sex
M

Birth Date
09OCT1983

Nationality
BRZL

Entries
M

Issue Date
02SEP2025

Expiration Date
25AUG2035

Annotation

W1460675

VISA

VNUSADUARTE<CALDEIRA<BRANT<<NIKOLAS<<<<<<<<<<

GD454668<4BRA8310095M3508253B3BRA112ZF251169

FEDERATIVE REPUBLIC OF BRAZIL
CIVIL REGISTRY OF NATURAL PERSONS

MARRIAGE CERTIFICATE

NAMES	CPF
NIKOLAS DUARTE CALDEIRA BRANT	**012.713.876-54**
LAURA REGINA RODRIGUES ALVES	**083.471.996-71**

Registration: 031849 01 55 2019 2 00334 058 0084592 18

FULL BIRTH NAMES, DATES/PLACES OF BIRTH, NATIONALITY, FILIATION OF THE SPOUSES

Nikolas Duarte Caldeira Brant, born in Belo Horizonte, Minas Gerais, Brazilian, born on the ninth (09) day of October, nineteen eighty-three (1983), son of Antônio Augusto Caldeira Brant Filho and Maria Elizabeth Duarte Caldeira Brant.
Laura Regina Rodrigues Alves, born in Belo Horizonte, Minas Gerais, Brazilian, born on the ninth (09) day of August, nineteen eighty-eight (1988), daughter of Rinaldo Eudes de Sousa Alves and Jane Meyre Rodrigues Alves.

DATE OF MARRIAGE REGISTRATION	DAY	MONTH	YEAR
October third, two thousand nineteen	03	10	2019

MARITAL PROPERTY REGIME

Partial Community Property

NAME EACH SPOUSE BEGAN TO USE

Nikolas Duarte Caldeira Brant and Laura Regina Rodrigues Alves

NOTES / ANNOTATIONS

No Record

THIRD SUBDISTRICT OF BELO HORIZONTE
Luiz Carlos Pinto Fonseca
Belo Horizonte, Minas Gerais, ZIP Code: 30,170-132, Brazil
Rua São Paulo, 1620

The content of this certificate is true. I certify.
Belo Horizonte, October 03, 2019

----//signature//----

Registrar

Judiciary - Court of Justice of the State Of Minas Gerais - Judicial Administrative Department
Third Subdistrict -Civil Registry of Natural Persons - Belo Horizonte
Electronic Verification Seal: **DBX96257**
Security Code: **1994.8731.2866.3582**
Total Acts = 14, Act Codes: 7701-6, Fees: 48.86 Art. 31: 2.93 Art. 31 TJ Fee: 6.65, 7802-2 Fees: 31.09 Art. 31: 1.86 Art. 31 TJ Fee: 6.65, Total: 98.04
Verify the authenticity of this seal at: https://selos.tjmg.jus.br
Phone: 31-2535.4822 Email: contato@registrocivil3bh.com

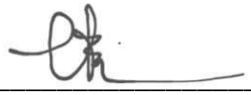
Civil Registry Office - BH - 3rd Subdistrict - Public

CIVIL REGISTRY OFFICE – 3rd SUBDISTRICT
Nilcom de Freitas Abreu
SWORN CLERK

BRP DA 003893730

ARPENBRASIL NATIONAL ASSOCIATION OF NATURAL PERSONS REGISTRARS

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.


_____ Date: October 6, 2025.

REPÚBLICA FEDERATIVA DO BRASIL
REGISTRO CIVIL DAS PESSOAS NATURAIS

CERTIDÃO DE CASAMENTO

NOMES	CPF
NIKOLAS DUARTE CALDEIRA BRANT	012.713.876-54
LAURA REGINA RODRIGUES ALVES	083.471.996-71

Matricula: 031849 01 55 2019 2 00334 058 0084592 18

NOMES DE SOLTEIRO,DATAS/LOCAIS DE NASCIMENTO,NACIONALIDADE,FILIAÇÃO DOS CONJUGES

Nikolas Duarte Caldeira Brant, nascido em Belo Horizonte , MG, brasileiro no dia nove(09) de outubro de um mil novecentos e oitenta e três(1983), filho de Antônio Augusto Caldeira Brant Filho e de Maria Elizabeth Duarte Caldeira Brant .

Laura Regina Rodrigues Alves, nascida em Belo Horizonte , MG, brasileira no dia nove(09) de agosto de um mil novecentos e oitenta e oito(1988), filha de Rinaldo Eudes de Sousa Alves e de Jane Meyre Rodrigues Alves.

DATA DE REGISTRO DO CASAMENTO	DIA	MÊS	ANO
três de outubro de dois mil e dezenove	03	10	2019

REGIME DE BENS DO CASAMENTO
Comunhão Parcial de Bens

NOME QUE CADA UM DOS CÔNJUGES PASSOU A UTILIZAR
Nikolas Duarte Caldeira Brant e Laura Regina Rodrigues Alves

OBSERVAÇÕES / AVERBAÇÕES
Nada Consta

TERCEIRO SUBDISTRITO DE BELO HORIZONTE
Luiz Carlos Pinto Fonseca
Belo Horizonte MG Cep: 30.170-132 Brasil
Rua São Paulo, 1620

O Conteúdo da certidão é verdadeiro. Dou fé.
Belo Horizonte, 03 de outubro de 2019

Oficial

Poder Judiciário-TJMG-Corregedoria de Justiça
Terceiro Subdisrito - Registro de Pessoas Naturais - Belo Horizonte
Selo Eletrônico de consulta: **DBX96257**
Código de Segurança: **1994.8731.2866.3582**
Total de Atos = 14 Código do ato: 7701-6 Emol.:48,86 Art.31 2,93 Art.31 Tfj 6,65, 7802-2 Emol.:31,09 Art.31 1,86 Art.31 Tfj 6,65, . Total: 98,04.
Consulte a validade deste selo no site https://selos.tjmg.jus.br
Telefone: 31-2535.4822 E-mail contato@registrocivil3bh.com.br

Reg. Civil 3º Subdistrito BH - Cartório do

CARTÓRIO DO REGISTRO CIVIL 3º SUBDISTRITO
Nilçom de Freitas Abreu

ESCREVENTE JURAMENTADO

ARPENBRASIL DA 003893730 BRP

Authentic

FEDERATIVE REPUBLIC OF BRAZIL

STATE OF MINAS GERAIS

FIRST SUBDISTRICT OF BELO HORIZONTE

Civil Registry Registrar: José Augusto Silveira

CIVIL REGISTRY AND NOTARY OFFICE OF THE FIRST SUBDISTRICT
José Augusto Silveira
Civil Registry Registrar
Nilza de Freitas - Deputy Registrar
BELO HORIZONTE - MINAS GERAIS
RUA TUPINAMBÁS, 297
ZIP CODE 30120 PHONE: 222-6606

Deputy Registrar: Nilza de Freitas

I certify that in this Registry Office a birth record was drawn up, from which the following is read:

BIRTH CERTIFICATE

Book **717-A** Page **203–** RECORD No. **226,687**

On **the sixteenth (16) of August**, nineteen **eighty-eight (1988),**
RINALDO EUDES DE SOUZA ALVES, civil engineer (CREA 40.8000/D; and
Marriage Certificate), appeared before this registry office and declared that: on the
ninth (9) day of August- of the current year **//**
at **11:40 a.m.**, in this Capital,
at **Santa Fé Maternity Hospital**,
a child was born who was given the name
"LAURA REGINA RODRIGUES ALVES"
female, the first of this given name, daughter of the declarant
and JANE MEYRE RODRIGUES ALVES, Psychologist, 26 years old,
both born in this State, residents of this Capital,
at Rua Campinas 510, apartment 101, Esplanada neighborhood, civilly married
in this Subdistrict.
Paternal granddaughter of
SILVIO NOGUEIRA ALVES and MARIA DE LOURDES SOUZA ALVES
and maternal granddaughter of
NELYTO RODRIGUES PEREIRA and EDWIGES MILAGRES RODRIGUES

I note the corrections above: 40.,
The occupation of the registered child's mother is: PSYCHOLOGIST. -
And so, for the record, in accordance with the legislation in force, this
certificate was drawn up, which, having been read and found correct, is signed by the declarant
and the witnesses, residents of this Capital,
Maria Angela Alves and Rosangela Santana Ramos, clerks.

The above is true and I certify.

Belo Horizonte, **08/16/1988**

The Registrar, -----//Signature//----

MOD. N. 2

430

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.



Date: May 18, 2026.

Autêntica

REPÚBLICA FEDERATIVA DO BRASIL

ESTADO DE MINAS GERAIS

PRIMEIRO SUBDISTRITO DE BELO HORIZONTE

Oficial do Registro Civil: José Augusto Silveira

Oficial Substituta: Nilza de Freitas

CARTÓRIO DE PAZ E REGISTRO CIVIL DO PRIMEIRO SUBDISTRITO
José Augusto Silveira
Oficial do Registro Civil
Nilza de Freitas - Oficial Substituta
BELO HORIZONTE — MINAS GERAIS
RUA TUPINAMBÁS, 287
CEP 30.120 TEL.: 222-5806

Certifico que neste Cartório foi lavrado termo de nascimento do qual se lê:

CERTIDÃO DE NASCIMENTO

Livro 717-A Folha 203- ASSENTO Nº 226.687

Aos dezesseis (16) de agosto de mil novecentos e oitenta e oito (1.988) RINALDO EUDES DE SOUSA ALVES, enganheiro Civil (CREA 40.800/D; e Cert. ded Cas.) compareceu neste cartório e declarou que: no dia nove (9) de agosto- do ano corrente, // às onze (11) horas e quarenta (40) minutos, nesta Capital, na Maternidade Santa Fé, nasceu uma criança que recebeu o nome de " LAURA REGINA RODRIGUES ALVES " do sexo feminino, primeira deste prenome, filha do(a) declarante e de JANE MEYRE RODRIGUES ALVES, psicologa, com 26 anos de idade, naturais deste Estado, residentes nesta Capital, à rua Campinas, nº 510, apto. 101, Bairro Esplanada, casados civilmente neste Subdistrito, neta paterna de SILVIO NOGUEIRA ALVES e MARIA DE LOURDES SOUSA ALVES e materna de NELYTO RODRIGUES PEREIRA e EDWIGES MILAGRES RODRIGUES

Ressalvo as emendas acima: de,40.,

A profissão da genitora da registrada é:PSICÓLOGA.-

Do que, para constar, de acordo com a legislação em vigor, foi lavrado este termo que, lido e achado conforme, vai assinado pelo declarante e as testemunhas, residentes nesta Capital, Maria Angela Alves e Rosangela Santana RAmos, escriturárias.

O referido é verdade, do que dou fé

Belo Horizonte, 16/08/88

O Oficial,

MOD. N - 2

FEDERATIVE REPUBLIC OF BRAZIL
CIVIL REGISTRY OF NATURAL PERSONS

BIRTH CERTIFICATE

Heitor Alves Caldeira Brant

CPF

011.145.836-69

Registration: 031849 01 55 2024 1 01081 276 0444158 95

DATE OF BIRTH	DAY	MONTH	YEAR
November sixth, two thousand twenty-four	06	11	2024

TIME OF BIRTH	CITY OF BIRTH
10:18 PM	Belo Horizonte, Minas Gerais

CITY OF REGISTRATION AND STATE	PLACE, CITY OF BIRTH	SEX
Belo Horizonte, Minas Gerais	Vila da Serra, Nova Lima, Minas Gerais	Male

FILIATION

Nikolas Duarte Caldeira Brant, born in: Belo Horizonte, Minas Gerais, resident of: Belo Horizonte, Minas Gerais // Laura Regina Rodrigues Alves, born in: Belo Horizonte, Minas Gerais, resident of: Belo Horizonte, Minas Gerais //

GRANDPARENTS

Antônio Augusto Caldeira Brant Filho, Maria Elizabeth Duarte Caldeira Brant
Rinaldo Eudes de Souza Alves, Jane Meyre Rodrigues Alves.

TWIN	NAME AND REGISTRATION NUMBER OF TWINS
No	XXXXXXXXXXXXXXXXXXXXXX

DATE OF REGISTRATION	LIVE BIRTH REGISTRATION NUMBER
November eleventh, two thousand twenty-four	30909756696

ANNOTATIONS/NOTES TO BE ADDED

To issue the CPF Card, go to the following website https://www.receita.fazenda.gov.br/Aplicacoes/SSL/ATCTA/cpf/ImpressaoComprovante/ConsultaImpressao.asp

THIRD SUBDISTRICT OF BELO HORIZONTE Luiz Carlos Pinto Fonseca Belo Horizonte, Minas Gerais, ZIP Code: 30,170-132, Brazil Rua São Paulo, 1620 - Phone: 31 2535-4822 Email: contato@registrocivil3bh.com.br	The content of this certificate is true. I certify. Belo Horizonte, November 11, 2024 ----//signature//---- Registrar

JUDICIARY - COURT OF JUSTICE OF THE STATE OF MINAS GERAIS - JUDICIAL ADMINISTRATIVE DEPARTMENT
Third Subdistrict of Belo Horizonte, Minas Gerais-Civil Registry of Natural Persons
Electronic Verification Seal: IIZ25283
Security Code: 3377.0104.4518.6852
Processed by: Lourdes Santos - Clerk
Total Acts = 6, Act Codes: 9101-7, 7802-2 (R$ 0.00), 7901-2 (R$ 0.00), 8101-8 3 Filings
Total: R$ 0.00
Verify the authenticity of this seal at: https://selos.tjmg.jus.br

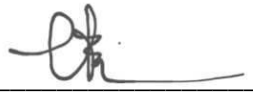
Civil Registry Office - 3rd Subdistrict - BH

CIVIL REGISTRY OFFICE – 3rd SUBDISTRICT
Lourdes Adriana Melgaço Avelino Santos
SWORN CLERK

BE 00129469 BRP

RECIVIL Civil Registry Office

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.


_____ Date: October 6, 2025.

REPÚBLICA FEDERATIVA DO BRASIL
REGISTRO CIVIL DAS PESSOAS NATURAIS

CERTIDÃO DE NASCIMENTO

Heitor Alves Caldeira Brant

CPF
011.145.836-69

Matricula: 031849 01 55 2024 1 01081 276 0444158 95

DATA DE NASCIMENTO: Seis de novembro de dois mil e vinte e quatro | DIA: 06 | MES: 11 | ANO: 2024

HORA: 22:18 | NATURALIDADE: Belo Horizonte, MG

MUNICÍPIO DO REGISTRO E U.F.: Belo Horizonte, MG | LOCAL. MUNICÍPIO DE NASCIMENTO: Vila da Serra, Nova Lima, MG | SEXO: Masculino

FILIAÇÃO
Nikolas Duarte Caldeira Brant, Natural de: Belo Horizonte, MG, Residente em: Belo Horizonte, MG//
Laura Regina Rodrigues Alves, Natural de: Belo Horizonte, MG, Residente em: Belo Horizonte, MG//

AVÓS
Antônio Augusto Caldeira Brant Filho, Maria Elizabeth Duarte Caldeira Brant
Rinaldo Eudes de Souza Alves, Jane Meyre Rodrigues Alves.

GÊMEOS: Nao | NOME E MATRICULA DOS GÊMEOS: XXXXXXXXXXXXXXXXXXXXXXXX

DATA DO REGISTRO: 11 de novembro de 2024 | Nº DA DECLARAÇÃO DE NASCIDO VIVO: 30909756696

AVERBAÇÕES/ANOTAÇÕES A ACRESCER
Para emissão do Cartão do CPF vá ao endereco da internet
https://www.receita.fazenda.gov.br/Aplicacoes/SSL/ATCTA/cpf/ImpressaoComprovante/ConsultaImpressao.asp

TERCEIRO SUBDISTRITO DE BELO HORIZONTE
Luiz Carlos Pinto Fonseca
Belo Horizonte MG Cep: 30.170-132 Brasil
Rua São Paulo, 1620 - Telefone: 31-2535.4822
E-mail contato@registrocivil3bh.com.br

O Conteúdo da certidão é verdadeiro. Dou fé.
Belo Horizonte, 11 de novembro de 2024

Oficial

PODER JUDICIÁRIO-TJMG-CORREGEDORIA GERAL DE JUSTIÇA
Terceiro Subdistrito de Belo Horizonte MG - Registro Civil de Pessoas Naturais
Selo Eletrônico de consulta: IIZ25283
Código de Segurança: 3377.0104.4518.6852
Praticado por: Lourdes Santos -Escrevente
Total de Atos = 6 Código do ato: 9101-7, 7802-2 0,00, 7901-2 0,00, 8101-8 3 Arquivamentos.
Total: 0,00.
Consulte a validade deste selo no site https://selos.tjmg.jus.br

Cartório do Reg. Civil 3º Subdistrito - BH

CARTÓRIO DO REGISTRO CIVIL 3º SUBDISTRITO
Lourdes Adriana Melgaço Avelino Santos
ESCREVENTE JURAMENTADA

Indústria Gráfica Brasileira Ltda

BE 00129496969 BRP

ARECIVIL

JUDICIARY– TJMG
(Court of Justice of the State of Minas Gerais)
JUDICIAL ADMINISTRATIVE DEPARTMENT
THIRD SUBDISTRICT OF BELO HORIZONTE

Digital Seal: GAD79654 Security Code: 0498.7632.4906.7216 - Number of Act(s) Performed: 02

Verify authenticity at: https://selos.tjmg.jus.br

FEDERATIVE REPUBLIC OF BRAZIL
CIVIL REGISTRY OF NATURAL PERSONS

BIRTH CERTIFICATE
NAME
Olívia Alves Caldeira Brant

CPF
193.139.996-41

REGISTRATION:
0318490155 2022 1 01002 025 0420207 16

DATE OF BIRTH IN FULL	DAY MONTH YEAR
September fourth, two thousand twenty-two	04/09/2022

TIME OF BIRTH	CITY OF BIRTH
10:45 PM	Belo Horizonte - Minas Gerais

CITY OF REGISTRATION AND STATE	PLACE, CITY OF BIRTH AND STATE	SEX
Belo Horizonte - Minas Gerais	VILA DA SERRA HOSPITAL, Nova Lima - Minas Gerais	Female

FILIATION
Nikolas Duarte Caldeira Brant, born in: Belo Horizonte, Minas Gerais
Laura Regina Rodriques Alves, born in: Belo Horizonte, Minas Gerais

GRANDPARENTS
Antonio Augusto Caldeira Brant Filho and Maria Elizabeth Duarte Caldeira Brant
Rinaldo Eudes de Sousa Alves and Jane Meyre Rodriques Alves

TWIN	NAME AND REGISTRATION NUMBER OF TWINS
No	

DATE OF REGISTRATION	LIVE BIRTH REGISTRATION NUMBER
September fifth, two thousand twenty-two	30850687251

ANNOTATIONS/NOTES TO BE ADDED

REGISTRATION NOTES

DOCUMENT TYPE	NUMBER	DATE OF ISSUE	ISSUING AUTHORITY	VALIDITY DATE
RG ID	---	---	---	---
PIS/NIS (Social Integration Program / Social Identification Number)	---	---	---	---
Passport	---	---	---	---
National Health Card	---	---		---
DOCUMENT TYPE	NUMBER	DISTRICT/POLLING STATION	CITY	STATE
Voter ID	---	---	---	---

ZIP CODE	---		BLOOD TYPE	---

*The registration notes above do not exempt the interested party from presenting the original document when required by the requesting agency or when necessary for the identification of the holder.

Certificate drawn up by LUIZ CARLOS PINTO FONSECA - THIRD SUBDISTRICT OF BELO HORIZONTE, who signed electronically under the terms of Article 13 of Provision No. 13 of the CNJ.

I certify that, on September 5, 2022, this certificate was extracted from the Interconnected Birth Registration System, and the authenticity of its electronic signature was verified by me.

THIRD SUBDISTRICT OF BELO HORIZONTE

Registrar: Luiz Carlos Pinto Fonseca
Rua São Paulo, 1620
Lourdes
Belo Horizonte
(31) 2535-4822.

The content of this certificate is true. I certify.
Belo Horizonte, September 05, 2022.

----//signature//----

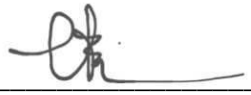
Signature of the Clerk
JOYCE CAROLINA DO AMARAL CAMPOS

CIVIL REGISTRY OF NATURAL PERSONS OF NOVA LIMA
Silvia Mara Linhares de Almeida - Chief Registrar
Rua José Sabino Duarte, No. 160; Quintas Neighborhood; Nova Lima - Minas Gerais
ZIP Code: 34.000-231 - Email: rcpnnovalima@gmail.com
For certificate requests: https://registrocivilminas.org.br

Joyce C. do Amaral Campos
Clerk

RECIVIL AA 013069033 MG-P
Civil Registry Office

I, Carolina Favero da Silva, telephone number 415 425-2508, mailing address P.O. Box 90487, San Diego, CA 92169, certify that the professional translation of this document from Portuguese to English has been performed by myself, a qualified translator fluent in both languages, and that the following is an accurate and complete translation of the document.


_____ Date: October 7, 2025.

PODER JUDICIÁRIO - TJMG
CORREGEDORIA - GERAL DE JUSTIÇA
TERCEIRO SUBDISTRITO DE BELO HORIZONTE

Selo Digital GAD79654 - Cod. Seg. 0488 7632 4906 7218 - Quantidade de Ato(s) Praticado(s): 02

Consulte a validade no site: https://selos.tjmg.jus.br

REPÚBLICA FEDERATIVA DO BRASIL
REGISTRO CIVIL DAS PESSOAS NATURAIS

CERTIDÃO DE NASCIMENTO

NOME

CPF

Olívia Alves Caldeira Brant

193.139.996-41

MATRÍCULA

0318490155 2022 1 01002 025 0420207 16

DATA DE NASCIMENTO POR EXTENSO

quatro de setembro de dois mil e vinte e dois

DIA MÊS ANO

04/09/2022

HORA DE NASCIMENTO

22:45

NATURALIDADE

Belo Horizonte - MG

MUNICÍPIO DE REGISTRO E UNIDADE DA FEDERAÇÃO

Belo Horizonte - MG

LOCAL, MUNICÍPIO DE NASCIMENTO E UF

HOSPITAL VILA DA SERRA - Nova Lima - MG

SEXO

Feminino

FILIAÇÃO

Nikolas Duarte Caldeira Brant, Natural de: Belo Horizonte, MG
Laura Regina Rodrigues Alves, Natural de: Belo Horizonte, MG

AVÓS

Antônio Augusto Caldeira Brant Filho e Maria Elizabeth Duarte Caldeira Brant
Rinaldo Eudes de Sousa Alves e Jane Meyre Rodrigues Alves

GÊMEOS

Não

NOME E MATRÍCULA DOS GÊMEOS

DATA DO REGISTRO POR EXTENSO

cinco de setembro de dois mil e vinte e dois

NÚMERO DA DNV/ DECLARAÇÃO DE NASCIDO VIVO

30850687251

AVERBAÇÕES / ANOTAÇÕES A ACRESCER

ANOTAÇÕES DE CADASTRO

TIPO DOCUMENTO	NÚMERO	DATA EXPEDIÇÃO	ORGÃO EXPEDIDOR	DATA DE VALIDADE
RG	---	---	---	---
PIS/NIS	---	---	---	---
Passaporte	---	---	---	---
Cartão Nacional de Saúde	---	---	---	---

TIPO DOCUMENTO	NÚMERO	ZONA/SEÇÃO	MUNICÍPIO	UF
Título de Eleitor	---	---	---	---

CEP Residencial	---	ORGÃO EXPEDIDOR	---

* As anotações de cadastro acima não dispensam a parte interessada da apresentação do documento original, quando exigido pelo órgão solicitante ou quando necessário para identificação de seu portador.

Certidão lavrada por LUIZ CARLOS PINTO FONSECA do TERCEIRO SUBDISTRITO DE BELO HORIZONTE, o(a) assinou eletronicamente nos termos do artigo 13 do Provimento nº 13 do CNJ.

Certifico que, em data de 5 de Setembro de 2022 foi extraída esta certidão do Sistema Interligado de Registro de Nascimento, sendo a autenticidade de sua assinatura eletrônica por mim conferida

TERCEIRO SUBDISTRITO DE BELO HORIZONTE

Oficial: Luiz Carlos Pinto Fonseca
Rua São Paulo, 1620
Lourdes
Belo Horizonte
(31) 2535-4822

O conteúdo da certidão é verdadeiro. Dou fé
Belo Horizonte, 5 de Setembro de 2022

Assinatura do Escrevente
JOYCE CAROLINA DO AMARAL CAMPOS

REGISTRO CIVIL DAS PESSOAS NATURAIS DE NOVA LIMA
Silvia Mara Linhares de Almeida - Oficiala Titular
R. José Sabino Duarte, nº 160, Bairro Quintas, Nova Lima-MG
CEP: 34.000-231 - E-mail: rcpnnovalima@gmail.com
Para pedido de certidão: https://registrocivilminas.org.br

Joyce C. do Amaral Campos
Escrevente

RECIVIL AA 013069033 MG-P

Laura Regina Rodrigues Alves

Assinatura do titular / Signature du titulaire
Bearer's signature / Firma del titular

FY151637

Este passaporte deve ser assinado pelo titular, salvo em caso de incapacidade.

Ce passeport doit être signé par le titulaire, sauf en cas d'incapacité.

This passport must be signed, except where the bearer is unable to do so.

Este pasaporte debe ser firmado por el titular, salvo en caso de incapacidad.

REPÚBLICA FEDERATIVA DO BRASIL

PASSAPORTE
PASSPORT

TIPO / TYPE: P
PAÍS EMISSOR / ISSUING COUNTRY: BRA
PASSAPORTE Nº / PASSPORT No.: FY151637

SOBRENOME / SURNAME
RODRIGUES ALVES



NOME / GIVEN NAMES
LAURA REGINA

NACIONALIDADE / NATIONALITY
BRASILEIRO(A)

DATA DO NASCIMENTO / DATE OF BIRTH
09 AGO/AUG 1988

IDENTIDADE Nº / PERSONAL No.

SEXO / SEX
F

NATURALIDADE / PLACE OF BIRTH
BELO HORIZONTE/MG

FILIAÇÃO / FILIATION
JANE MEYRE RODRIGUES ALVES

RINALDO EUDES DE SOUSA ALVES

DATA DE EXPEDIÇÃO / DATE OF ISSUE
07 FEV/FEB 2019

AUTORIDADE / AUTHORITY
SR/DPF/MG

VÁLIDO ATÉ / DATE OF EXPIRY
06 FEV/FEB 2029

BRA

P<BRARODRIGUES<ALVES<<LAURA<REGINA<<<<<<<<<<
FY151637<4BRA8808095F2902061<<<<<<<<<<<<<<02

Menor de 12 anos de idade
Child under the age of 12

REPÚBLICA FEDERATIVA DO BRASIL

Assinatura do titular / Signature du titulaire /
Bearer's signature / Firma del titular

GN114977

Este passaporte deve ser assinado
pelo titular, salvo em caso de incapacidade.

Ce passeport doit être signé
par le titulaire, sauf en cas d'incapacité.

This passport must be signed,
except where the bearer is unable to do so.

Este pasaporte debe ser firmado
por el titular, salvo en caso de incapacidad.



PASSAPORTE
PASSPORT

REPÚBLICA FEDERATIVA DO BRASIL

TIPO / TYPE
P

PAÍS EMISSOR / ISSUING COUNTRY
BRA

PASSAPORTE Nº / PASSPORT NO
GN114977

SOBRENOME / SURNAME
ALVES CALDEIRA BRANT



NOME / GIVEN NAMES
HEITOR

NACIONALIDADE / NATIONALITY
BRASILEIRO(A)

DATA DO NASCIMENTO / DATE OF BIRTH
06 NOV/NOV 2024

CPF / PERSONAL NUMBER
011145836-69

SEXO / SEX
M

NATURALIDADE / PLACE OF BIRTH
BELO HORIZONTE/MG

FILIAÇÃO / FILIATION
LAURA REGINA RODRIGUES ALVES

NIKOLAS DUARTE CALDEIRA BRANT

O titular, enquanto menor, dependerá de autorização, na forma da lei, para viajar desacompanhado ou apenas com um dos pais, indistintamente.

DATA DE EXPEDIÇÃO / DATE OF ISSUE
05 DEZ/DEC 2025

AUTORIDADE / AUTHORITY
SR/PF/MG

VÁLIDO ATÉ / DATE OF EXPIRY
04 DEZ/DEC 2027

P<BRAALVES<CALDEIRA<BRANT<<HEITOR<<<<<<<<<<<
GN114977<0BRA2411060M2712044011145836 69<<<80

Menor de 12 anos de idade
Child under the age of 12

Assinatura do titular / Signature du titulaire /
Bearer's signature / Firma del titular

REPÚBLICA FEDERATIVA DO BRASIL

GN114976

Este passaporte deve ser assinado pelo titular, salvo em caso de incapacidade.

Ce passeport doit être signé par le titulaire, sauf en cas d'incapacité.

This passport must be signed, except where the bearer is unable to do so.

Este pasaporte debe ser firmado por el titular, salvo en caso de incapacidad.



REPÚBLICA FEDERATIVA DO BRASIL

PASSAPORTE
PASSPORT

TIPO / TYPE
P

PAÍS EMISSOR / ISSUING COUNTRY
BRA

PASSAPORTE / PASSPORT
GN114976

SOBRENOME / SURNAME
ALVES CALDEIRA BRANT

NOME / GIVEN NAMES
OLÍVIA

NACIONALIDADE / NATIONALITY
BRASILEIRO(A)

DATA DO NASCIMENTO / DATE OF BIRTH
04 SET/SEP 2022

CPF / PERSONAL NUMBER
193139996-41

SEXO / SEX
F

NATURALIDADE / PLACE OF BIRTH
BELO HORIZONTE/MG

FILIAÇÃO / FILIATION
LAURA REGINA RODRIGUES ALVES

NIKOLAS DUARTE CALDEIRA BRANT

O titular, enquanto menor, dependerá de autorização, na forma da lei, para viajar desacompanhado ou apenas com um dos pais, indistintamente.

DATA DE EXPEDIÇÃO / DATE OF ISSUE
05 DEZ/DEC 2025

AUTORIDADE / AUTHORITY
SR/PF/MG

VÁLIDO ATÉ / DATE OF EXPIRY
04 DEZ/DEC 2029





P<BRAALVES<CALDEIRA<BRANT<<OLIVIA<<<<<<<<<<<<

GN114976<7BRA2209047F2912040193139996 41<<<90

PASSAPORTE
PASSPORT

REPÚBLICA FEDERATIVA DO BRASIL

TIPO / *TYPE*
P

PAÍS EMISSOR / *ISSUING COUNTRY*
BRA

PASSAPORTE Nº / *PASSPORT No.*
GI123772



SOBRENOME / *SURNAME*
ALVES CALDEIRA BRANT



NOME / *GIVEN NAMES*
OLÍVIA

NACIONALIDADE / *NATIONALITY*
BRASILEIRO(A)

DATA DO NASCIMENTO / *DATE OF BIRTH*
04 SET/SEP 2022

CPF / *PERSONAL NUMBER*
193139996-41

SEXO / *SEX*
F

NATURALIDADE / *PLACE OF BIRTH*
BELO HORIZONTE/MG

FILIAÇÃO / *FILIATION*
LAURA REGINA RODRIGUES ALVES

NIKOLAS DUARTE CALDEIRA BRANT

O titular, enquanto menor, está autorizado pelos genitores, pelo prazo deste documento, a viajar apenas com um dos pais, indistintamente. Res. CNJ 131/11, Art. 13.

DATA DE EXPEDIÇÃO / *DATE OF ISSUE*
20 OUT/OCT 2023

AUTORIDADE / *AUTHORITY*
SR/PF/MG

VÁLIDO ATÉ / *DATE OF EXPIRY*
19 OUT/OCT 2025

P<BRAALVES<CALDEIRA<BRANT<<OLIVIA<<<<<<<<<<<<

GI123772<2BRA2209047F2510192193139996 41<<<94

UNITED STATES OF AMERICA

VISA



Issuing Post Name
RIO DE JANEIRO

Control Number
20233551080006

Surname
RODRIGUES ALVES

Given Name
LAURA REGINA

Visa Type /Class
R B1/B2

Passport Number
FY151637

Sex
F

Birth Date
09AUG1988

Nationality
BRZL

Entries
M

Issue Date
22DEC2023

Expiration Date
20DEC2033

0101

Annotation

T4688309

VNUSARODRIGUES<ALVES<<LAURA<REGINA<<<<<<<<<<

FY151637<4BRA8808095F3312201B3RDJ1QBZ7343256


UNITED STATES OF AMERICA
VISA
Issuing Post Name
SAO PAULO
Control Number
20261321290037
Surname
ALVES CALDEIRA BRANT
Given Name
HEITOR
Visa Type /Class
R
B1/B2
Passport Number
GN114977
Sex
M
Birth Date
06NOV2024
Nationality
BRZL
Entries
M
Issue Date
15MAY2026
Expiration Date
11MAY2036
Annotation
W4850490
VNUSAALVES<CALDEIRA<BRANT<<HEITOR<<<<<<<<<<<
GN114977<0BRA2411060M3605118B3SPL4DGYW352595


UNITED STATES OF AMERICA
VISA
Issuing Post Name
RIO DE JANEIRO
Surname
ALVES CALDEIRA BRANT
Given Name
OLIVIA
Passport Number
GI123772
Entries
M
Annotation
Sex
F
Control Number
20233551080007
Visa Type /Class
R B1/B2
Birth Date
04SEP2022
Nationality
BRZL
Issue Date
22DEC2023
Expiration Date
20DEC2033
0110
T4688310
**
VNUSAALVES<CALDEIRA<BRANT<<OLIVIA<<<<<<<<<<<<
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