

Jose Antonio Diaz, M.D. F.A.H.A.  
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## Research interest

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Dr. Diaz's research interests are reflected by his publication track-record:

- -Vascular Biology and Deep Vein Thrombosis
- -Vascular Biology, Cancer and Deep Vein Thrombosis
- -Immunology and Cardiac Transplantation
- -Biomarkers
- -Vascular Surgery
- -Translational Preclinical Models in Vascular Biology, including:  
Venous Thrombosis, Recurrent Venous Thrombosis, Abdominal Aortic Aneurysm, Cardiac Transplantation, Cancer in association with thrombosis.

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## Languages

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- English
- Spanish

(Dr. Diaz has Peer-reviewed publications in English and Spanish)

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## Editorial Position

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- **2016-present** [Phlebology Journal](#): Editorial Board.
- **2017-present** [Research and Practice in Thrombosis and Haemostasis](#): Editorial Board.
- **2020-present** [Journal of Vascular Surgery, Venous and Lymphatic Disorders](#): Editorial Board.
- **2020-present** [Journal of Vascular Surgery, Vascular Science](#): Editorial Board.



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## Boards Service

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- **2015** American Venous Forum Board of Directors.
- **2016** American Venous Forum Board of Directors.
- **2017** American Venous Forum Board of Directors.
- **2017** ISTH-SSC Board Member.
- **2018** American Venous Forum Board of Directors.
- **2018** ISTH-SSC Board Member.
- **2019** American Venous Forum Board of Directors.
- **2019** ISTH-SSC Board Member.
- **2020** American Venous Forum Foundation Board of Directors.



## Leadership

- **2013** Research Forum: Coordinator. Argentinian College of Venous and Lymphatic Surgery.
- **2013** American Venous Forum Research Committee Chair-elect.
- **2014** American Venous Forum Research Committee Chair.
- **2015** American Venous Forum Research Council Chair.
- **2015-2016** Co-Chair, SSC: Animal, Cellular and Molecular Models of Thrombosis. International Society on Thrombosis and Haemostasis (ISTH).
- **2015** Peripheral Vascular Disease-ATVB council: American Heart Association (AHA).
- **2016** American Venous Forum Research Council Chair.
- **2016** American Venous Forum, Day of Innovation and Science.
- **2017** American Venous Forum Research Council Chair.
- **2017** Chairman, SSC: Animal, Cellular and Molecular Models of Thrombosis. International Society on Thrombosis and Haemostasis (ISTH).
- **2017** Member of the Institutional Animal Care & Use Committee (IACUC) at the University of Michigan.
- **2017** American Venous Forum, Day of Innovation and Science.
- **2017** PVD-AHA Leadership Committee, Liaison American Venous Forum.
- **2018-2019** Member of the Institutional Animal Care & Use Committee (IACUC) at the University of Michigan.
- **2018** American Venous Forum: Day of Innovation and Science.
- **2018** Chairman, SSC: Animal, Cellular and Molecular Models of Thrombosis. International Society on Thrombosis and Haemostasis (ISTH).
- **2018** PVD-AHA Leadership Committee, Liaison American Venous Forum.
- **2019** Chairman, SSC: Animal, Cellular and Molecular Models of Thrombosis. International Society on Thrombosis and Haemostasis (ISTH).
- **2019** PVD-AHA Leadership Committee, Liaison American Venous Forum.
- **2019** American Venous Forum, Day of Innovation and Science - Co-Director.
- **2019**-AHA council: PVD-AHA National Science and Clinical Education Lifelong Learning (SCILL) Council,
- **2020**-AHA National Advisory Committee: ATVB-AHA National Vascular Health Advisory Committee.
- **2020**-Deputy-Chair Educational Committee – UIP.
- **2020**-AVF-Representative: Vascular Quality Initiative (VQI).
- **2020**- Co-Chair SSC: Animal, Cellular and Molecular Models of Thrombosis. International Society on Thrombosis and Haemostasis (ISTH).
- **2020** Member of the Vanderbilt Institutional Animal Care & Use Committee (IACUC).



## Honors and Awards

- **2011**-Work-Life Balance Award
- **2015**-Distinguished Fellow Member of the American Venous Forum - The first group of inaugural members.
- **2015**-American Heart Association's Council on Peripheral Vascular Disease: Robert W. Hobson, II, M.D., Early Career Investigator Award.
- **2016**-Willie Hobbs Moore Award: Aspire, Advance and Achieve Mentoring Award.
- **2016**-Argentinian College of Venous and Lymphatic Surgery Award: Best Research Work.
- **2016**-Honorary Member of the Argentinian College of Venous and Lymphatic Surgery.
- **2018**-Deep Vein Thrombosis Research Updates, University of Ferrara, Ferrara, Italy: Keynote Speaker.
- **2018**-ISTH, Workshop Program: Keynote Speaker.
- **2018**-Richard and Eleanor Towner Prize for Outstanding Ph.D. Research, as Co-Advisor.
- **2018**-Argentinian College of Venous and Lymphatic Surgery, 2018 Bi-annual Meeting: Keynote Speaker
- **2018**-Fellow of the American Heart Association.
- **2019**-ATVB Special Recognition Awardee in Thrombosis.

## Teaching and Education

- FCVC-SURF - Undergrad Summer Research - Blood Disorders and Thrombosis
- Union International of Phlebology – Deputy-Chair Educational Committee.

## Contributions to Science

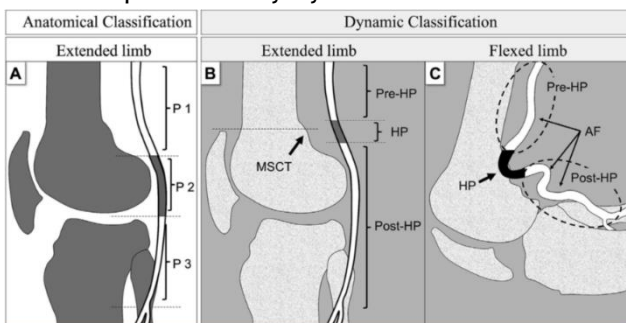
Dr. Diaz has been contributing to science since his first publication in 1995. He published in Spanish and English literature.

### Clinical Research

#### Flexions of the Popliteal Artery

Dr. Diaz studied the **Flexions of the Popliteal Artery** secondary to knee movements to better understand the mechanical impact of mobile arteries on endovascular devices.

#### Popliteal Artery Dynamic Classification



**Fig. A.** Anatomical classification of the popliteal artery (PA): P1, from the adductor hiatus to the superior border of the femoral condyle; P2, from the superior border of the femoral condyle to the joint line; P3, from the joint line to the bifurcation of the anterior tibial artery and tibioperoneal trunk (with extended limb). **B and C.** Dynamic classification of the PA. The main flexion, hinge point (HP), a pre-HP, and a post-HP. This classification introduced a dynamic concept but also is translatable to the anatomical classification by bone structures. AF, Accessory flexions; MSCCT, medial supracondylar tubercle of the femur.

Diaz, JA. J Vasc Surg. [2017 Mar;65\(3\):932-933.](#)

#### Literature from 2004 to 2020:

[2004: PMID: 15596876](#)

Flexions of the popliteal artery: dynamic angiography.

[2005: PMID: 16212467](#)

Dynamic anatomy of the popliteal artery: might culture affect the outcome of endovascular therapy?

[2005: PMID: 16275472](#)

Regarding: "Endovascular treatment of popliteal artery aneurysms: results of a prospective cohort study".

[2009: PMID: 18821189](#)

Stresses in peripheral arteries following stent placement: a finite element analysis.

[2011: PMID: 21972163](#)

Flexions of the popliteal artery: technical considerations of femoropopliteal stenting.

[2017: PMID: 28236937](#)

Regarding "Endovascular treatment of atherosclerotic popliteal artery disease based on dynamic angiography findings".

[2020: PMID: 32273915](#)

Flexions of the Popliteal Artery and the Culture Could Challenge the Outcomes of the Endovascular Procedures.

#### Circulating DNA – Netosis

2013: PMID: [24187669](#)

Plasma DNA is Elevated in Patients with Deep Vein Thrombosis.

### Pre-clinical models

Dr. Diaz led the development of the following pre-clinical models and its updates:

- **2011-2013-2018-Electrolytic IVC Model (EIM).**
- **2015-2018-The IVC Recurrent Venous Thrombosis Model.**
- **2014-2018-Cancer-associated thrombosis unified-model.**

## Webinars and Scientific Online Contributions during COVID19 pandemic

- 01/21/2020 **Invited Lecture:** vWINTER meeting in venous diseases: The Scientific Collaboration. Italy. International.
- 05/28/2020 **Invited Lecture:** Journal of Vascular Surgery-Vascular Science Webinar: How to be a Great Reviewer. Innagural Webinar. International.
- 05/30/2020 **Invited Commentarist:** Ecos of the AVF-2020. Comments on three talks. Argentinian College of Venous and Lymphatic Surgery. International (Argentina - Spanish).
- 06/24/2020 **Invited Moderator:** ISTH-SSC: Models in Thrombosis and Hemostasis Session. International Society on Thrombosis and Hemostasis. **International Virtual Meeting 2020.** International.
- 06/27/2020 **Invited Moderator:** Veltas, the venous and Lymphatic Triage and Acuity Scale. Argentinian College of Venous and Lymphatic Surgery. International (Argentina - Spanish).
- 07/11/2020 **Invited Moderator:** Vascular Surgery and Endovascular Surgery Society of Central America and Caribe (SOCIVECC): Covid in Latin-America. Argentinian College of Venous and Lymphatic Surgery. International (Argentina - Spanish).
- 07/25/2020 **Invited Lecture:** Statin and VTE: Concepts from the basic science. Argentinian College of Venous and Lymphatic Surgery. International (Argentina - Spanish).
- 08/01/2020 **Invited Lecture:**DVT from bench to bed. The Vein Symposium, **Virtual Meeting 2020**, USA. National.
- 08/14/2020 **Invited Lecture:** Research in Vascular Surgery. Colombian Asociation of Vascular Surgery and Angiology. International (Colombia - Spanish).
- 08/23/2020 **Invited Lecture:** Anticoagulation: Must Know. Basic Concepts. VENO-LINE Course. V-Win Foundation. International (Italy - English).
- 08/29/2020 **Invited Distinguish Commentarist** with Dr. Joseph Caprini: Covid19 and thrombosis. Sociedad Uruguaya de Flebologia y Linfologia. International (Uruguay - Spanish).
- 10/25/2020 **Invited Lecture:** First consensus in Preclinical Models of VT. 71<sup>ST</sup> AALAS National Meeting. **Virtual Meeting 2020**, USA. National.

## Other Links

- [Diaz Biography](#)
- [Diaz Selected Publications](#)
- [Science News - American Heart Association.](#)
- [Cancer and Deep Vein Thrombosis.](#)
- [Industry collaboration.](#)
- [Discovery: Consensus in Preclinical models of venous thrombosis.](#)
- [Diaz JA, et al \*Plasma DNA is Elevated in Patients with Deep Vein Thrombosis.\* J Vasc Surg: Venous and Lym Dis 2013;1\(4\):341-8. PMID: 24187669.](#) During the American Venous Forum in Feb 2019 was presented as the most cited article in the history of the Journal of Vascular Surgery: Venous and Lymphatic Disorders.