

**Jose Antonio Diaz, M.D. F.A.H.A.**  
Director of the Division of Surgical Research  
Surgical Sciences, Vanderbilt University Medical Center

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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 and Lectures in English and Spanish)

Pubmed (link): Diaz JA, <https://www.ncbi.nlm.nih.gov/myncbi/jose%20antonio.diaz,%20md.1/bibliography/public/>

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## Editorial Position

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- 2016-present *Phlebology Journal*: **Editorial Board**.
- 2017-2022 *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**.
- 2020-present *Journal of Vascular Surgery, Vascular Science*: **Associate Editor**.



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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.
- 2022 American Venous Forum Board of Directors.



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## Leadership

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- 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 Honorary Member of the Argentinian College of Venous and Lymphatic Surgery.
- 2018 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 Member of the Institutional Animal Care & Use Committee (IACUC) at the University of Michigan.
- 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 American Venous Forum, Day of Innovation and Science - Co-Director.
- 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 Institutional Animal Care & Use Committee (IACUC) at Vanderbilt University.
- 2021 American Venous Forum, Day of Innovation and Science - Co-Director.
- 2021 Exterior Honorary President of the Argentinian College of Venous and Lymphatic Disorders.
- 2021 The ST. Petersburg Phlebology Association Expert Council.
- 2022 American Venous Forum, Day of Innovation and Science - Co-Director.
- 2022 Chair on the PVD Scientific & Clinical Education Lifelong Learning Committee (SCILL), Council on Peripheral Vascular Disease.




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## Honors and Awards

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- 2011-Work-Life Balance Award.
- 2015-Distinguished Fellow Member of the American Venous Forum - **Inaugural member**.
- 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.
- 2018-ISTH Mexico Workshop, Mexico: Keynote Speaker.
- 2019- Deputy-Chair Educational Committee Member of the Union International of Phlebology.
- 2019-ATVB Special Recognition Awardee in Thrombosis.
- 2020- RPTH Editors's Award: "Update on the electrolytic IVC model for preclinical studies of venous thrombosis".
- 2021- Honorary Exterior President – Argentinian College of Venous and Lymphatic Surgery (**Inaugural Exterior President**).

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

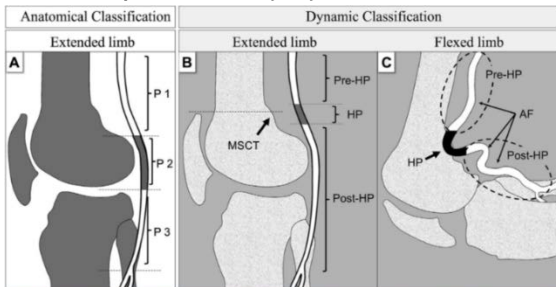
Dr. Diaz has been contributing to science since his first publication in 1995. He published in Spanish and English literature.

### 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; MSCT, 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.

### Preclinical models

Dr. Diaz led the development of the following preclinical 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.

Pubmed (link): Diaz JA: <https://www.ncbi.nlm.nih.gov/myncbi/jose%20antonio.diaz,%20md.1/bibliography/public/>

## Webinars and Scientific Online Contributions

(Including Activities during COVID19 Pandemic)

- 01/16/2020 **Invited Lecture:** [Surgical Research, Deep Vein Thrombosis, and Preclinical models. Vanderbilt University – VISE Lectures. National.](#)
- 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 Moderator/Comentarist** with Dr. Joseph Caprini: Covid19 and thrombosis. Sociedad Uruguaya de Flebologia y Linfologia. International (Uruguay - Spanish).
- 10/24/2020 **Invited Honorable Chair:** How To Write a Manuscript – Editors Perspective. Speaker Alun Davies, MD. Argentinian College of Venous and Lymphatic Surgery and Italian Hospital of Buenos Aires. International (Argentina - Spanish).
- 10/26/2020 **Invited Lecture:** First consensus in Preclinical Models of VT. 71<sup>ST</sup> AALAS National Meeting. **Virtual Meeting 2020, USA.** National (USA-English).
- 10/29/2020 **Invited Co-Moderator and Judge:** Jay D. Coffman Award Q&A. Sciemntific Sessions-American Heart Association. **Virtual Meeting 2020, USA.** National (English).
- 10/31/2020 **Invited Honorable Chair:** Drugs for Chronic Venous Insufficiency, Talk by Armando Mansiha, MD. Egypcian African Venous and Lymphatic Associaiton. **Virtual Meeting 2020, Egypt.** International (English).
- 11/07/2020 **Invited Honorable Chair** Update on anticoagulation during COVID times. Talk by Dr Ramacciotti . Argentinian College of Venous and Lymphatic Surgery. International (Argentina - Spanish).
- 11/20/2020 **Invited Lecture:** Perspectivas de la evolución del tratamiento con trombosis venosa. The Vein Symposium (Latin), **Virtual Meeting 2020, USA.** National (Spanish).
- 11/20/2020 **Invited Lecture:** Venous Thromboembolism – Best articles. The Vein Symposium (Latin), **Virtual Meeting 2020, USA.** National (Spanish).
- 11/28/2020 **Invited Lecture:** Endothelium changes during venous thrombosis. Advances in CompreHensivE Venous Education” (ACHIEVE). Virtual Meeting 2020. International (Italy - English).
- 12/11/2020 **Invited Lecture:** Educational Curriculum for Graduates Update - UIP Educational Commiittee. Argentinian Society of Phlebology. Virtual Meeting 2020. International (Argentina - Spanish).
- 04/15/2021 **Invited Lecture:** Statins & DVT. The Vein Symposium, **Virtual Meeting 2021, USA.** National (English).
- 04/21/2021 **Invited Panelist:** COVID-19 and immune-thrombosis. SAFyL, Buenos Aires, Argentina. International (Argentina - Spanish).

## Webinars and Scientific Online Contributions

(Continuation)

- 05/19/2021 **Moderator:** Journal of Vascular Surgery-Vascular Science Webinar. Second JVS-VS Webinar. *International (English).*
- 06/24/2021 **Invited Faculty** - 4x4: Driving Venous-Lymphatic Evidence-Based Practice Forward. **Virtual Meeting 2021.** *International (English).*
- 07/31/2021 **Invited Lecture** - Puede la ciencia básica mejorar la selección de pacientes para la terapéutica fibrinolítica en trombosis venosa profunda? Foro Venoso Mexicano. **Virtual Meeting 2021.** *International (Spanish).*
- 09/25/2021 **Invited Moderator** - Net Clinical Benefit (NCB) in Phlebo-Lymphology. **Virtual Meeting 2021.** *International (Spanish).*
- 09/26/2021 **Invited Keynote Lecture** – New Curriculum for Phlebo-Lymphology Training. **Virtual Meeting 2021.** *International (Spanish).*
- 09/26/2021 **Invited Lecture** – Can the basic science help to improve the patient selection for fibrinolytic therapy on DVT?. Foro Venoso LatinoAmericano. **Virtual Meeting 2021.** *International (Spanish).*
- 09/26/2021 **Invited Moderator** - 9th international interuniversity meeting in Phlebology, Lymphology and Aesthetics. North-America Session. **Virtual Meeting 2021.** *International (Spanish).*
- 09/26/2021 **Invited Lecture** – Venous thrombosis and sclerotherapy. Argentinian College of Venous and Lymphatic Surgery. **Virtual Meeting 2021.** *International (Spanish).*
- 09/27/2021 **Invited Moderator** - 9th international interuniversity meeting in Phlebology, Lymphology and Aesthetics. EUR-AFRICAN Session. *International (Spanish).*
- 09/27/2021 **Invited Lecture** – Statins and Thrombosis: Evidence from the Basic Science. Session: Venous Thrombosis from Basic Science to Clinic. **Virtual Meeting 2021.** *International (Spanish).*
- 12/18/2021 **Invited Lecture** – Inflammation and Thrombosis: Evidence from the Basic Science. Session: Venous Thrombosis. **Virtual Meeting 2021.** *International (English).*
- 03/07/2022 **Taking to the Community:** [How do the blood clots form? Invited by Dr. Joseph Caprini.](#) National.

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### Other Links

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- [Diaz Biography](#)
- [Diaz Selected Publications](#)
- [DVT for the community. Hosted by Dr. Caprini](#)
- [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, Feb 2019, was presented as the most cited article in the Journal of Vascular Surgery Venous and Lymphatic Disorders history.

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