



American Venous Forum
Promoting venous and lymphatic health

FEBRUARY 2021
VEINFORUM.ORG

VEIN SPECIALIST

NEWSLETTER

VENOUS 2021

AMERICAN VENOUS FORUM



**SPECIAL
ANNUAL
MEETING
ISSUE**

REGISTER NOW



VENOUS 2021

AMERICAN VENOUS FORUM

VIRTUAL MEETING
MARCH 17-20, 2021



Educate



Collaborate



Innovate



Celebrate

ON DEMAND

FULL AGENDA AND CME AVAILABLE FOR 60 DAYS

LEARN MORE

veinforum.org



[@VeinForum](https://twitter.com/VeinForum)



[@americanvenousforum](https://facebook.com/americanvenousforum)



[american-venous-forum](https://linkedin.com/company/american-venous-forum)

When Prescribing Medical-Grade Compression, Education Matters

– Annerose Zorn West – CEO, Juzo and Tom Musone- Director of Marketing, Juzo

The recent popularity of over-the-counter (OTC) or consumer compression products is creating confusion among patients with prescriptions for compression garments. This can negatively affect their treatment and outcome. Education is important.

OTC compression garments are not the same as medical (RX) compression garments. While they are great for mild support, they can be dangerous for patients with circulatory or lymphatic medical conditions. Why? OTC products may not offer the appropriate compression dosage or containment – and may not be the correct size or style.

OTC compression products are more about fashion over function. Medical efficacy comes from the optimal combination of pressure and stiffness. The stiffness of the garment is the amount of resistance a garment offers to counteract the effects of edema. In some instances, garments with a higher level of containment use certain knitting techniques, which make the product denser and less elastic. Quality medical compression garment companies provide a variety of products that function with varying levels of working and resting pressure.

Medical compression is graduated with the strongest pressure at the distal end of the limb. The key to controlling compression is an additional inlay thread that is knitted into the garment. A graduated compression garment must be carefully designed to ensure proper graduation and dosage within the stated fit guidelines and compression ranges. OTC compression products use broader, less precise sizing. Those manufacturers are often trying to fit the entire consumer population in two to four sizes. Compression socks that are not correctly sized can cause constriction or tourniquet effects. They can even reverse graduation for certain limb shapes, provide a less than desired dosage, or a product that slides down on the leg, failing to support the calf muscle or provide the desired therapeutic efficacy.

FDA-registered companies that produce products following FDA good manufacturing guidelines or ISO 13485 or 9001 standards, manufacture quality, medical-grade compression garments. These companies have in-house compression testing and validation to ensure products are medically effective. One example is Juzo Soft Stockings which deliver the softest relief for legs. Their smooth, supple texture comforts, and energizes legs, with innovative features. Another is Juzo Dynamic Stockings with a high degree of containment. They deliver firm therapeutic compression for the management of Edema, Lymphedema and advanced Venous Disease.



– Annerose Zorn West
CEO, Juzo

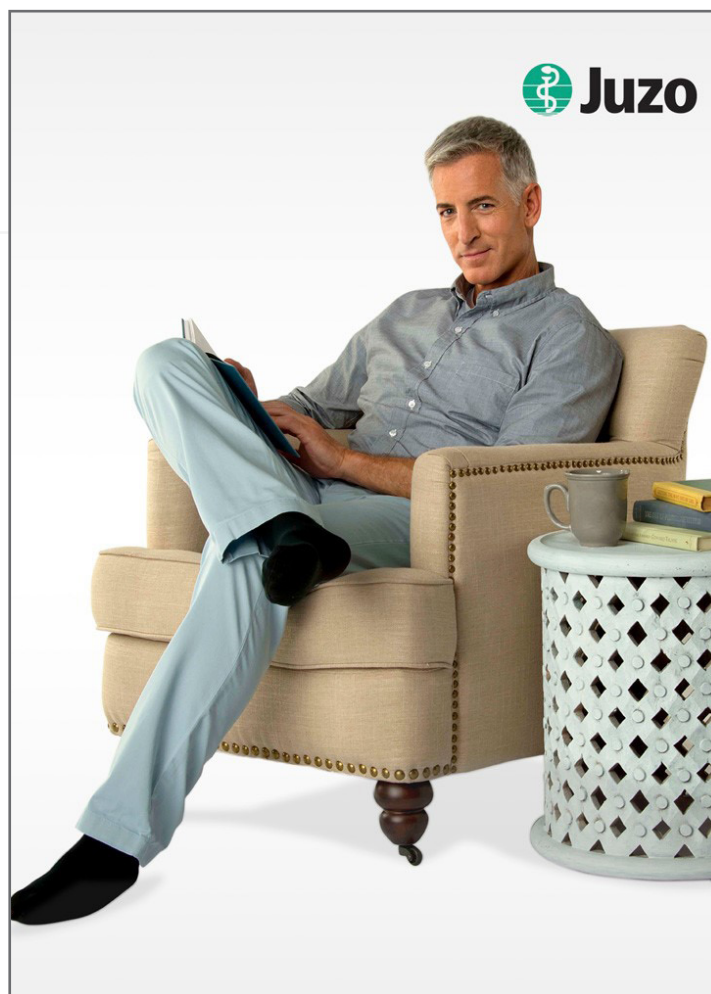


– Tom Musone
Director of Marketing, Juzo



Patients who need medically efficacious compression therapy often have co-morbidities, such as obesity or edema, that require a more precise fit to guarantee the correct dosage. Shoe sizing or a simple calf measurement may work for a small subset of normal, healthy or athletic legs, but their overall lack of precision may end up causing more harm than good for your patient.

Help guide patients to look for a quality medical compression garment that is tested and that adheres to the highest standards providing comfort, style, durability and therapeutic effectiveness. Quality compression garments are easier to put on and take off and are machine washable. A well-fitting, comfortable and effective garment will also improve compliance. By helping to educate your patients on why quality matters, you'll help improve their treatment outcomes!



American Venous Forum
Promoting venous and lymphatic health

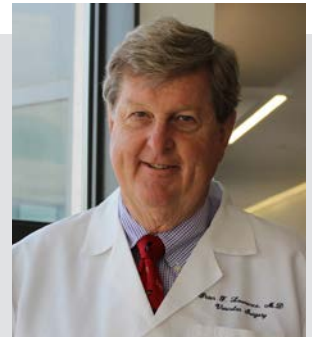
JVS-VL Continues to Thrive, with Record Submissions from 40 Countries

– Peter Lawrence, MD and Peter Gloviczki, MD

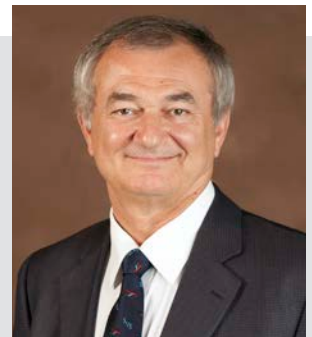
The *Journal of Vascular Surgery: Venous and Lymphatic Disorders (JVS-VL)*, our collaborative Journal between the AVF and SVS, continues to thrive and progress. We recently provided a report to the SVS of the JVS journals' progress, and also want to make AVF members aware of the many changes in the *JVS-VL* that address issues related to COVID-19 and the desire of venous specialists to have their journal more fully represent the society membership as well as their patients. Here are excerpts from that report that are particularly relevant to the AVF and its membership.

Separate Submission Websites. Since September 2019, each Journal has been on a dedicated submission and peer review site, which allows us to report on metrics for each journal. This is the last year in which some statistics are combined for all JVS journals.

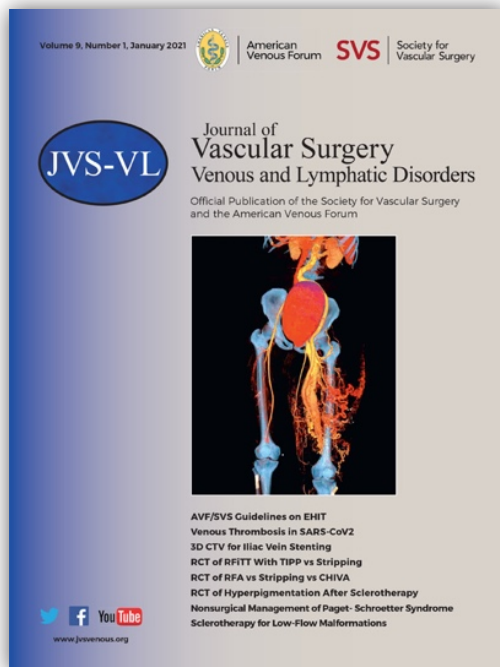
The *JVS-VL* is in its 9th year of publication. Six issues are published online and in print each year. The *JVS-VL* (the blue journal) is a subscription Journal with an open access option. The site www.jvsvenous.org receives an average of 6,915 visits per month. The Impact Factor was 2.969 in 2018, in 2019 it increased to 3.137.



– Peter Lawrence, MD



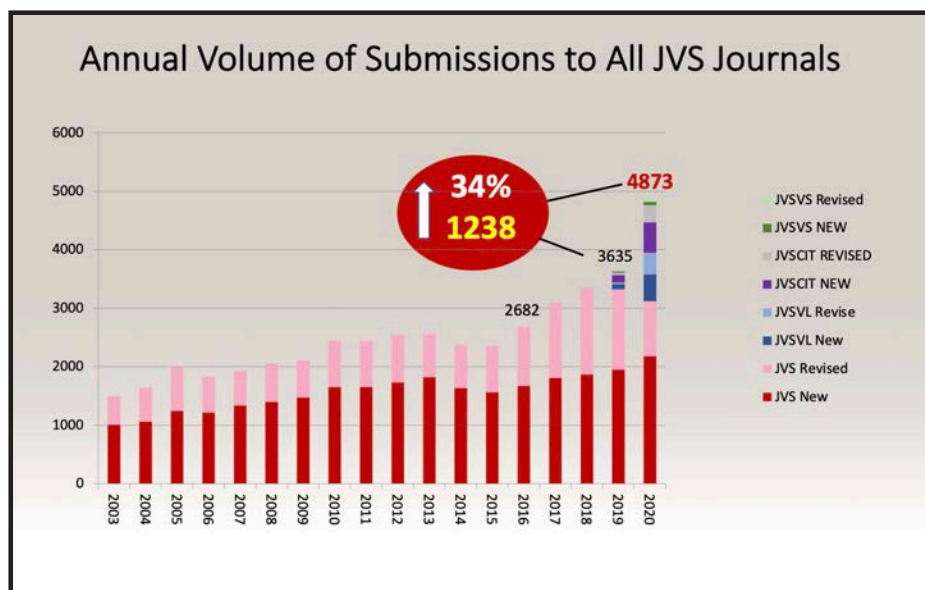
– Peter Gloviczki, MD



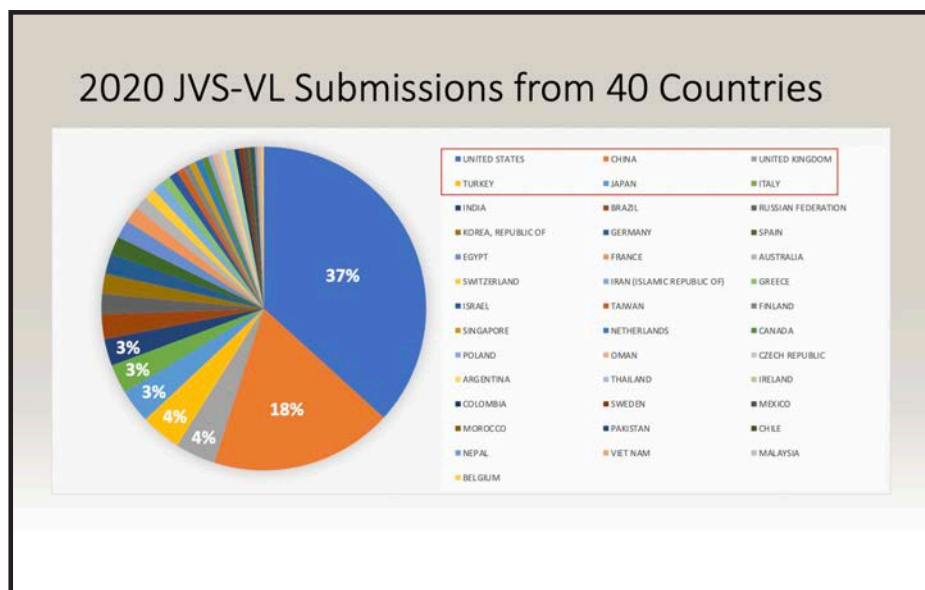
American Venous Forum
Promoting venous and lymphatic health

SUBMISSIONS

In 2020, the JVS journals received a record of 4,873 new and revised submissions. The largest increase/year occurred in 2020, 34% (1238). In 2020, JVS VL received a record 460 new manuscript submissions.

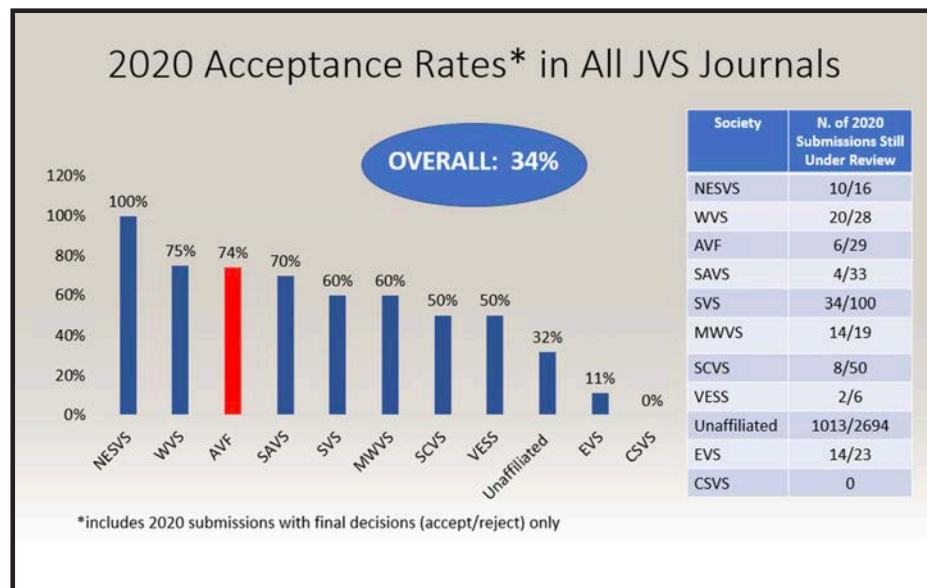


In 2020, JVS-VL received papers from 40 countries; around 40% of the submissions are from the United States, followed by China, Japan, United Kingdom, Italy, and France.



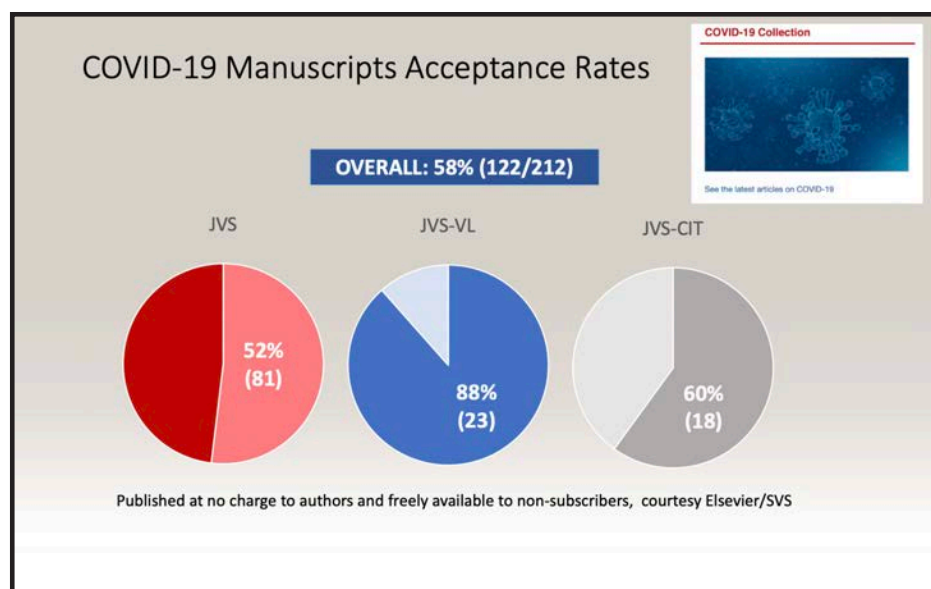
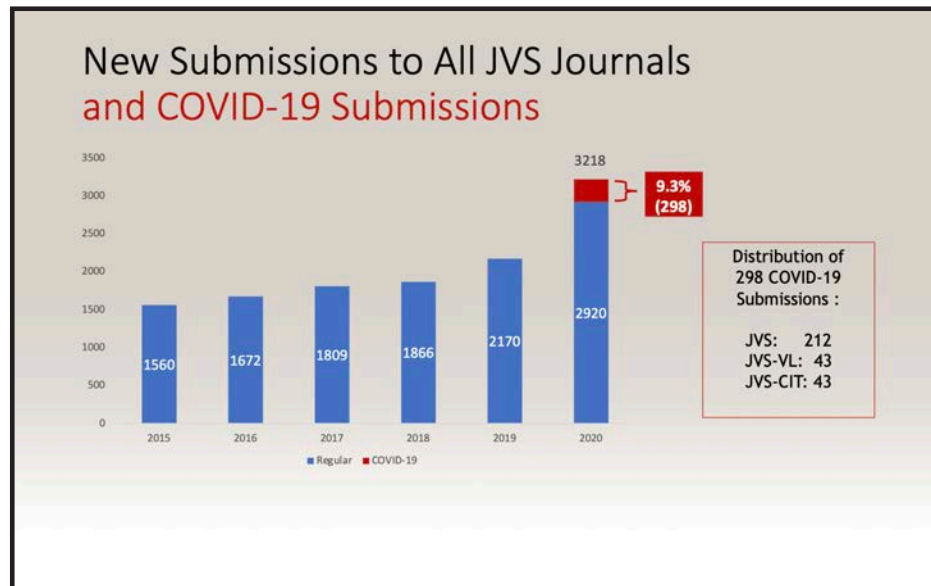
MANUSCRIPT ACCEPTANCE RATE *continued*

The figures below show acceptance rates of submissions from all societies and of the unaffiliated submissions. The AVF did exceptionally well, ranking 3rd among the vascular societies, with a 74% acceptance rate.



MANUSCRIPT ACCEPTANCE RATE *continued*

We also received a large number of submissions dealing with the COVID-19 virus and vascular disease. The topic of 9.3% of the new submissions in all JVS papers was COVID-19. Our COVID-19 collection now includes 122 accepted manuscripts. Surprisingly, these papers have been referenced as frequently as many of the other JVS-VL papers.



MANUSCRIPT ACCEPTANCE RATE *continued*

Acceptance of JVS-VL articles has become more competitive as reviewers have been encouraged to increase scrutiny and standards of submitted papers, with the goal of selecting the highest quality papers and improving the Impact Factor of the journal.

2020 JVS-VL Acceptance Rates

Overall: 57%

Article Type	Total Submissions	Acceptance Rate %
Clinical Research	270	57
Letter to the Editor	33	81
Review	33	71
Case Report	33	35
Basic or Translational Research	20	35
Venous Image	13	36
Special Article	13	42
Innovative Technique	9	0
Commentary	4	100

DIVERSITY, EQUITY AND INCLUSION (DEI)

In 2020, the JVS-VL made an intense effort to address issues related to diversity. We made major changes in the composition of the Editorial Board and the peer review system of the JVS-VL. We appointed Ulka Sachdev-Ost as an Associate Editor with a focus on DEI in all JVS Journals. We increased the number of women and underrepresented minorities to 37% in the JVS-VL Editorial Board. We joined JAMA's Call to Action for diversity in peer review, and the JVS-VL editors and staff participated in DEI educational programs.

SOCIAL MEDIA AND PODCAST

JVS-VL has increasing presence on many social media platforms, thanks to our social media Editors, Paul DiMuzio and Daniel Han. In 2020, we had 16,215 followers on LinkedIn, 4,194 on Facebook and 6,043 on Twitter. Many more listened to our papers through the Audible Bleeding podcasts. Dr. Han produces the Visual Abstracts for each issue of the JVS-VL.

We express our appreciation to the AVF for its support of the JVS-VL, as we continue to provide the best papers from around the world on venous disease investigation and management.



American Venous Forum
Promoting venous and lymphatic health

AVF Member *Community*



Anil Hingorani interviewing AVF President,
Harold Welch on his vision for the AVF.



– Anil Hingorani



– Harold Welch, MD

New AVF Members – **Welcome to the Community!**

Pramod Kariyanna New York - U.S.
Chandrika Lotwala Arizona - U.S.
Ali Baghaie Texas - U.S.
Allison Bailey Connecticut - U.S.
Rachelle Ramirez Arizona - U.S.
Julio Ramos New York - U.S.
Kathleen Hibler California - U.S.
Vishnu Chandra Virginia - U.S.
Christopher Yeisley New York - U.S.

Jordan Pollack Tel Aviv, Israel
Aljabriyah Alfutais Riyadh, Saudi Arabia
Yuji Hoshino Fukuoka-shi, Japan
Raffi Krikorian Missouri - U.S.
Julie Lahiri Vermont - U.S.
Natalie Sridharan Pennsylvania - U.S.
Paul Corcoran Michigan - U.S.
Gloria Salazar Massachusetts - U.S.



American Venous Forum
Promoting venous and lymphatic health

The 2021 AVF Day of Science **VIRTUAL**

– Jose Diaz, MD, and Fedor Lurie, MD

For the sixth consecutive year, the Day of Science will be featured during the AVF 33rd Annual Meeting. This highly informative, educational, all-inclusive forum is designed to identify current research priorities in venous and lymphatic diseases while also providing an educational component. This half day-long forum will occur on March 17th, 2021 featuring valuable sessions, divided in five modules, with 10-minute talks. Each module will close with an interactive structured Q/A discussion among the panelists and attendees.

THE FIVE MODULES INCLUDE:

- ✓ **Basic Science Abstracts:** we will have four outstanding cutting-edge basic science presentations with international representation.
- ✓ **Lessons Learned from the Pandemic:** we know how much the pandemic affects all of us, but what can we learn from it? Is telemedicine becoming the new normal? VTE and COVID-19 infection: new questions or all the same but worse? COVID-19 induces thrombosis in veins and arteries, but what about the lymphatic system?
- ✓ **Latest innovation and Venous Research Priorities:** Industry and non-industry representatives will update us on the new technology in vein valve devices, current challenges in venous stenting, new horizons in thrombus removal devices and a presentation on the VTE research priorities—a scientific statement from the AHA and ISTH endorsed by the AVF.
- ✓ **The Scientific Communication on Venous and Lymphatic Diseases:** how to write a manuscript, how to be a great reviewer and the new JVS early career reviewer program.
- ✓ **Clinical Trials:** designing & analyzing. Building hypothesis, determining sample size for a study, the value of industry and understanding the review process. The NIH view will be addressed by the NHLBI director.



– Jose Diaz, MD



– Fedor Lurie, MD

"Education and Scientific Writing in Venous and Lymphatic Disease."

Through participation in the Day of Science, the representatives of different sectors will address the state of the field, discuss next steps for closing knowledge gaps, share their knowledge on how to build and conduct a clinical trial, how to communicate scientific knowledge in the field, and ultimately identify what is needed to improve medical treatment of patients with venous and lymphatic disease.

The 2021 program subject this coming year is: "Education and scientific writing in venous and lymphatic disease" and will include a Continuing Medical Education (CME) session with abstract presentations. Through the Day of Science, we are developing an open discussion platform within the American Venous Forum and invite all parties of the health system to participate. The future depends on what we learn from yesterday, and what we do today.



American Venous Forum
Promoting venous and lymphatic health



DAY OF SCIENCE

WEDNESDAY, MARCH 17, 2021 (EDT/UTC-4)

9:30 am – 9:48 am	LIVE NETWORKING: Morning Coffee Connection - Come See New and Old Friends
9:50 am	President's Welcome <i>Harold Welch</i>
10:00 am – 11:10 am	Scientific Session 1 - COVID-19 and Venous Disease <i>Moderators: Harold Welch, Kathleen Ozsvath</i>
10:00 am	Introduction
10:01 am	(AVF5) COVID-19 Pandemic: Can We Adapt a System-wide Warfarin Monitoring Program and Maintain Safety <i>Kirolus Sourial, Theresa Kearns, Teresa Carman</i> <i>University Hospitals Cleveland Medical Center, Cleveland, OH, USA</i>
10:07 am	(AVF6) Sulodexide in the Treatment of Early Stages of COVID-19 <i>Alejandro Gonzalez-Ochoa^{1,2}, Ana Hernandez², Joseph Raffetto³</i> <i>¹Instituto Mexicano Seguro social HGZ#12, San Luis R.C, Mexico, ²Clinedem, San Luis R.C, Mexico, ³Boston University, School Medicine, Boston, MA, USA</i>
10:13 am	(AVF7) Higher Incidence Of Deep Venous Thrombosis and Pulmonary Emboli Among Coronavirus Disease 2019 (COVID-19) Positive Patients: A Multi-Site Healthcare System Experience <i>Camila Franco Mesa¹, Young Erben¹, Michelle Lin¹, Andrew Meltzer², Melanie Greenway¹, Osman Hamid¹, Zlatko Devic¹, Beau Toskich¹, Houssam Farres¹, Manju Kalra³, Thomas Bower³, Randall De Martino³, Jason Siegel¹, Albert Hakaim¹, Devang Sanghavi¹, Yupeng Li⁴, Candido Rivera¹, Pablo Moreno-Franco¹, Josephine Huang¹, James Meschia¹</i> <i>¹Mayo Clinic Florida, Jacksonville, FL, USA, ²Mayo Clinic, Phoenix, AZ, USA, ³Mayo Clinic Minnesota, Rochester, MN, USA, ⁴Rowan University, Glassboro, NJ, USA</i>
10:19 am	(AVF8) COVID-19 and the Vascular Lab: Decreasing Exposure Risk <i>Steve Elias, Sam Elias</i> <i>Englewood Health Network, Englewood, NJ, USA</i>
10:25 am	(AVF9) COVID-19 Patient Presenting with Symptomatic Iliocaval Thrombus: A Case Report <i>Clinton Timmerman^{1,2}, Arthelma Tyson¹</i> <i>¹Atlanticare Regional Medical Center, Atlantic City, NJ, USA, ²RowanSOM, Stratford, NJ, USA</i>
10:31 am	LIVE Q&A
10:40 am	(AVF10) INVITED SPEAKER Thrombosis in the COVID-19 Population: Acute and Extended Risk <i>Geno Merli, Jefferson University</i>
11:00 am	LIVE Q&A
11:10 am – 11:15 am	BREAK
11:15 am – 11:45 am	Industry Symposia sponsored by Sigvaris, Inc.



DAY OF SCIENCE

WEDNESDAY, MARCH 17, 2021 (EDT/UTC-4) *continued*

11:15 am – 11:55 am	Basic Science Abstracts <i>Moderators: Jose Diaz, Kathleen Ozsvath, Fedor Lurie</i>
11:15 am	Introduction
11:17 am	(AVF1) First Experience Of Using Russian Sulfacrylate Glue Clinical and Morphological Study (In Vivo) Evgeny Shaydakov, II¹ , Vladimir Sannikov, III ² , Vladimir Emelynenko, III ³ , Tatyana Tolstikova, II ³ ¹ Peter State University, Petrozavodsk, Russian Federation, ² Medical Center "Palitra", Vladimir, Russian Federation, ³ Novosibirsk Institute of Organic chemistry, Novosibirsk, Russian Federation
11:23 am	(AVF2) Genetic Factors Leading to Recurrent Varicose Veins after Surgical Treatment Mariya Smetanina^{1,2} , Valeria Korolenya ^{1,2} , Nikita Ershov ³ , Magomed Arslanbekov ⁴ , Igor Zolotukhin ⁴ , Maxim Filipenko ^{1,2} ¹ Institute of Chemical Biology and Fundamental Medicine, Novosibirsk, Russian Federation, ² Novosibirsk State University, Novosibirsk, Russian Federation, ³ Institute of Cytology and Genetics, Novosibirsk, Russian Federation, ⁴ Pirogov Russian National Research Medical University, Moscow, Russian Federation
11:29 am	(AVF3) The Importance of Hemodynamic Pressure for the Progression of Venous Insufficiency. Lessons from Physical Analysis of Veins and Waterfalls Chris Ragg Angioclinic Vein Centers Germany, Berlin, Germany
11:35 am	(AVF4) Interval Results of Totally Percutaneous Approach for Creation of Large Animal Long Segment Iliac Deep Venous Thrombosis Andrea Obi¹ , David Williams ¹ , Veronica Dunivant ¹ , Laura Durham ¹ , Andrea Poli ¹ , Nathan Weidenhamer ² , Patrick Lester ¹ , Thomas Wakefield ¹ , Daniel Myers ¹ ¹ University of Michigan, Ann Arbor, MI, USA, ² Medtronic, Minneapolis, MN, USA
11:41 am	LIVE Q&A
11:55 am – 12:00 pm	BREAK
12:00 pm – 12:45 pm	COVID-19 Lessons Learned from the Pandemic <i>Moderators: Fedor Lurie, Elna Masuda, Jose Diaz</i>
12:00 pm	TELEMEDICINE: The New Normal Ruth Bush
12:10 pm	COVID-19 and VTE: New Questions or All the Same But Worse? Joseph Caprini
12:20 pm	Did COVID-19 Affect the Lymphatic System? Stanley Rockson
12:30 pm	LIVE Q&A
12:45 am – 12:50 pm	BREAK



DAY OF SCIENCE

WEDNESDAY, MARCH 17, 2021 (EDT/UTC-4) *continued*

12:50 pm – 1:45 pm	Latest Innovations in the Treatment of Venous Disease and VTE Research Priorities <i>Moderators: Joe Diaz, Ellen Dillavou, Fedor Lurie</i>
12:50 pm	Vein Valve Development – What are the Current Challenges? <i>Steve Elias</i>
1:00 pm	Venous Stenting What is Next in Development and Improvement What are the Current Challenges <i>TBD</i>
1:10 pm	Thrombus Removal Devices – What are the Current Challenges? <i>Thomas Tu</i>
1:20 pm	Venous Thromboembolism Research Priorities: A Scientific Statement from the AHA and the ISTH <i>Geoff Barnes</i>
1:30 pm	LIVE Q&A
1:45 pm – 1:50 pm	BREAK
1:50 pm – 2:35 pm	Writing and Reviewing a Scientific Manuscript - JVS <i>Moderators: Jose Diaz, Ulka Sachdev-Ost</i>
1:50 pm	How to Write a Scientific Manuscript <i>Alan Dardik</i>
2:00 pm	How to Be a Great Reviewer <i>Ulf Hedin</i>
2:10 pm	JVS – Early Career Reviewer Program <i>Ulka Sachdev-Ost</i>
2:20 pm	LIVE Q&A
2:35 pm – 2:40 pm	BREAK
2:40 pm – 3:40 pm	Clinical Trials Design - Results - Conclusion: Day of Science + Research Committee <i>Moderators: Fedor Lurie, Jose Diaz, Maxim Shaydakov</i>
2:40 pm	How to Do It: Hypothesis and Challenges <i>Suresh Vedantham</i>
2:50 pm	Sample Size and Statistics <i>Sameer Parpia</i>
3:00 pm	The Value of Industry: The Good Guys or the Bad Guys in Clinical Trials <i>Mark Garcia</i>
3:10 pm	Understanding the Review Process. The NIH Vision <i>Andrei Kindzelski</i>
3:20 pm	LIVE Q&A
3:35 pm	LIVE Final Remarks: Fedor Lurie, Jose Diaz



DAY OF SCIENCE

WEDNESDAY, MARCH 17, 2021

- 11:15 am – 11:45 am Industry Symposia sponsored by Sigvaris, Inc.
1:50 pm – 2:20 pm Industry Symposia sponsored by Cook Medical

THURSDAY, MARCH 18, 2021

- 12:40 pm – 1:10 pm Industry Symposia sponsored by Boston Scientific
2:50 pm – 3:20 pm Industry Symposia sponsored by BD

FRIDAY, MARCH 19, 2021

- 11:45 am – 12:15 pm Industry Symposia sponsored by Medtronic
3:00 pm – 3:30 pm Industry Symposia sponsored by Boston Scientific

SATURDAY, MARCH 20, 2021

- 12:10 pm – 12:40 pm Industry Symposia sponsored by Inari Medical

VENOUS 2021

AMERICAN VENOUS FORUM

MARCH 17 - 20, 2021

BY THE NUMBERS

60
DAYS

ON-DEMAND ACCESS

Recorded Sessions, CME, Symposia, Exhibit Hall and Conference Functionalities

59

ABSTRACT PRESENTATIONS

Groundbreaking Research from Around the Globe

18

POSTER PRESENTATIONS

Pre-Recorded for Viewing Anytime

16

AMA PRA CATEGORY 1

Enduring Credits Available

8

SCIENTIFIC SESSIONS

COVID-19, Late-Breaking Trials, Deep and Superficial Venous Disease, Lymphedema & Contemporary Venous Care, and VTE

7

INDUSTRY SYMPOSIA

Featuring Latest Technologies and Clinical Data

4
DAYS

LIVE EDUCATIONAL CONTENT

World's Leading Experts in Venous and Lymphatic Disease

4

FEATURED EDUCATIONAL SESSIONS

Presidential, Sumner, Villavicencio, and International

4

COLLABORATIVE SESSIONS

EVF, SVM, SVS/VQI, and AVLS

2

KEYNOTE SPEAKERS

Strandness Lecture - Professor Andrew Bradbury COVID-19 - Dr. Geno Merli

1

GALA CELEBRATION

"Remember The Alamo" Drinks, Dress & Drama

Venous2021.org

LEARN
MORE

REGISTER
NOW

WEDNESDAY, MARCH 17, 2021, 11:15-11:45AM - SIGVARIS

Overview of Lymphatic Surgery: How to Get Started with Supermicrosurgery

Dr. Wei F. Chen, MD, FACS

Dr. Chen will explore methods of surgical intervention for lymphedema patients including regional reconstructive microsurgery and supermicrosurgery.

SIGVARIS

WEDNESDAY, MARCH 17, 2021, 1:50-2:20PM – COOK MEDICAL

Silver Vena; Durable Symptom Relief with a Conformable Venous Indicated Stent

Dr. Steven Elias, MD and Dr. Robert Mendes, MD, FACS

Join Cook for a sponsored symposium at American Venous Forum. Doctors Mendes and Elias will participate in a data presentation as well as case reviews, followed by Q&A session with the audience.



THURSDAY, MARCH 18, 2021, 12:40-1:10PM – BOSTON SCIENTIFIC

Enhancing Your Toolkit with Novel Technologies for Complex Venous Procedures - A Case Based Discussion

Dr. Michael Jaff, with additional faculty members Dr. Kush Desai and Dr. David Dexter.

The AVF audience can learn more about new venous technologies from Boston Scientific that can address some of the challenging scenarios they face when treating their patients with thrombotic and obstructive venous disease.



THURSDAY, MARCH 18, 2021, 2:50-3:20PM - BD

Real-World Clinical Strategies with the Venovo™ Venous Stent and Highlights from the VERNACULAR Study

Dr. Lowell Kabnick and Dr. Patrick Muck

Learn about the Venovo™ Venous Stent system, key features, tips and tricks, case review, and VERNACULAR clinical data.



FRIDAY, MARCH 19, 2021, 11:45AM-12:15PM - MEDTRONIC

Venous Leg Ulcers: A Clinical Challenge Featuring New Data

Dr. Misaki Kiguchi (MedStar Washington Hospital Center, Washington, D.C.) and Dr. Leigh Ann O'Banion (UCSF, Fresno, CA)



FRIDAY, MARCH 19, 2021, 3:00-3:30PM – BOSTON SCIENTIFIC

Varithena and My Practice

Parmjit "Romi" Chopra, MD

Dr. Chopra will walk through a case and how Varithena fits in his practice. He will discuss where he uses it, why, and how his patients are reacting to Varithena.



SATURDAY, MARCH 20, 2021, 12:10-12:40PM – INARI MEDICAL

Lighting the Way for Optimal VTE Treatment - Late Breaking FLASH and CLOUT data and starting FLAME enrollment

Thomas Tu, Venkat Tummala, Wissam Jaber and Steven Abramowitz

30-day outcomes of CLOUT Chronic sub-analysis and intermediate and high-risk cut of FLASH data along with the official start of the FLAME registry.



Sharing Venous Excellence In The World

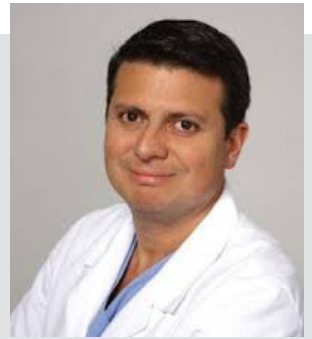
– Jorge Ulloa, MD and Lowell Kabnick, MD

This year's international session of the American Venous Forum, titled "Sharing Venous Excellence In The World," will be held virtually due to conditions known to all. The goal of this international session is to allow researchers under the age of 40 from different countries across the globe, the opportunity to formally present their works for the first time in a virtual public forum, sharing with their colleagues the wide arsenal of technical and conceptual advances that have been discovered in the last year.

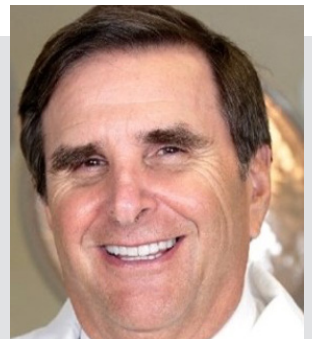
We have faced a logistical challenge, not only within the AVF, but also worldwide within all scientific societies, of being able to keep academically current and continuing to fraternize and socialize in the same way as in previous years. The challenge of hosting traditional live meetings as is customary in the present day has caused most of us to consider alternatives. The pandemic, travel costs, and a host of other factors that prevent or impede travel require those of us who organize these events to arrange safer alternatives to the customary in-person meeting to allow the presentation of knowledge to be widely shared and not be limited locally to a predetermined geography. Thus, the birth and continuance of virtual or hybrid meetings now and in the future is one way to hold on to the tradition of an in-person meeting while ensuring that all participants feel safe and comfortable in joining.

This year, the International Committee of the American Venous Forum will initiate a virtual stage to facilitate the scientific dissemination of young researchers. The presented abstracts will be judged and ranked, and awards from the AVF Foundation will be given to the best research. The international session will be chaired by Drs. Lowell Kabnick and Jorge Ulloa, and will include presentations on changes in transmural tension of the veins, role of platelets in venous stents, analysis of the different designs of stents, hybrid approach for the saphenous laser, serious complications of sclerotherapy, analysis of the risk tables for thrombosis in surgical patients, methods of valve restoration mitochondrial analysis in varicose veins, and cost studies in post-thrombotic syndrome. Canada, Colombia, Germany, Poland, Russia, and United Kingdom are the countries that will be represented in this dynamic session.

Come join us and enjoy one of the most important events within the AVF program.



– Jorge Ulloa, MD



– Lowell Kabnick, MD



American Venous Forum
Promoting venous and lymphatic health



ANNUAL MEETING

WEDNESDAY, MARCH 17, 2021 (EDT/UTC-4)

9:30am – 9:48am	LIVE NETWORKING: Morning Coffee Connection - Come See New and Old Friends
9:50 am	President's Welcome <i>Harold Welch</i>
10:00 am – 11:10 am	Scientific Session 1 - COVID-19 and Venous Disease <i>Moderators: Harold Welch, Kathleen Ozsvath</i>
10:00 am	Introduction
10:01 am	(AVF5) COVID-19 Pandemic: Can We Adapt a System-wide Warfarin Monitoring Program and Maintain Safety <i>Kirolus Sourial, Theresa Kearns, Teresa Carman</i> <i>University Hospitals Cleveland Medical Center, Cleveland, OH, USA</i>
10:07 am	(AVF6) Sulodexide in the Treatment of Early Stages of COVID-19 <i>Alejandro Gonzalez-Ochoa^{1,2}, Ana Hernandez², Joseph Raffetto³</i> <i>¹Instituto Mexicano Seguro social HGZ#12, San Luis R.C, Mexico, ²Clinedem, San Luis R.C, Mexico, ³Boston University, School Medicine, Boston, MA, USA</i>
10:13 am	(AVF7) Higher Incidence Of Deep Venous Thrombosis and Pulmonary Emboli Among Coronavirus Disease 2019 (COVID-19) Positive Patients: A Multi-Site Healthcare System Experience <i>Camila Franco Mesa¹, Young Erben¹, Michelle Lin¹, Andrew Meltzer², Melanie Greenway¹, Osman Hamid¹, Zlatko Devic¹, Beau Toskich¹, Houssam Farres¹, Manju Kalra³, Thomas Bower³, Randall De Martino³, Jason Siegel¹, Albert Hakaim¹, Devang Sanghavi¹, Yupeng Li⁴, Candido Rivera¹, Pablo Moreno-Franco¹, Josephine Huang¹, James Meschia¹</i> <i>¹Mayo Clinic Florida, Jacksonville, FL, USA, ²Mayo Clinic, Phoenix, AZ, USA, ³Mayo Clinic Minnesota, Rochester, MN, USA, ⁴Rowan University, Glassboro, NJ, USA</i>
10:19 am	(AVF8) COVID-19 and the Vascular Lab: Decreasing Exposure Risk <i>Steve Elias, Sam Elias</i> <i>Englewood Health Network, Englewood, NJ, USA</i>
10:25 am	(AVF9) COVID-19 Patient Presenting with Symptomatic Iliocaval Thrombus: A Case Report <i>Clinton Timmerman^{1,2}, Arthelma Tyson¹</i> <i>¹Atlanticare Regional Medical Center, Atlantic City, NJ, USA, ²RowanSOM, Stratford, NJ, USA</i>
10:31 am	LIVE Q&A
10:40 am	(AVF10) INVITED SPEAKER Thrombosis in the COVID-19 Population: Acute and Extended Risk <i>Geno Merli, Jefferson University</i>
11:00 am	LIVE Q&A
11:10 am – 11:15 am	BREAK
11:15 am – 11:45 am	Industry Symposia sponsored by Sigvaris, Inc.
11:45 am – 11:50 am	BREAK



ANNUAL MEETING

WEDNESDAY, MARCH 17, 2021 (EDT/UTC-4) *continued*

11:50 am – 12:25 pm	Scientific Session 2 - Quick Shots <i>Moderators: Faisal Aziz, Andrea Obi</i>
11:50 am	Introduction
11:51 am	(AVF11) An Underconsidered Cause of Central Venous Occlusion Neelam Muljii¹ , Joann Lohr ² , Jonathan Sexton ² , Fonda Wilkins ² ¹ Prisma Health/University of South Carolina, Columbia, SC, USA, ² William Jennings Bryan Dorn VA Medical Center, Columbia, SC, USA
11:54 am	(AVF12) Initial Experience with Inari Thrombectomy Systems for Single-Session Suction Thrombectomy of Iliocaval Thrombus Vishnu Chandra , David Dwyer, Rehan Quadri, Aditya Sharma, Minhaj Khaja, John Matson University of Virginia Health, Charlottesville, VA, USA
11:57 pm	(AVF13) Use of Dual Antiplatelet Therapy Plus Anticoagulation Following Iliocaval and Iliofemoral Recanalization in Patients with Recurrent Stent Thrombosis John Matson , Randy Ramcharitar, Aditya Sharma, John Angle, Minhajuddin Khaja University of Virginia Health, Charlottesville, VA, USA
12:00 pm	(AVF14) Quality and Educational Value of Procedural Videos for DVT lysis In the Public Domain Qi Yan , Mark Davies, UT Health San Antonio, San Antonio, TX, USA
12:03 pm	(AVF15) Venous Stenting versus Venous Ablation Ahmad Alsheekh , Pavel Kibrik, Natalie Marks, Anil Hingorani, Enrico Ascher Total Vascular Care, Brooklyn, NY, USA
12:06 pm	(AVF16) Common Iliac Vein Stenting for May-Thurner Syndrome and Subsequent Pregnancy: Patency and Outcomes Giancarlo Speranza¹ , Mikel Sadek ² , Karan Garg ² , Todd Berland ² , Michael Barfield ² , Caron Rockman ² , Neal Cayne ² , Thomas Maldonado ² , Glenn Jacobowitz ² ¹ New York University Grossman School of Medicine, New York, NY, USA, ² New York University Langone Health, New York, NY, USA
12:09 pm	(AVF17) Endovascular Treatment of Renal Vein Thrombosis in a Young Patient with Lung Transplant Anand Brahmandam , Alfred Lee, Cassius Iyad Ochoa Chaar Yale University School of Medicine, New Haven, CT, USA
12:12 pm	(AVF18) Anticoagulation Management of DVT in Pregnancy: Anti-Xa Levels Matter Joann Lohr¹ , Joseph Caprini ² , Fonda Wilkins ¹ ¹ William Jennings, Bryan Dorn VA Medical Center, Columbia, SC, USA, ² Pritzker School of Medicine at the University of Chicago, Chicago, IL, USA
12:15 pm	(AVF19) Remember the Skin Biopsy!!! In The Differential Diagnosis of Warfarin-induced Skin Necrosis vs Calciphylaxis: Histopathology is King Candance Wulff¹ , Joann Lohr ² , Jenna Wilkening ³ , Fonda Wilkins ² ¹ Prisma Health/University of South Carolina, Columbia, SC, USA, ² William Jennings Bryan Dorn VA Medical Center, Columbia, SC, USA, ³ Trihealth, Cincinnati, OH, USA



ANNUAL MEETING

WEDNESDAY, MARCH 17, 2021 (EDT/UTC-4) *continued*

12:18 pm	(AVF20) Comparison of the Economic Benefits of a Proprietary Advanced Pneumatic Compression Device (APCD) over a Simple Pneumatic Compression Device (SPCD) in the Management of Lymphedema Mark lafrati, Thomas O'Donnell, Jr., Tufts Medical Center, Tufts School of Medicine, Boston, MA, USA
12:21 pm	Wrap up
12:25 pm – 12:30 pm	BREAK
12:30 pm – 1:45 pm	Top Abstracts & Late Breaking Trials <i>Moderators: Angela Kokkosis, Edgar Guzman</i>
12:30 pm	Introduction
12:31 pm	(AVF21) Percutaneous Mechanical Thrombectomy in High-Risk and Intermediate-Risk Pulmonary Embolism – Results from the FLASH registry Wissam Jaber, Emory University School of Medicine, Atlanta, GA, USA
12:37 pm	(AVF22) Tranexamic Acid in the Treatment of post-Sclerotherapy Hyperpigmentation Linda Cardoso, Jorge Ulloa, Juan Chalela Universidad de los Andes, Fundacion Santa Fe, Bogota, Colombia
12:43 pm	(AVF23) Effective Removal of Chronic Thrombus with the ClotTrieve System: Results from the CLOUT Registry Steven Abramowitz MedStar Washington Hospital Center/Georgetown University Hospital, Washington, DC, USA
12:49 pm	(AVF24) 12-month Clinical Outcomes from the VIVO Clinical Study - A Multicenter Evaluation of the Zilver Vena Venous Stent in the Treatment of Symptomatic Iliofemoral Venous Outflow Obstruction Anthony Comerota¹, Lawrence Hofmann², Jennifer McCann-Brown³ ¹ Inova Alexandria Hospital, Alexandria, VA, USA, ² Stanford University, Stanford, CA, USA, ³ Cook Medical, West Lafayette, IN, USA
12:55 pm	LIVE Q&A
1:07 pm	(AVF25) C-Tract Update Suresh Vedantham
1:13 pm	(AVF26) VETEX Study: Outcomes of First in Human Study using REVENE DVT Thrombectomy Catheter Stephen Black
1:19 pm	(AVF27) VIRTUS: Long-Term Safety and Efficacy of the Vici Venous Stent System Mahmood Razavi
1:25 pm	(AVF28) ABRE STUDY 12-MONTH DATA: Results of the Abre™ Venous Self-Expanding Stent System by Initial Clinical Presentation Erin Murphy
1:31 pm	LIVE Q&A
1:45 pm – 1:50 pm	BREAK
1:50 pm – 2:20 pm	Industry Symposia sponsored by Cook Medical



ANNUAL MEETING

THURSDAY, MARCH 18, 2021 (EDT/UTC-4)

9:30am – 9:55am LIVE NETWORKING: Meet the Exhibitors - Get a Live Tour of the Exhibit Hall

10:00 am – 11:30 am Sumner Session: The State of the AVF - The Future is Bright

Moderator: Antonios Gasparis

10:00 am Introduction *Antonios Gasparis*

10:01 am In Pursuit of the AVF Mission *John Forbes*

10:11 am Venous Education Series *Ellen Dillavou*

10:21 am Publications and Patient Education *John Blebea*

10:31 am AVF Communications *Steve Elias*

10:41 am Guidelines of the American Venous Forum *Elna Masuda*

10:51 am International Ambassador Program *Jorge Ulloa*

11:01 am Focused Practice Designation *Brajesh Lal*

11:11 am Venous Advisory Council *Harold Welch*

11:21 am LIVE Q&A

11:30 am – 11:35 am BREAK

11:35 am – 12:35 pm Scientific Session 3 - Deep Venous Disease I

Moderators: Ruth Bush, Robert Attaran

11:35 am Introduction

11:36 am (AVF29) Iliofemoral Venous Stenting May Contribute to Improving Femoropopliteal Deep Vein Reflux

Matthew Pergamo, Lowell Kabnick, Glenn Jacobowitz, Caron Rockman, Thomas Maldonado, Todd Berland, Sheila Blumberg, Mikel Sadek
New York University Langone Health, New York City, NY, USA

11:42 am (AVF30) Anticoagulation of Venous Stents for Non-Thrombotic Venous Lesions Does Not Increase Stent Patency

Peter Pappas^{1,2}, Sanjiv Lakhanpal^{1,2}, Levan Sulakvelidze¹, Maxwell Tran¹, Arjun Shetty¹, Rick Kennedy¹, ¹Center for Vascular Medicine, Greenbelt, MD, USA, ²Center for Vein Restoration, Greenbelt, MD, USA

11:48 am (AVF31) Utility Of The 50% Stenosis Criterion In Patients Undergoing Stenting For Chronic Iliofemoral Venous Obstruction

Arjun Jayaraj, Thomas Powell, Seshadri Raju
RANE Center Vein, Lymph and DVT Clinic, Jackson, MS, USA

11:54 am (AVF32) Sex Differences in Long-Term Outcomes of Patients with Deep Vein Thrombosis

Shin Mei Chan², Anand Brahmandam¹, Marcus Aspegren-Valcarce², Haoran Zhuo³, Yawei Zhang³, Britt Tonnessen¹, Alfred Lee⁴, Cassius Iyad Ochoa Chaar¹
¹Division of Vascular Surgery, Department of Surgery, Yale University School of Medicine, New Haven, CT, USA, ²Yale University School of Medicine, New Haven, CT, USA, ³Department of Environmental Health Sciences, Yale University School of Public Health, New Haven, CT, USA, ⁴Section of Hematology, Department of Internal Medicine, Yale University School of Medicine, New Haven, CT, USA



ANNUAL MEETING

THURSDAY, MARCH 18, 2021 (EDT/UTC-4) *continued*

- | | |
|---------------------|---|
| 12:00 pm | (AVF33) Human Vein In-stent Restenosis: A Clinic-Pathologic Study
David Gordon¹ , David Williams ¹ , John Nicklas ²
¹ University of Michigan, Ann Arbor, MI, USA, ² Brown University Medical School (Warren Alpert Medical School), Providence, RI, USA |
| 12:06 pm | (AVF34) Intravascular Ultrasound Improves Short-term Patency of Venous Stenting Interventions
Lillian Tran , Catherine Go, Mohamed Zaghloul, Othman Abdul Malak, Eric Hager, Mohammad Eslami, Rabih Chaer, Efthymios Avgerinos, University of Pittsburgh Medical Center, Pittsburgh, PA, USA |
| 12:12 pm | LIVE Q&A |
| 12:35 pm – 12:40 pm | BREAK |
| 12:40 pm – 1:10 pm | Industry Symposia sponsored by Boston Scientific |
| 1:10 pm – 1:15 pm | BREAK |
| 1:15 pm – 2:45 pm | International Session: Sharing Excellence in Global Venous Science
<i>Moderators: Lowell Kabnick, Jorge Ulloa</i> |
| 1:15 pm | Introduction |
| 1:16 pm | (AVF35) The Change of Venous Wall Tension During Prolonged Load of Physiologic Hydrostatic Pressure - A Pilot Ex-Vivo Study
Roman Tauraginskii^{1,2} , Fedor Lurie ^{3,4} , Rishal Agalarov ² , Nikita Kravchenko ⁵ , Denis Borsuk ⁶
¹ International Institution of Health Care and Additional Education Research Institute of Clinical Medicine, Irkutsk, Russian Federation, ² LLC Vein center "Antireflux", Surgut, Russian Federation, ³ Jobst Vascular Institute, Toledo, OH, USA, ⁴ University of Michigan, Ann Arbor, MI, USA, ⁵ "County Cardiology Dispanser" Center for Diagnostic and Cardiovascular surgery, Surgut, Russian Federation, ⁶ The Clinic of Phlebology and laser surgery "Vasculab" Ltd., Chelyabinsk, Russian Federation |
| 1:22 pm | (AVF36) Investigating a Role for Platelets in Venous In-Stent Stenosis in Patients with Post-Thrombotic Syndrome
Adam Gwozdz¹ , Stephen Black ¹ , Rachael Morris ¹ , Sophie Messiha ¹ , Mohammed Ikram ¹ , Alexander Bye ² , Jonathan Gibbins ² , Margaret Rand ³ , Ashish Patel ¹ , Bijan Modarai ¹ , Alberto Smith ¹ , Prakash Saha ¹
¹ Guy's and St Thomas' NHS Foundation Trust and King's College London, London, United Kingdom, ² University of Reading, Reading, United Kingdom, ³ The Hospital for Sick Children and University of Toronto, Toronto, ON, Canada |
| 1:28 pm | (AVF37) A Comparison of Open vs Closed Cell Dedicated Venous Stents for Treatment of Chronic Iliofemoral Venous Outflow Obstruction
Rachael Morris^{1,2} , Nicholas Jackson ² , Taha Khan ² , Adam Gwozdz ^{1,2} , Narayanan Karunanithy ² , Narayanan Thulasidasan ² , Stephen Black ^{1,2} , Prakash Saha ^{1,2}
¹ King's College London, London, United Kingdom, ² St Thomas' Hospital, London, United Kingdom |
| 1:34 pm | (AVF38) Serious and Uncommon Complications of Sclerotherapy
Jorge Ulloa , Sebastian Cifuentes,
Valentina Sierra Universidad de los Andes, Fundacion Santa Fe, Bogota, Colombia |



ANNUAL MEETING

THURSDAY, MARCH 18, 2021 (EDT/UTC-4) *continued*

1:40 pm (AVF39) Endovenous Laser Ablation (EVLA) with Simultaneous Sclerotherapy as a Comprehensive Approach to the Treatment of Superficial Venous Incompetence
Aleksandra Jaworucka- Kaczorowska
Center of Phlebology and Aesthetic Medicine, Gorzów Wlkp., Poland

1:46 pm LIVE Q&A

2:05 pm (AVF40) Caprini Score In Venous Surgery: First Results From an Ongoing Registry Study
Kirill Lobastov¹, Denis Borsuk², Alexey Fokin³, Maria Shaldina³, Ilya Schastlivtsev¹, Leonid Laberko¹, ¹Pirogov Russian National Research Medical University, Moscow, Russian Federation, ²Clinic of Phlebology and Laser Surgery "Vasculab" Ltd, Chelyabinsk, Russian Federation, ³South Ural State Medical University, Chelyabinsk, Russian Federation

2:11 pm (AVF41) PVP is Effective and Safe to Restore Valve Function, Best Suitable for Early Stages of Pressure-Induced Valve Decompensation
Chris Ragg,
Angioclinic Vein Centers Germany, Berlin, Germany

2:17 pm (AVF42) EVF PRIZE WINNER: Quantitative and Structural Characteristics of Mitochondrial DNA in Varicose Veins
Mariya A. Smetanina¹, Kseniya S. Sevost'ianova¹, Arina N. Shirshova², Igor P., Oscorbin², Natalya A. Oskina², Igor A. Zolotukhin³, Maxim L. Filipenko¹
¹Institute of Chemical Biology and Fundamental Medicine (ICBFM), Novosibirsk State University (NSU), Russia, ²Institute of Chemical Biology and Fundamental Medicine (ICBFM), Russia, ³Pirogov Russian National Research Medical University (RNRMU), Russia

2:23 pm (AVF43) EVF PRIZE WINNER: Cost Utility Analysis of Modalities of Treatment for Iliofemoral Deep Venous Thrombosis in the United Kingdom
Anna Louise Pouncey¹, Joseph B Babigumira², Oscar W Johnson¹, Jude Currier³, Stephen A Black¹
¹Guy's and St Thomas' NHS Foundation Trust, UK, ²University of Washington, USA, ³Solidarity Health, USA

2:29 pm LIVE Q&A

2:45 pm – 2:50 pm BREAK

2:50 pm – 3:20 pm Industry Symposia sponsored by BD



ANNUAL MEETING

FRIDAY, MARCH 19, 2021 (EDT/UTC-4)

9:30am – 9:55am **LIVE NETWORKING: Coffee with Colleagues - Come See New and Old Friends**

10:00 am – 11:00 am **Scientific Session 4 - Deep Venous Disease II**
Moderators: Patrick Muck, Alessandra Puggioni

10:00 am Introduction

10:01 am (AVF44) Deciphering the Enigma of Renal Vein Compression (Nutcracker Syndrome)
Allison Mackenzie¹, Harold Waller², Julianne Stoughton²
¹Tufts University, Medford, MA, USA, ²Massachusetts General Hospital, Boston, MA, USA

10:07 am (AVF45) Pregnancy After Iliac Vein Stenting for Pelvic Venous Insufficiency
Matthew Wise^{1,2}, Gaurav Lakhanpal¹, Theresa Soto^{1,2}, Zoe Deol^{1,2}, Rick Kennedy¹, Sanjiv Lakhanpal^{1,2}, Peter Pappas^{1,2}
¹Center for Vascular Medicine, Greenbelt, MD, USA, ²Center for Vein Restoration, Greenbelt, MD, USA

10:13 am (AVF46) Technical Considerations of Iliocaval Venous Anomalies During Vein Stenting
Julio Ramos, Akila Pai, Halbert Bai, Scott Safir, Sung Kim, Michael Marin, Peter Faries, Windsor Ting, Vascular Surgery Department at Mount Sinai Hospital, New York, NY, USA

10:19 am (AVF47) Early Thrombosis After Iliac Stenting for Venous Outflow Occlusion is Related to Disease Severity and Type of Post-stenting Anticoagulation
William Marston, Kathleen Iles, Sydney Browder, Anna Griffith
University of North Carolina School of Medicine, Chapel Hill, NC, USA

10:25 am (AVF48) Novel Therapy for Recanalization of Chronic Iliocaval Venous Occlusion Using Radiofrequency
Evan Neville, Brent Robertson, L. Graham Rucker, Brian Kuhn, Aaron Kulwicki, Mark Broering, Matthew Recht, Patrick Muck Trihealth - Good Samaritan and Bethesda North Hospital, Cincinnati, OH, USA

10:31 am (AVF49) Initial Experiences with Venovo Dedicated Venous Stent: Post Market Approval Findings and Results in a Tertiary Referral Center
Brent Robertson, Evan Neville, Louis Rucker, Joshua Hernandez, Josh Meredith, Angie Fellner, Mark Broering, Brian Kuhn, Aaron Kulwicki, Matthew Recht, Patrick Muck Trihealth Inc – Good Samaritan and Bethesda North Hospitals, Cincinnati, OH, USA

10:37 am **LIVE Q&A**

11:00 am – 11:05 am **BREAK**

11:05 am – 11:40 am **D. Eugene Strandness, Jr, MD Lecture: The Rise, Fall, and Rise Again of Ultrasound Guided Foam Sclerotherapy (UGFS) for the Treatment of Lower Limb Superficial Venous Disease** *Professor Andrew W Bradbury - University of Birmingham, UK*

11:40 am – 11:45 am **BREAK**

11:45 am – 12:15 pm **Industry Symposia sponsored by Medtronic**



ANNUAL MEETING

FRIDAY, MARCH 19, 2021 (EDT/UTC-4) *continued*

12:15 pm – 12:20 pm **BREAK**

12:20 pm – 1:50 pm President's Session *Chair: Harold Welch*

12:20 pm Introduction

12:21 pm 2019 JOBST Grant Presentation *Andrea Obi*

12:27 pm 2020 JOBST Grant Presentation *Eri Fukaya*

12:33 pm Distinguished Fellows Award *Harold Welch*

12:38 pm Founders Award *Harold Welch*

12:43 pm Update on the Journal of Vascular Surgery – Venous and Lymphatic Disorders
Peter Lawrence

12:47 pm VQI Report *Michael Dalsing*

12:52 pm Health Policy Update *Mark lafrati*

1:00 pm The American Venous Forum, American Vein and Lymphatic Society and the Society for Vascular Medicine Delphi Consensus on Lymphedema *Fedor Lurie*

1:10 pm President's Introduction *Antonios Gasparis*

1:20 pm LIVE Presidential Address *Harold Welch*

1:50 pm – 1:55 pm BREAK

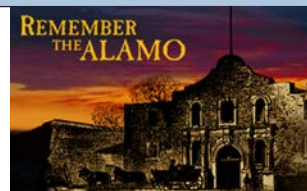
1:55 pm – 2:55 pm LIVE AVF Member Business Meeting

3:00 pm – 3:30 pm Industry Symposia sponsored by Boston Scientific

7:00 pm – 8:00 pm REMEMBER THE ALAMO

DRINKS • DRESS • DRAMA

Join your fellow members with a drink,
western dress and drama we have planned





ANNUAL MEETING

SATURDAY, MARCH 20, 2021 (EDT/UTC-4)

9:30am – 9:55am **LIVE NETWORKING:** Meet the Experts in the Exhibit Hall

10:00 am – 11:00 am **Villavicencio Symposium: Horizons of Venous Disease Management: What Critical Therapies Do We Need to Take Patient Care to the Next Level?**
Moderator: William Marston

10:00 am Introduction of Dr. Villavicencio *William Marston*

10:05 am Superficial Venous Disease
Panelists: Steve Elias, Kellie Brown, Thomas O'Donnell

10:20 am Pelvic Venous Reflux and Obstruction
Panelists: Anthony Gasparis, Ron Winokur, Gloria Salazar, Kush Desai

10:35 am Lower Extremity Deep Venous Reflux and Obstruction
Panelists: William Marston, Tony Comerota, Erin Murphy

10:50 am **LIVE Q&A**

11:00 am – 11:05 am **BREAK**

11:05 am – 12:05 pm **Scientific Session 5 – Superficial Venous Disease**
Moderators: Julianne Stoughton, Eric Hager

11:05 am Introduction

11:06 am (AVF50) Correlation Between Great Saphenous Vein Diameter, Length of Treatment Zone with Improvement in Symptoms Post-Ablation
Robert Attaran, Aneil Bhalla, Carlos Mena-Hurtado, Cassius Ochoa-Chaar
Yale School of Medicine, New Haven, CT, USA

11:12 am (AVF51) Role of the Dermal-Subdermal Plexus in Venous Leg Ulcer
Alvaro Orrego^{1,2}
¹University of San Salvador, Santiago, Chile, ²Laser&Veins, Vina del Mar, Chile

11:18 am (AVF52) Sclerotherapy as a Safe and Valuable Method of Treatment of Incompetent Veins on Foot and Ankle
Aleksandra Jaworucka-Kaczorowska, Center of Phlebology and Aesthetic Medicine, Gorzów Wlkp, Poland

11:24 am (AVF53) Recanalization in Older Patients with Endovenous Thermal Ablation
Ahmad Alsheekh, Taqwa Ahmed, Pavel Kibrik, Anil Hingorani, Enrico Ascher, Total Vascular Care, Brooklyn, NY, USA

11:30 am (AVF54) Percutaneous Cyanoacrylate Sandwich Technique Combined With Segmental Sclerotherapy for Very Superficial Vein Treatments
Naoki Sakakibara¹, Rie Yagi^{1,2}, Tomohiro IMAI³, Kan Kajimoto², Atsushi Amano²
¹Edogawa Hospital-Tokyo, Edogawa Ward, Japan, ²Juntendo University-Tokyo, Bunkyo Ward, Japan, ³Tokyo Vascular & Vein Clinic-Tokyo, Bunkyo Ward, Japan

11:36 am (AVF55) Safety Issues Identified During IAC Vein Center Site Visits
Laura Humphries¹, Mary Farrell¹, Mark Meissner²
¹Intersocietal Accreditation Commission, Ellicott City, MD, USA, ²University of Washington, Seattle, WA, USA



ANNUAL MEETING

SATURDAY, MARCH 20, 2021 (EDT/UTC-4) *continued*

11:42 am LIVE Q&A

11:05 am - 11:50 am Concurrent Session: EVF/AVF Joint Session

Moderator: Brajesh Lal, Dominik Heim

11:05 am Anticoagulation For Venous Thrombosis: State-Of-The-Art In 2021 **Stavros Kakkos**

11:12 am Latest Perspectives on Early Thrombus Removal for Lower and Upper Extremity DVT
Manjit Gohel

11:19 am Duplex Scan Criteria at the Groin for Detecting Proximal Iliac Venous Obstruction
Elna Masuda

11:26 am Updated 2021 Protocol for Comprehensive Evaluation and Treatment of Venous Disease in CEAP Clinical Class 6 Patients **William Marston**

11:33 am LIVE Q&A

12:05 pm – 12:10 pm BREAK

12:10 pm – 12:40 pm Potential Industry Symposia

12:40 pm – 12:45 pm BREAK

12:45 pm – 1:45 pm Scientific Session 6 – Lymphedema and Contemporary Venous Care

Moderators: Mikel Sadek, Lori Pounds

12:45 pm Introduction

12:46 pm (AVF56) Seasonal Variation in Swelling of Lower Extremities in Patients with CVI
Maria Santa Cruz, Anil Hingorani, Natalie Marks, Enrico Ascher, Elona Poltiyelova, Nikita Singh
Total Vascular Care, Brooklyn, NY, USA

12:52 pm (AVF58) Evaluation the Subclinical Stage (stage 0) of Secondary Lymphedema after Axillary Lymph Node Dissection Using Near Infrared Fluorescent Imaging
Miguel Amore, Fernando Dip, Sofia Salvia, Military Hospital, Buenos Aires, Argentina

12:58 pm (AVF59) Ultrasound Guided Foam Sclerotherapy of Insufficient Perforator Veins In Patients With Severe Chronic Venous Disease
Fanny Rodriguez Santos, Victoria Loson, Agustin Coria, Mariana Dotta, Carolina Marque Fosser, Roxana Katsini, Hernan Bauza Moreno, Hugo Martinez
Phlebology Unit, General Surgery Department. Hospital Italiano de Buenos Aires, Buenos Aires, Argentina

1:04 pm (AVF60) A Single-Center Experience of Anterior Accessory Saphenous Vein Endothermal Ablation Demonstrates Safety and Efficacy
John Charitable¹, Giancarlo Speranza², Caron Rockman¹, Glenn Jacobowitz¹, Lowell Kabnick³, Karan Garg¹, Michael Barfield¹, Thomas Maldonado¹, Todd Berland¹, Neal Cayne¹, Mikel Sadek¹
¹NYU Langone Health, New York, NY, USA, ²New York University Grossman School of Medicine, New York, NY, USA, ³Kabnick Vein Center, Morristown, NJ, USA

1:10 pm (AVF61) Qualitative Assessment of Online Patient Resources for Pulmonary Embolism and Deep Vein Thrombosis
Preston Tolbert¹, Zachary Harbin¹, Wesley Clothier¹, John Treffalls¹, Qi Yan^{1,2}, Mark, Davies^{1,2}
¹University of Texas Health Science Center at San Antonio, San Antonio, TX, USA, ²South Texas Medical Center, San Antonio, TX, USA



ANNUAL MEETING

SATURDAY, MARCH 20, 2021 (EDT/UTC-4) *continued*

1:16 pm LIVE Q&A

12:45 pm - 1:30 pm Concurrent Session: SVM/AVF Joint Session Moderator: John Fish

12:45 pm COVID-19 Related Venous Thrombosis *Yogendra Kanthi*

12:51 pm Obesity and Phlebolympheidema: What's the Connection? *Steven Dean*

12:57 pm Challenges in Cancer-Associated Thrombosis *Ana Casanegra*

1:03 pm Non-Vascular Causes of Extremity Edema *Marcus Stanbro*

1:09 pm Thrombosis Prophylaxis in COVID-19 Positive Patients *John Fish*

1:15 pm Who, What and When? The Basics of Thrombophilia Workup *Drew Oostra*

1:21 pm LIVE Q&A

1:30 pm - 1:35 pm BREAK

1:35 pm - 2:20 pm Concurrent Session: The National Venous Registry and Quality Control SVS/AVF Joint Session Moderator: Marc Passman

1:35 pm SVS/AVF Venous VQI and Quality Update *Marc Passman*

1:40 pm Varicose Vein Registry Update *Nicholas Osborne*

1:47 pm IVC Filter Update *Antonios Gasparis*

1:54 pm Venous Stent Registry Update *William Marston*

2:00 pm Venous RAC Update and Research Priorities *Nicholas Osborne*

2:10 pm LIVE Q&A

1:45 pm - 1:50 pm BREAK

1:50 pm - 2:50 pm Scientific Session 7 - VTE

Moderators: Antonios Gasparis, Efthymios "Makis" Avgerinos

1:50 pm Introduction

1:51 pm (AVF62) Risk of Deep Venous Thrombosis with the Use of Foamed Sclerosant for Symptomatic Superficial Venous Insufficiency

Patrick Beyer¹, Thekla Bacharach², Anand Dayama², Jean Panneton², David Dexter²

¹Naval Medical Center Portsmouth, Portsmouth, VA, USA, ²Eastern Virginia Medical School, Norfolk, VA, USA

1:57 pm (AVF63) Elevated Plasma Factor VIII Levels in Patients with Venous Thromboembolism

Taimur Saleem, Brandi Burr, Jerad Robinson, Kristen Degelman, Jenna Stokes

The Rane Center for Venous and Lymphatic Diseases, Jackson, MS, USA

2:03 pm (AVF64) Advanced Age is an Independent Predictor of Inferior Vena Cava Filter Non-Retrieval

Anthony Grief, Charles Hamilton, Alexander Malanowski, Huong Truong, John Noshier, William Beckerman, Rutgers Robert Wood Johnson School of Medicine, New Brunswick, NJ, USA

2:09 pm (AVF65) Pulsatile Phlebitis Due to Micro Arteriovenous Communications

Takaya Murayama

Kannai Medical Clinic, Yokohama, Japan



ANNUAL MEETING

SATURDAY, MARCH 20, 2021 (EDT/UTC-4) *continued*

2:15 pm (AVF66) Discordant aPTT and Anti-Xa Values More Common than Realized in Hospitalized Patients Treated with Intravenous Unfractionated Heparin
Hanna Sams¹, Joann Lohr², Fonda Wilkins², Jonathan Sexton²
¹Prisma Health/University of South Carolina, Columbia, SC, USA, ²William Jennings Bryan Dorn VA Medical Center, Columbia, SC, USA

2:21 pm (AVF67) Radiation-related Iliofemoral Venous Obstruction: Recanalize with Caution
William Sherk, Minhaj Khaja, Xhorlina Marko, David Williams
University of Michigan-Michigan Medicine, Ann Arbor, MI, USA

2:27 pm LIVE Q&A

2:25 pm - 3:10 pm Concurrent Session: AVLS Session: Rethinking Pelvic Venous Disorders
Moderator: Mark Meissner

2:25 pm Pelvic Venous Disorders: Clinical Presentation, Anatomy and Hemodynamics
Mark Meissner

2:32 pm The SVP Instrument for Classification of Pelvic Venous Disorders
Kathleen Gibson

2:39 pm Pelvic Venous Reflux - Why Isolated Left Ovarian Embolization is Often Not Enough
Ronald Winokur

2:46 pm Neuropsychological Aspects of Chronic Pelvic Pain: An Explanation for the Confusing Clinical Presentation **Neil Khilnani**

2:53 pm Venous Origin Pelvic Pain: The Pelvic Pain Specialists View **Diana Atashroo**

3:00 pm LIVE Q&A



POSTERS

-
- POSTER 01** **Right-Sided Heart Function and Venous Leg Ulcers;
An Ultrasound Single Center Study**
Alejandro Pizano, Hunter Ray, Rendy Shaw, Quan Ma, Stuart Harlin
Department of Cardiothoracic and Vascular Surgery, McGovern Medical School,
University of Texas Health Science Center at Houston, Houston, TX, USA
-
- POSTER 02** **Prevention of Thromboembolic Events in Phlebology**
Roxana Katsini, Sr., Carolina Marquez Fosser, Sr., Agustin Coria, Jr., Fanny Rodriguez Santos, Sr., Maria Victoria Loson, Jr., Mariana Dotta, Sr., Hernan Bauza Moreno, Sr., Carlos Pared, Sr., Hugo Martinez, Sr.
Hospital Italiano de Buenos Aires, CABA, Argentina
-
- POSTER 03** **Early Results with a New Endovenous Radio-Frequency Ablation Catheter**
Gennady Vulakh, Anil Hingorani, Enrico Ascher, Natalie Marks
Total Vascular Care, Brooklyn, NY, USA
-
- POSTER 04** **Moving-Shot Radiofrequency Ablation of Peripheral Vascular Malformations**
Zafer Coskun, Üniversite of Health Sciences Istanbul, Istanbul, Turkey
-
- POSTER 05** **Occlusion Rate of Great Saphenous Vein after Hybrid Treatment with
Endovascular Laser Ablation and Foam Sclerotherapy**
Valentin Figueroa, Jorge H. Ulloa, Nevianni Velez, Nicolas Suarez
Universidad de los Andes, Fundacion Santa Fe, Bogota, Colombia
-
- POSTER 06** **Pulmonary Embolism or in situ Pulmonary Thrombosis After Hybrid Treatment
with Endovascular Laser Ablation and Foam Sclerotherapy: Case Report.**
Sebastian Cifuentes, Valentin Figueroa, Jorge Ulloa, Jose Ordoñez,
Ana Montenegro, Universidad de los Andes, Fundacion Santa Fe, Bogota, Colombia
-
- POSTER 07** **Takotsubo Syndrome induced by Sclerotherapy with Polidocanol: A Case Report**
Paula Pinto, Sebastian Cifuentes, Jorge Ulloa, Ana Montenegro
Universidad de los Andes, Fundacion Santa Fe, Bogota, Colombia
-
- POSTER 08** **A Case of Allergic Reaction of Venaseal Closure for the Treatment of Superficial
Venous Insufficiency**
Mitsumi Yamashita
Murayama Clinic, Yokohama, Japan
-
- POSTER 09** **Venous Thromboembolism in a Patient with an Uncommon Etiology of
May-Thurner Syndrome**
Giancarlo Speranza¹, Eric Hager²
¹New York University Grossman School of Medicine, New York, NY, USA, ²
University of Pittsburgh Medical Center, Pittsburgh, PA, USA
-
- POSTER 10** **Femoral Vein Excision Without Reconstruction: A Case Report**
Ugur Bengisun, Yusuf Yildiz, Arda Cetinkaya
University of Ankara, Ankara, Turkey
-
- POSTER 11** **Repair of Common Femoral Artery to Femoral Vein Arteriovenous Fistula with
Pseudoaneurysm In a Patient with Chronic Heart Failure**
Andy Wang^{1,2}, Ali Al Jabri¹, Edward Jewell¹, Angela Jellison¹
¹Lahey Hospital & Medical Center, Burlington, MA, USA, ²Tufts University School of
Medicine, Boston, MA, USA
-



POSTERS

- POSTER 12** **Outcomes of Catheter-based Interventions in Acute Pulmonary Embolism**
Rafael Cires-Drouet, Khanjan Nagarsheth, Shahab Toursavadkahi, David Kaczorowski, Ronson Madathil, Kevin Jones, Steven Liskov, Jeffrey Fitch, Michelle Sayad, Chetan Pasrija, Minerva Mayorga-Carlin, Daniel Herr, John Sorkin, Barthley Griffith, James Gammie, Brajesh Lal
University of Maryland - Baltimore, Baltimore, MD, USA
-
- POSTER 13** **Sensitivity and Specificity of Thermal Imaging used to Detect Superficial Venous Incompetence**
David Wright¹, Ariel Soffer² ¹USA Therm Inc, Henley on Thames, United Kingdom, ²Soffer Health, Aventura, FL, USA
-
- POSTER 14** **True Right Sided May Thurner's Does Exist**
Hanna Sams¹, Joann Lohr²
¹Prisma Health/University of South Carolina, Columbia, SC, USA, ²William Jennings Bryan Dorn VA Medical Center, Columbia, SC, USA
-
- POSTER 15** Withdrawn
-
- POSTER 16** **Management of Venous Thoracic Outlet Syndrome**
Adrian Santini¹, Mike Broce², Albeir Mousa³
¹Charleston Area Medical Center, Integrated Vascular Surgery, Charleston, WV, USA, ²Charleston Area Medical Center Center for Health Education and Research Institute, Charleston, WV, USA, ³Robert C. Byrd Health Sciences Center/West Virginia University Charleston Area Medical Center, Vascular Center of Excellence, Charleston, WV, USA
-
- POSTER 17** **Iatrogenic Central Venous Occlusion**
Hanna Sams¹, Joann Lohr², Amitesh Verma³, Anil Verma⁴
¹Prisma Health/University of South Carolina, Columbia, SC, USA, ²William Jennings Bryan Dorn VA Medical Center, Columbia, SC, USA, ³Indian Hill High School, Cincinnati, OH, USA, ⁴Mercy Health, Cincinnati, OH, USA
-
- POSTER 18** **Elevated Inflammatory Markers May Inform Extent of Intervention in Venous Thoracic Outlet Syndrome Patients**
Christopher Audu¹, Xhorlina Marko², Minhajuddin Khaja³, Chandu Vemuri¹
¹Section of Vascular Surgery, University of Michigan, Ann Arbor, MI, USA, ²Section of Vascular Interventional Radiology, University of Michigan, Ann Arbor, MI, USA, ³Vascular and Interventional Radiology, University of Virginia, Charlottesville, VA, USA
-
- POSTER 19** **Cyst – Venous Anastomosis for the Treatment of Recurrent Cervical Chylous Cyst**
Miguel Amore, Fernando Dip, Sofia Salvia
Military Central Hospital, Buenos Aires, Argentina
-
- POSTER 20** **Long-term Mortality of TrapEase Filter versus Greenfield Filter**
Ahmad Alsheekh, Alice Wang, Pavel Kibrik, Anil Hingorani, Enrico Ascher
Total Vascular Care, Brooklyn, NY, USA
-

VEIN SPECIALIST PUBLICATION

EDITOR-IN-CHIEF Steve Elias, MD **EXECUTIVE EDITOR** John Forbes, MBA **PUBLICATION EDITOR** Laura Richards

EDITORIAL BOARD

Windsor Ting, MD
Haraldur Bjarnason, MD
Edgar Guzman, MD
Andrea Obi, MD
Alessandra Puggioni, MD
Maxim Shaydakov, MD
Eric Hager, MD
Anil Hingorani, MD

Want to receive monthly updates? Contact us 847-752-5355 or info@avfmail.org

VEIN SPECIALIST welcomes your thoughts and comments. Please send all comments to info@avfmail.org



American Venous Forum
Promoting venous and lymphatic health

**Disclaimer: The information featured in this newsletter selected by AVF, which offers educational materials, are not intended to be representative of patients with venous disease generally and should not be considered medical advice. Patients should consult their doctor to determine the best treatment decision for their individual disease.*



JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

ACCREDITATION STATEMENT

In support of improving patient care, this activity has been planned and implemented by Amedco LLC and American Venous Forum (AVF). Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.



[@americanvenousforum](https://www.facebook.com/americanvenousforum)



[@VeinForum](https://twitter.com/VeinForum)



[American Venous Forum](https://www.linkedin.com/company/American Venous Forum)



[@veinforum](https://www.instagram.com/veinforum)