Dear AVF Members and Friends,

Without a doubt, this past year has one of the most difficult in memory. Despite all the hardships, most of us have tried to have some reminders of normalcy. One of the normalcies will be an outstanding AVF Annual Meeting. Although most of us would prefer to be in warm San Antonio, virtual meetings are the ‘norm’ this year, and so our fantastic Program Committee, led by Chair Kathleen Ozsvath, has created for you the usual excellence typical of the AVF Annual Meeting. We welcome and thank our faculty, speakers, sister societies, sponsors, and exhibitors who have contributed in support of the AVF and our Foundation. Notwithstanding the difficult past year, the AVF has had a very successful ’20-’21 and thanks to the leadership of our Administration, Board of Directors, and the many volunteers who have served on our committees. We welcome you to our Annual Meeting, where you will learn about the latest developments in research, science, and insights related to venous disease, and to discover all of what the AVF has to offer you.

Looking forward to seeing you ‘onscreen’,

Harold J. Welch, MD, FACS
President, American Venous Forum

It is with great pleasure that the Program Committee welcomes you to the American Venous Forum 2021 Annual Meeting, VENOUS2021. This has been a very tumultuous year with a global pandemic causing changes in the way we normally conduct our lives. Despite challenges, the program committee worked on a first ever virtual AVF meeting.

We are excited to present cutting edge research, interesting programing, and virtual comradery. We will have the Presidents session, the Day of Science, the Villavicencio program, the Strandness Lecture keynoted by Professor Andrew W. Bradbury, Late Breaking Trials, the Sumner Session, the International Session as examples of the programming that the AVF annual meeting is known for. Our colleagues from EVF, SVS, SVM, AVLS are joining us again in joint sessions, discussing interesting and relevant topics.

New this year will be the dedicated COVID session with research presented, as well as a keynote speaker, Dr. Geno Merli. Dr Merli is well known for his work and interest in thrombotic complications caused by COVID-19. Our panels will provide live, robust discussion-virtually. Posters will be found on the meeting website. Our industry partners will provide additional programing as well. We are most appreciative of their support. Don’t miss the Gala where you will have the opportunity to relax with your AVF family.

There is no way we could have done this without the hard work and dedication of the program committee members, the support of the AVF President, Harold Welch and the AVF Executive Board, the incredible administrative team led by John Forbes, Laura Richards, Ashlynn Hill and the great programming ideas of Jeff Mendola. A heartfelt thank you to an AMAZING team!!!!!!

We cannot wait to present to you the 2021 AVF Annual Meeting!

Kathleen Ozsvath, MD, FACS
Program Chair, 2021 AVF Annual Meeting
VENOUS2021 PROGRAM COMMITTEE

Chair: Kathleen Ozsvath, MD
Past Chair: Patrick Muck, MD
Chair Elect: Makis Avgerinos, MD
Members: Steven Abramowitz, MD, Faisal Aziz, MD, Peggy Bush APRN, Rush Bush, MD
Kush Desai, MD, Steven Elias, MD, Anil Hingorani, MD, Arun Jayaraj, MD,
Angela A. Kokkosis, MD, Raghu Kolluri MD RVT RPVI FSVM, M. Ashraf Mansour, MD,
Elna Masuda, MD, Cassius Iyad Ochoa Chaar, MD, Mikel Sadek, MD, Julianne Stoughton, MD,
Harold Welch, MD

AVF BOARD OF DIRECTORS

President: Harold Welch, MD
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Gerald Mattys, Daniel Mohahan, MD, Brad Moseley, Kathleen Ozsvath, MD, Tyler Palmer,
Thomas Wakefield, MD,
## SCHEDULE AT A GLANCE

**WEDNESDAY, MARCH 17**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:30am - 9:55am</td>
<td>LIVE NETWORKING: Meet the AVF</td>
</tr>
<tr>
<td>10:00am - 11:00am</td>
<td>SCIENTIFIC SESSION 1: COVID-19 and Venous Disease</td>
</tr>
<tr>
<td>11:15am - 11:45am</td>
<td>INDUSTRY SYMPOSIA A</td>
</tr>
<tr>
<td>11:50am - 11:55am</td>
<td>SCIENTIFIC SESSION 2: Quick Shots</td>
</tr>
<tr>
<td>12:00pm - 12:25pm</td>
<td>TOP ABSTRACTS &amp; LATE BREAKING TRIALS</td>
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<tr>
<td>12:50pm - 1:45pm</td>
<td>INDUSTRY SYMPOSIA B</td>
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<tr>
<td>1:50pm - 2:20pm</td>
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<td>2:25pm - 2:35pm</td>
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**THURSDAY, MARCH 18**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>9:30am - 9:55am</td>
<td>LIVE NETWORKING: 60-Second Exhibitors</td>
</tr>
<tr>
<td>10:00am - 11:00am</td>
<td>SUMNER SESSION: The State of the AVF – The Future is Bright</td>
</tr>
<tr>
<td>11:35am - 12:35am</td>
<td>SCIENTIFIC SESSION 3: Deep Venous Disease I</td>
</tr>
<tr>
<td>12:40pm - 1:10pm</td>
<td>INDUSTRY SYMPOSIA C</td>
</tr>
<tr>
<td>1:15pm - 2:45pm</td>
<td>INTERNATIONAL SESSION: Sharing Excellence in Global Venous Science</td>
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<td>2:50pm - 3:20pm</td>
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**FRIDAY, MARCH 19**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>9:30am - 9:55am</td>
<td>LIVE NETWORKING: VENOUS2021 Attendees</td>
</tr>
<tr>
<td>10:00am - 11:00am</td>
<td>SCIENTIFIC SESSION 4: Deep Venous Disease II</td>
</tr>
<tr>
<td>11:05am - 11:40am</td>
<td>D. EUGENE STRANDNESS JR, MD: Keynote Speaker</td>
</tr>
<tr>
<td>11:45am - 12:15pm</td>
<td>INDUSTRY SYMPOSIA E</td>
</tr>
<tr>
<td>12:20pm - 1:50pm</td>
<td>PRESIDENT’S SESSION</td>
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<tr>
<td>1:55pm - 2:55pm</td>
<td>AVF MEMBER BUSINESS MEETING</td>
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<tr>
<td>3:00pm - 3:30pm</td>
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**SATURDAY, MARCH 20**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>9:30am - 9:55am</td>
<td>LIVE NETWORKING: Meet the Experts in the Exhibit Hall</td>
</tr>
<tr>
<td>10:00am - 11:00am</td>
<td>VILLAVICENCIO SYMPOSIUM</td>
</tr>
<tr>
<td>11:05am - 11:50am</td>
<td>SCIENTIFIC SESSION 5: Superficial Venous Disease</td>
</tr>
<tr>
<td>11:50am - 12:05pm</td>
<td>INDUSTRY SYMPOSIA G</td>
</tr>
<tr>
<td>12:10pm - 12:40pm</td>
<td>SCIENTIFIC SESSION 6: Lymphedema &amp; Contemporary Venous Care</td>
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<td>12:45pm - 1:30pm</td>
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All times are Eastern Daylight Time (UTC-4)
ACTIVITIES & SESSIONS YOU WON’T WANT TO MISS

WEDNESDAY, MARCH 17TH

9:30am  LIVE: Coffee Connections - Bring a cup of your favorite beverage, reunite with friends & colleagues and meet new ones.
10:00am  COVID Session featuring Dr. Geno Merli
11:15am  SIGVARIS Symposia
12:30pm  Top Abstracts & Late-Breaking Trials
1:50pm  Cook Medical Symposia

THURSDAY, MARCH 18TH

9:30am  LIVE: Meet the Exhibitors - A whirlwind tour of the exhibit hall featuring 1-minute introductions from each sponsor.
10:00am  Sumner Session - State of the AVF
12:40pm  Boston Scientific Symposia
1:15pm  International Session
2:50pm  BD Symposia

FRIDAY, MARCH 19TH

9:30am  LIVE: Coffee Connections - Bring a cup of your favorite beverage, reunite with friends & colleagues and meet new ones.
11:05am  Strandness Keynote featuring Professor Andrew Bradbury
11:45am  Medtronic Symposia
12:20pm  President’s Session
3:00pm  Boston Scientific Symposia
7:00pm  Remember the Alamo: Drinks-Dress-Drama (included with every VENOUS2021 registration)

SATURDAY, MARCH 20TH

9:30am  LIVE: Meet the Experts - Explore special presentations and demonstrations with sponsors in the exhibit hall.
11:50am  European Venous Forum Session
12:10pm  Inari Symposia
12:45pm  SVM Session
1:35pm  SVS/VQI Session
2:25pm  AVLS Session
MARCH 17-20, 2021 (EDT/UTC-4)
FACULTY LIST

Steven Abramowitz, MedStar Washington Hospital Center/Georgetown University Hospital, Washington
Ahmad Alsheekh, Total Vascular Care, Brooklyn, New York
Miguel Amore, Military Hospital, Buenos Aires, Argentina
Diana Atashroo, Stanford University, Redwood City, California
Robert Attaran, Yale - New Haven Medical Center, Guilford, Connecticut
Christopher Audu, Vascular Surgery/ University of Michigan, Ann Arbor, Michigan
Efthymios “Makis” Avgerinos, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania
Faisal Aziz, Penn State University, Hummelstown, Pennsylvania
Geoff Barnes, University of Michigan, Ann Arbor, Michigan
Ugur Bengisun, Ankara University, Ankara, Turkey
Patrick Beyer, Naval Medical Center Portsmouth, Portsmouth, Virginia
Stephen Black, Guy's and St Thomas' NHS Foundation Trust and King's College London, London, United Kingdom
John Blebea, Central Michigan University, Saginaw, Michigan
Andrew Bradbury, West Midland Vascular Ltd., Lapworth, United Kingdom
Anand Brahmandam, Yale University School of Medicine, New Haven, Connecticut
Kellie Brown, Medical College of Wisconsin, Milwaukee, Wisconsin
Ruth Bush, University of Houston College of Medicine, Houston, Texas
Joseph Caprini, University of Chicago Pritzker School of Medicine, Northbrook, Illinois
Linda Cardoso, Universidad de los Andes, Bogota, Colombia
Ana Casanegra, Mayo Clinic, Rochester, Minnesota
Shin Mei Chan, Yale University School of Medicine, New Haven, Connecticut
Vishnu Chandra, University of Virginia Health, Charlottesville, Virginia
John Charitable, NYU Langone Health, Brooklyn, New York
Sebastian Cifuentes, Universidad de los Andes, Bogota, Colombia
Rafael Cires-Drouet, University of Maryland, Baltimore, Maryland
Anthony Comerota, Inova Heart and Vascular Institute, Alexandria, Virginia
Zafer Coskun, Univesite of Health Sciences Istanbul, Istanbul, Turkey
Michael Dalsing, Indiana University Medical School, Indianapolis, Indiana
Alan Dardik, Yale University School of Medicine, New Haven, Connecticut
Steven Dean, The Ohio State University, Columbus, Ohio
Kush Desai, Northwestern University Feinberg School of Medicine, Chicago, Illinois
Jose Diaz, Vanderbilt University Medical Center, Nashville, Tennessee
Ellen Dillavou, Duke University Medical Center, Chapel Hill, North Carolina
Steve Elias, Englewood Hospital & Medical Center, Englewood, New Jersey
Mary Farrell, Intersocietal Accreditation Commission, Ellicott City, Maryland
Valentin Figueroa, Universidad de los Andes, Bogota, Colombia
John Fish, Jobst Vascular Institute, Perrysburg, Ohio
John Forbes, American Venous Forum, Chicago, Illinois
Camila Franco Mesa, Mayo Clinic, Jacksonville, Florida
Eri Fukaya, Stanford University, Stanford, California
Mark Garcia, Endovascular Consultants, Greenville, Delaware
Antonios Gasparis, Stony Brook University Medical Center, Stony Brook, New York
Kathleen Gibson, Lake Washington Vascular Surgeons, Kirkland, Washington
Manjit Gohel, Consultant Vascular & Endovascular Surgeon, United Kingdom
Alejandro Gonzalez-Ochoa, Instituto Mexicano Seguro social, San Luis R.C, Mexico
MARCH 17-20, 2021 (EDT/UTC-4)
FACULTY LIST
Continued

David Gordon, University of Michigan, Ann Arbor, Michigan
Anthony Grieff, Rutgers Robert Wood Johnson, New Brunswick, New Jersey
Edgar Guzman, Orlando Health Heart and Vascular Institute, Winter Park, Florida
Adam Gwozdz, King’s College London, London, United Kingdom
Eric Hager, University of Pittsburgh Medical Center, Glenshaw, Pennsylvania
Ulf Hedlin, Karolinska Institutet, Stockholm, Sweden
Dominik Heim, EVF, Frutigen, Switzerland
Mark Iafrati, Tufts Medical Center, Boston, Massachusetts
Wissam Jaber, Emory University, Atlanta, Georgia
Aleksandra Jaworucka-Kaczorowska, Center of Phlebology and Aesthetic Medicine, Jaworucy Surgery Center, Janczewo, Poland
Arjun Jayaraj, THE RANE Center at St Dominic Hospital, Flowood, Mississippi
Lowell Kabnick, Kabnick Vein Center, Far Hills, New Jersey
Stavros Kakkos, University of Patras, Greece
Yogendra Kanthi, University of Michigan, Ann Arbor, Michigan
Roxana Katsini, Hospital Italiano de Buenos Aires - Sector Flebología y Linfología, Buenos Aires, Argentina
Neil Khilnani, Weill Cornell Medicine- New York Presbyterian Hospital, New York, New York
Andrei Kindzeliski, NIH-NHLBI-Division of Blood Diseases & Resources, Potomac, Maryland
Angela Kokkosis, Stony Brook University Medical Center, Stony Brook, New York
Brajesh Lal, University of Maryland School of Medicine, Ellicott City, Maryland
Peter Lawrence, UCLA Gonda Vascular Center, San Marino, California
Kirill Lobastov, Pirogov Russian National Research Medical University, Moscow, Russian Federation
Joann Lohr, William Jennings Bryan Dorn VA Medical Center, Columbia, South Carolina
Fedor Lurie, Jobst Vascular Institute, Perrysburg, Ohio
Allison Mackenzie, Tufts Medical Center, Medford, Massachusetts
William Marston, University of North Carolina, Chapel Hill, North Carolina
Elna Masuda, Straub Medical Center/ Hawaii Pacific Health, Honolulu, Hawaii
John Matson, University of Virginia Health, Charlottesville, Virginia
Mark Meissner, University of Washington Medical Center, Seattle, Washington
Geno Merli, Thomas Jefferson University Hospital, Sewell, New Jersey
Rachael Morris, King’s College London, London, United Kingdom
Patrick Muck, TriHealth-Good Samaritan Hospital, Cincinnati, Ohio
Neelam Muljii, Prisma Health/University of South Carolina, Columbia, South Carolina
Takaya Murayama, Kannai Medical Clinic, Yokohama, Japan
Erin Murphy, Sanger Heart & Vascular Institute, Charlotte, North Carolina
Evan Neville, Trihealth - Good Samaritan Hospital, Cincinnati, Ohio
Andrea Obi, University of Michigan, Ann Arbor, Michigan
Thomas O’Donnell, Tufts Medical Center, Boston, Massachusetts
Drew Oostra, Jobst Vascular Institute, Perrysburg, Ohio
Alvaro Orrego, University of San Salvador, Santiago, Chile
Nicholas Osborne, University of Michigan, Canton, Michigan
Kathleen Ozsvath, Vascular Associates, St Peters Health Partners, Loudonville, New York
Peter Pappas, Center for Vascular Medicine, Greenbelt, Maryland
Sameer Parpia, McMaster University, Etobicoke, Canada
Marc Passman, University of Alabama at Birmingham, Birmingham, Alabama
Matthew Pergamo, New York University Langone Health, New York City, New York
Paula Pinto, Universidad de los Andes, Bogota, Colombia
Alejandro Pizano, Department of Cardiothoracic and Vascular Surgery, McGovern Medical School, Houston, Texas
Anna Pouncey, Guy's and St Thomas' NHS Foundation Trust and King's College London, London, United Kingdom
Lori Pounds, UT Health San Antonio, Boerne, Texas
Alessandra Puggioni, Yourveins of AZ, Scottsdale, Arizona
Chris Ragg, Angioclinic Vein Centers Germany, Berlin, Germany
Julio Ramos, Vascular Surgery Department at Mount Sinai Hospital, New York, New York
Mahmood Razavi, St Joseph, Orange, California
Brent Robertson, TriHealth -Good Samaritan Hospital, Cincinnati, Ohio
Stanley Rockson, Stanford University, Palo Alto, California
Fanny Rodriguez Santos, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina
Ulka Sachdev-Ost, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania
Mike Sadek, New York University Langone Health, Bronxville, New York
Naoki Sakakibara, Edogawa Hospital, Tokyo, Japan
Gloria Salazar, Massachusetts General Hospital - Harvard Medical School, Chestnut Hill, Massachusetts
Taimur Saleem, The RANE Center at St Dominic Hospital, Brandon, Mississippi
Hanna Sams, Prisma Health/University of South Carolina, Columbia, South Carolina
Maria Santa Cruz, Total Vascular Care, Brooklyn, New York
Adrian Santini, Charleston Area Medical Center, Integrated Vascular Surgery, Charleston, West Virginia
Maxim Shydyakov, Central Michigan University, Midland, Michigan
Evgeny Shydyakov, Petro Stat University Hospital Surgery Clinic, St. Petersburg, Russian Federation
William Sherk, University of Michigan, Ann Arbor, Michigan
Maria Smetanova, Institute of Chemical Biology and Fundamental Medicine (ICBFM) SB RAS, Russian Federation
Kirolos Sourial, University Hospitals Cleveland Medical Center, Cleveland, Ohio
Giancarlo Speranza, New York University Grossman School of Medicine, New York, New York
Marcus Stanbro, Prisma Health/Upstate Center for Vein and Lymphatic Medicine, Simpsonville, South Carolina
Julianne Stoughton, Mass General Hospital/ Harvard Medical School, Andover, Massachusetts
Roman Tauraginskii, International Institution of Health Care and Additional Education Research Institute of Clinical Medicine, Surgut, Russian Federation
Clinton Timmerman, RowanSOM, Huntington Beach, California
Preston Tolbert, University of Texas Health Science Center at San Antonio, San Antonio, Texas
Lillian Tran, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania
Thomas Tu, Inari Medical, Irvine, California
Jorge Ulloa, Fundacion Santa Fe, Colombia
Suresh Vedantham, Washington University in St. Louis, Clayton, Missouri
Gennady Vulakh, Total Vascular Care, Brooklyn, New York
Andy Wang, Lahey Hospital & Medical Center, Burlington, Massachusetts
Harold Welch, Lahey Clinic, Boston, Massachusetts
Ronald Winokur, Thomas Jefferson University Hospital, Penn Valley, Pennsylvania
Matthew Wise, Center for Vascular Medicine, Greenbelt, Maryland
David Wright, USA Therm, United Kingdom
Candance Wulff, Prisma Health/University of South Carolina, Columbia, South Carolina
Mitumi Yamashita, Murayama Clinic, Yokohama, Japan
Qi Yan, UT Health San Antonio, San Antonio, Texas
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.

PHYSICIANS (ACCME)

WEDNESDAY, MARCH 17—DAY OF SCIENCE

Amedco LLC designates this live activity for a maximum of 3.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Amedco LLC designates this enduring activity for a maximum of 3.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

MARCH 17-20—ANNUAL MEETING

Amedco LLC designates this live activity for a maximum of 13.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Amedco LLC designates this enduring activity for a maximum of 16.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
ON-DEMAND ACCESS
Recorded Sessions, CME, Symposia, Exhibit Hall and Conference Functionalities

ABSTRACT PRESENTATIONS
Groundbreaking Research from Around the Globe

POSTER PRESENTATIONS
Pre-Recorded for Viewing Anytime

AMA PRA CATEGORY 1
Enduring Credits Available

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

INDUSTRY SYMPOSIA
Featuring Latest Technologies and Clinical Data

LIVE EDUCATIONAL CONTENT
Pre-Recorded for Viewing Anytime

FEATURED EDUCATIONAL SESSIONS
World’s Leading Experts in Venous and Lymphatic Disease

POSTER PRESENTATIONS
EVF, SVM, SVS/VQI, and AVLS

KEYNOTE SPEAKERS
Pre-Recorded for Viewing Anytime

GALA CELEBRATION
“Remember The Alamo” Drinks, Dress & Drama

www.VENOUS2021.org
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.

WEDNESDAY, MARCH 17, 2021, 1:50-2:20PM – COOK MEDICAL
Zilver 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.
Remember the Alamo

Friday, March 19
7:00pm ET

Music  Socializing  Magic  Awards  Games

VENOUS 2021
AMERICAN VENOUS FORUM
Thank you INDUSTRY EXHIBITORS

angiodynamics
AMERICAN VEIN & LYMPHATIC SOCIETY
BD
Boston Scientific
Advancing science for life™
COOK MEDICAL
GORE
Creative Technologies Worldwide
INARI MEDICAL
Johnson & Johnson
Juzo
Medtronic
Penumbra
PHILIPS
SIGVARIS GROUP
SVS | VQI
In collaboration with NCDR®
Tactile MEDICAL
Vesper Medical
VETEX medical
ReVene
Walk Vascular
Thrombectomy Catheter
# DAY OF SCIENCE

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9:30 am – 9:48 am</td>
<td>LIVE NETWORKING: Morning Coffee Connection - Come See New and Old Friends</td>
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<tr>
<td>9:50 am</td>
<td>President’s Welcome <strong>Harold Welch</strong></td>
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<tr>
<td>10:00 am – 11:10 am</td>
<td><strong>Scientific Session 1 - COVID-19 and Venous Disease</strong>&lt;br&gt;<strong>Moderators: Harold Welch, Kathleen Ozsvath</strong></td>
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<tr>
<td>10:00 am</td>
<td><strong>Introduction</strong></td>
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<td>10:01 am</td>
<td>(AVF5) COVID-19 Pandemic: Can We Adapt a System-wide Warfarin Monitoring Program and Maintain Safety&lt;br&gt;<strong>Kirolos Sourial, Theresa Kearns, Teresa Carman</strong>&lt;br&gt;University Hospitals Cleveland Medical Center, Cleveland, OH, USA</td>
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<td>10:07 am</td>
<td>(AVF6) Sulodexide in the Treatment of Early Stages of COVID-19&lt;br&gt;<strong>Alejandro Gonzalez-Ochoa</strong>&lt;br&gt;1Instituto Mexicano Seguro social HGZ#12, San Luis R.C, Mexico, 2Clinemed, San Luis R.C, Mexico, 3Boston University, School Medicine, Boston, MA, USA</td>
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<td>10:13 am</td>
<td>(AVF7) Higher Incidence Of Deep Venous Thrombosis and Pulmonary Emboli Among Coronavirus Disease 2019 (COVID-19) Positive Patients: A Multi-Site Healthcare System Experience&lt;br&gt;<strong>Camila Franco Mesa</strong>, Young Erben1, Michelle Lin1, Andrew Meltzer2, Melanie Greenway1, Osman Hamid1, Zlatko Devcic, Beau Toskich1, Houssam Farres1, Manju Kalra1, Thomas Bower, Randall De Martino, Jason Siegel1, Albert Hakaim, Devang Sanghavi1, Yupeng Li2, Candido Rivera1, Pablo Moreno-Franco1, Josephine Huang1, James Meschia1&lt;br&gt;1Mayo Clinic Florida, Jacksonville, FL, USA, 2Mayo Clinic, Phoenix, AZ, USA, 3Mayo Clinic Minnesota, Rochester, MN, USA, 4Rowan University, Glassboro, NJ, USA</td>
</tr>
<tr>
<td>10:19 am</td>
<td>(AVF8) COVID-19 and the Vascular Lab: Decreasing Exposure Risk&lt;br&gt;<strong>Steve Elias, Sam Elias</strong>&lt;br&gt;Englewood Health Network, Englewood, NJ, USA</td>
</tr>
<tr>
<td>10:25 am</td>
<td>(AVF9) COVID-19 Patient Presenting with Symptomatic Iliocaval Thrombus: A Case Report&lt;br&gt;<strong>Clinton Timmerman</strong>&lt;br&gt;1Atlanticare Regional Medical Center, Atlantic City, NJ, USA, 2RowanSOM, Stratford, NJ, USA</td>
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<tr>
<td>10:31 am</td>
<td>LIVE Q&amp;A</td>
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<tr>
<td>10:40 am</td>
<td>(AVF10) <strong>INVITED SPEAKER</strong> Thrombosis in the COVID-19 Population: Acute and Extended Risk&lt;br&gt;<strong>Geno Merli</strong>, Jefferson University</td>
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<tr>
<td>10:58 am</td>
<td>LIVE Q&amp;A</td>
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<tr>
<td>11:10 am – 11:15 am</td>
<td>BREAK</td>
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<tr>
<td>11:15 am – 11:45 am</td>
<td>Industry Symposia</td>
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</tbody>
</table>
### DAY OF SCIENCE

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Moderators/Participants</th>
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<tbody>
<tr>
<td>11:15 am</td>
<td>Basic Science Abstracts</td>
<td>Jose Diaz, Kathleen Ozsvath, Fedor Lurie</td>
</tr>
<tr>
<td>11:15 am</td>
<td>Introduction</td>
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</tbody>
</table>
| 11:17 am   | (AVF1) First Experience Of Using Russian Sulfacrylate Glue Clinical and Morphological Study (In Vivo) | Evgeny Shaydakov, II, Vladimir Sannikov, II, Vladimir Emelynenko, II, Tatyana Tolstikova, II  
1Peter State University, Petrozavodsk, Russian Federation, 2Medical Center “Palitra”, Vladimir, Russian Federation, 3Novosibirsk Institute of Organic chemistry, Novosibirsk, Russian Federation |
| 11:23 am   | (AVF2) Genetic Factors Leading to Recurrent Varicose Veins after Surgical Treatment       | Mariya Smetanina, Valeria Korolenya, Nikita Ershov, Magomed Arslanbekov, Igor Zolotukhin, Maxim Filipenko  
1Institute of Chemical Biology and Fundamental Medicine, Novosibirsk, Russian Federation, 2Novosibirsk State University, Novosibirsk, Russian Federation, 3Institute of Cytology and Genetics, Novosibirsk, Russian Federation, 4Pirogov 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 Obi, David Williams, Veronica Dunivant, Laura Durham, Andrea Poli, Nathan Weidenhamer, Patrick Lester, Thomas Wakefield, Daniel Myers  
1University of Michigan, Ann Arbor, MI, USA, 2Medtronic, Minneapolis, MN, USA |
| 11:47 am   | LIVE Q&A                                           |                                                                                         |
| 11:55 am   | BREAK                                              |                                                                                         |
| 12:00 pm   | COVID-19 Lessons Learned from the Pandemic         | Fedor Lurie, Elna Masuda, Jose Diaz                                                     |
| 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                                                                         |
| 12:32 pm   | LIVE Q&A                                           |                                                                                         |
| 12:45 am   | BREAK                                              |                                                                                         |
### DAY OF SCIENCE

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

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Moderators/ Speakers</th>
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<tbody>
<tr>
<td>12:50 pm</td>
<td>Latest Innovations in the Treatment of Venous Disease and VTE Research Priorities</td>
<td>Joe Diaz, Ellen Dillavou, Fedor Lurie</td>
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<tr>
<td>12:50 pm</td>
<td>Vein Valve Development – What are the Current Challenges? Steve Elias</td>
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<tr>
<td>1:00 pm</td>
<td>Venous Stenting What is Next in Development and Improvement</td>
<td>Sara Sherman’s</td>
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<tr>
<td>1:10 pm</td>
<td>Thrombus Removal Devices – What are the Current Challenges? Thomas Tu</td>
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<tr>
<td>1:20 pm</td>
<td>Venous Thromboembolism Research Priorities: A Scientific Statement from the AHA and the ISTH Geoff Barnes</td>
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<tr>
<td>1:28 pm</td>
<td>LIVE Q&amp;A</td>
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<td>1:45 pm</td>
<td>BREAK</td>
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<tr>
<td>1:50 pm</td>
<td>Writing and Reviewing a Scientific Manuscript - JVS</td>
<td>Jose Diaz, Ulka Sachdev-Ost</td>
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<td>1:50 pm</td>
<td>How to Write a Scientific Manuscript Alan Dardik</td>
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<td>2:00 pm</td>
<td>How to Be a Great Reviewer Ulf Hedin</td>
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<tr>
<td>2:10 pm</td>
<td>JVS – Early Career Reviewer Program Ulka Sachdev-Ost</td>
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<tr>
<td>2:20 pm</td>
<td>LIVE Q&amp;A</td>
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<td>2:35 pm</td>
<td>BREAK</td>
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<tr>
<td>2:40 pm</td>
<td>Clinical Trials Design - Results - Conclusion: Day of Science + Research Committee</td>
<td>Fedor Lurie, Jose Diaz, Maxim Shaydakov</td>
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<tr>
<td>2:40 pm</td>
<td>How to Do It: Hypothesis and Challenges Suresh Vedantham</td>
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<tr>
<td>2:50 pm</td>
<td>Sample Size and Statistics Sameer Parpia</td>
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<tr>
<td>3:00 pm</td>
<td>The Value of Industry: The Good Guys or the Bad Guys in Clinical Trials Mark Garcia</td>
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<td>3:10 pm</td>
<td>Understanding the Review Process. The NIH Vision Andrei Kindzelski</td>
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<tr>
<td>3:19 pm</td>
<td>LIVE Q&amp;A</td>
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<tr>
<td>3:35 pm</td>
<td>LIVE Final Remarks: Fedor Lurie, Jose Diaz</td>
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</tbody>
</table>
## DAY OF SCIENCE

### WEDNESDAY, MARCH 17, 2021

- **11:15 am – 11:45 am**
  - SIGVARIS

- **1:50 pm – 2:20 pm**
  - COOK

### THURSDAY, MARCH 18, 2021

- **12:40 pm – 1:10 pm**
  - Boston Scientific

- **2:50 pm – 3:20 pm**
  - BD

### FRIDAY, MARCH 19, 2021

- **11:45 am – 12:15 pm**
  - Medtronic

- **3:00 pm – 3:30 pm**
  - Boston Scientific

### SATURDAY, MARCH 20, 2021

- **12:10 pm – 12:40 pm**
  - INARI
WEDNESDAY, MARCH 17, 2021 (EDT/UTC-4)

9:30am – 9:48am  LIVE NETWORKING: Morning Coffee Connection - Come See New and Old Friends

9:50am  President’s Welcome  Harold Welch

10:00am – 11:10am  Scientific Session 1 - COVID-19 and Venous Disease
Moderators: Harold Welch, Kathleen Ozsvath

10:00am  Introduction

10:01am  (AVF5) COVID-19 Pandemic: Can We Adapt a System-wide Warfarin Monitoring Program and Maintain Safety
Kirolos Sourial, Theresa Kearns, Teresa Carman
University Hospitals Cleveland Medical Center, Cleveland, OH, USA

10:07am  (AVF6) Sulodexide in the Treatment of Early Stages of COVID-19
Alejandro Gonzalez-Ochoa1,2, Ana Hernandez2, Joseph Raffetto3
1Instituto Mexicano Seguro social HGZ#12, San Luis R.C, Mexico, 2Clinedem, San Luis R.C, Mexico, 3Boston University, School Medicine, Boston, MA, USA

Camila Franco1, Young Erben1, Michelle Lin1, Andrew Meltzer2, Melanie Greenway1, Osman Hamid1, Zlatko Devcic1, Beau Toskich1, Houssam Farres1, Manju Kalra1, Thomas Bower1, Randall De Martino3, Jason Siegel1, Albert Hakaim1, Devang Sanghavi1, Yupeng Li4, Candido Rivera1, Pablo Moreno-Franco1, Josephine Huang1, James Meschia1
1Mayo Clinic Florida, Jacksonville, FL, USA, 2Mayo Clinic, Phoenix, AZ, USA, 3Mayo Clinic Minnesota, Rochester, MN, USA, 4Rowan University, Glassboro, NJ, USA

10:19am  (AVF8) COVID-19 and the Vascular Lab: Decreasing Exposure Risk
Steve Elias, Sam Elias
Englewood Health Network, Englewood, NJ, USA

10:25am  (AVF9) COVID-19 Patient Presenting with Symptomatic Iliocaval Thrombus: A Case Report
Clinton Timmerman1,2, Arthelma Tyson1
1Atlanticare Regional Medical Center, Atlantic City, NJ, USA, 2RowanSOM, Stratford, NJ, USA

10:31am  LIVE Q&A

10:40am  (AVF10) INVITED SPEAKER Thrombosis in the COVID-19 Population: Acute and Extended Risk Geno Merli, Jefferson University

10:58am  LIVE Q&A

11:00am – 11:15am  BREAK

11:15am – 11:45am  Industry Symposia

11:45am – 11:50am  BREAK
## ANNUAL MEETING

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>11:50 am</td>
<td><strong>Scientific Session 2 - Quick Shots</strong></td>
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<tr>
<td></td>
<td><strong>Moderators: Faisal Aziz, Andrea Obi</strong></td>
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<tr>
<td>11:50 am</td>
<td>Introduction</td>
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<tr>
<td>11:51 am</td>
<td>(AVF11) An Underconsidered Cause of Central Venous Occlusion</td>
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<td></td>
<td><em>Neelam Muljii</em>, <em>Joann Lohr</em>, <em>Jonathan Sexton</em>, <em>Fonda Wilkins</em></td>
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<td></td>
<td>¹Prisma Health/University of South Carolina, Columbia, SC, USA, ²William Jennings</td>
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<td></td>
<td>Bryan Dorn VA Medical Center, Columbia, SC, USA</td>
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<tr>
<td>11:54 am</td>
<td>(AVF12) Initial Experience with Inari Thrombectomy Systems for Single-Session Suction Thrombectomy of Iliocaval Thrombus</td>
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<td><em>Vishnu Chandra</em>, <em>David Dwyer</em>, <em>Rehan Quadri</em>, <em>Aditya Sharma</em>, <em>Minhaj Khaja</em>,</td>
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<td><em>John Matson</em> University of Virginia Health, Charlottesville, VA, USA</td>
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<tr>
<td>11:57 pm</td>
<td>(AVF13) Use of Dual Antiplatelet Therapy Plus Anticoagulation Following Iliocaval and Iliofemoral Recanalization in Patients with Recurrent Stent Thrombosis</td>
</tr>
<tr>
<td></td>
<td><em>John Matson</em>, <em>Randy Ramcharitar</em>, <em>Aditya Sharma</em>, <em>John Angle</em>, <em>Minhajuddin Khaja</em></td>
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<td></td>
<td>University of Virginia Health, Charlottesville, VA, USA</td>
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<td>12:00 pm</td>
<td>(AVF14) Quality and Educational Value of Procedural Videos for DVT lysis In the Public Domain</td>
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<td><em>Qi Yan</em>, <em>Mark Davies</em>, UT Health San Antonio, San Antonio, TX, USA</td>
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<tr>
<td>12:03 pm</td>
<td>(AVF15) Venous Stenting versus Venous Ablation</td>
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<td></td>
<td><em>Ahmad Alsheekh</em>, <em>Pavel Kibrik</em>, <em>Natalie Marks</em>, <em>Anil Hingorani</em>, <em>Enrico Ascher</em></td>
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<td>Total Vascular Care, Brooklyn, NY, USA</td>
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<tr>
<td>12:06 pm</td>
<td>(AVF16) Common Iliac Vein Stenting for May-Thurner Syndrome and Subsequent Pregnancy: Patency and Outcomes</td>
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<td></td>
<td><em>Giancarlo Speranza</em>, <em>Mikel Sadek</em>, <em>Karan Garg</em>, <em>Todd Berland</em>, <em>Michael Barfield</em>, <em>Caron Rockman</em>, <em>Neal Cayne</em>, <em>Thomas Maldonado</em>, <em>Glenn Jacobowitz</em></td>
</tr>
<tr>
<td></td>
<td>¹New York University Grossman School of Medicine, New York, NY, USA, ²New York University Langone Health, New York, NY, USA</td>
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<tr>
<td>12:09 pm</td>
<td>(AVF17) Endovascular Treatment of Renal Vein Thrombosis in a Young Patient with Lung Transplant</td>
</tr>
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<td><em>Anand Brahmandam</em>, <em>Alfred Lee</em>, <em>Cassius iyad Ochoa Chaar</em></td>
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<td>Yale University School of Medicine, New Haven, CT, USA</td>
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<tr>
<td>12:12 pm</td>
<td>(AVF18) Anticoagulation Management of DVT in Pregnancy: Anti-Xa Levels Matter</td>
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<td><em>Joann Lohr</em>, <em>Joseph Caprini</em>, <em>Fonda Wilkins</em></td>
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<td>¹William Jennings, Bryan Dorn VA Medical Center, Columbia, SC, USA, ²Pritzker School of Medicine at the University of Chicago, Chicago, IL, USA</td>
</tr>
<tr>
<td>12:15 pm</td>
<td>(AVF19) Remember the Skin Biopsy!!! In The Differential Diagnosis of Warfarin-induced Skin Necrosis vs Calciphylaxis: Histopathology is King</td>
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<td><em>Candance Wulff</em>, <em>Joann Lohr</em>, <em>Jenna Wilkening</em>, <em>Fonda Wilkins</em></td>
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<td>¹Prisma Health/University of South Carolina, Columbia, SC, USA, ²William Jennings</td>
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<td></td>
<td>Bryan Dorn VA Medical Center, Columbia, SC, USA, ³Trihealth, Cincinnati, OH, USA</td>
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<tr>
<td>Time</td>
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| 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 Iafrati, 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  
Moderators: Angela Kokkosis, Edgar Guzman |
| 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 Clotriever 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  
¹Inova Alexandria Hospital, Alexandria, VA, USA, ²Stanford University, Stanford, CA, USA, ³Cook 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 |
| 1:29 pm| LIVE Q&A                                                                 |
| 1:45 pm – 1:50 pm | BREAK                                                                       |
| 1:50 pm – 2:20 pm | Industry Symposia                                                           |
**THURSDAY, MARCH 18, 2021 (EDT/UTC-4)**

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<tr>
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<tbody>
<tr>
<td>9:30am – 9:55am</td>
<td>LIVE NETWORKING: Meet the Exhibitors - Get a Live Tour of the Exhibit Hall</td>
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</tbody>
</table>
| 10:00 am – 11:30 am | **Sumner Session: The State of the AVF - The Future is Bright**  
  *Moderator: Antonios Gasparis*  
  - 10:00 am Introduction  
  - 10:05 am In Pursuit of the AVF Mission  
  - 10:15 am Venous Education Series  
  - 10:25 am Publications and Patient Education  
  - 10:33 am AVF Communications  
  - 10:40 am Guidelines of the American Venous Forum  
  - 10:45 am International Ambassador Program  
  - 10:50 am Focused Practice Designation  
  - 11:00 am Venous Advisory Council  
  - 11:10 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*, *Sanjiv Lakanpal*, *Levan Sulakvelidze*, *Maxwell Tran*, *Arjun Shetty*, *Rick Kennedy*,  
  Center for Vascular Medicine, Greenbelt, MD, USA,  
  Center 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 Chan*, *Anand Brahmandam*, *Marcus Aspegren-Valcarce*, *Haoran Zhuo*, *Yawei Zhang*, *Britt Tonnessen*, *Alfred Lee*, *Cassius Iyad Ochoa Chaar*  
  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
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<tr>
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<tbody>
<tr>
<td>12:00 pm</td>
<td>(AVF33) Human Vein In-stent Restenosis: A Clinic-Pathologic Study</td>
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<td><strong>David Gordon</strong>, <strong>David Williams</strong>, <strong>John Nicklas</strong></td>
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<td>¹University of Michigan, Ann Arbor, MI, USA, ²Brown University Medical School (Warren Alpert Medical School), Providence, RI, USA</td>
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<td>12:06 pm</td>
<td>(AVF34) Intravascular Ultrasound Improves Short-term Patency of Venous Stenting Interventions</td>
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<td><strong>Lillian Tran</strong>, <strong>Catherine Go</strong>, <strong>Mohamed Zaghoul</strong>, <strong>Othman Abdul Malak</strong>, <strong>Eric Hager</strong>, <strong>Mohammad Eslami</strong>, <strong>Rabih Chaer</strong>, <strong>Efthymios Avgerinos</strong>, University of Pittsburgh Medical Center, Pittsburgh, PA, USA</td>
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<tr>
<td>12:12 pm</td>
<td>LIVE Q&amp;A</td>
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<td>12:35 pm – 12:40 pm</td>
<td>BREAK</td>
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<td>12:40 pm – 1:10 pm</td>
<td>Industry Symposia</td>
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<td>1:15 pm – 2:45 pm</td>
<td>International Session: Sharing Excellence in Global Venous Science</td>
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<td><strong>Moderators: Lowell Kabnick, Jorge Ulloa</strong></td>
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<td>1:16 pm</td>
<td>(AVF35) The Change of Venous Wall Tension During Prolonged Load of Physiologic Hydrostatic Pressure - A Pilot Ex-Vivo Study</td>
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<td><strong>Roman Tauraginskii</strong>, <strong>Fedor Lurie</strong>, <strong>Rishal Agalarov</strong>, <strong>Nikita Kravchenko</strong>, <strong>Denis Borsuk</strong></td>
</tr>
<tr>
<td></td>
<td>¹International Institution of Health Care and Additional Education Research Institute of Clinical Medicine, Irkutsk, Russian Federation, ²LLC Vein center “Antireflux”, Surgut, Russian Federation, ³Jobst Vascular Institute, Toledo, OH, USA, ⁴University of Michigan, Ann Arbor, MI, USA, ⁵“County Cardiology Dispanser” Center for Diagnostic and Cardiovascular surgery, Surgut, Russian Federation, ⁶The Clinic of Phlebology and laser surgery “Vasculab” Ltd., Chelyabinsk, Russian Federation</td>
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<td>1:22 pm</td>
<td>(AVF36) Investigating a Role for Platelets in Venous In-Stent Stenosis in Patients with Post-Thrombotic Syndrome</td>
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<tr>
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<td>¹Guy’s and St Thomas’ NHS Foundation Trust and King’s College London, London, United Kingdom, ²University of Reading, Reading, United Kingdom, ³The Hospital for Sick Children and University of Toronto, Toronto, ON, Canada</td>
</tr>
<tr>
<td>1:28 pm</td>
<td>(AVF37) A Comparison of Open vs Closed Cell Dedicated Venous Stents for Treatment of Chronic Iliofemoral Venous Outflow Obstruction</td>
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<tr>
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<td>¹King’s College London, London, United Kingdom, ²St Thomas’ Hospital, London, United Kingdom</td>
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<tr>
<td>1:34 pm</td>
<td>(AVF38) Serious and Uncommon Complications of Sclerotherapy</td>
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<td><strong>Jorge Ulloa</strong>, <strong>Sebastian Cifuentes</strong>, Valentina Sierra Universidad de los Andes, Fundacion Santa Fe, Bogota, Colombia</td>
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<tr>
<td>1:40 pm</td>
<td>(AVF39) Endovenous Laser Ablation (EVLA) with Simultaneous Sclerotherapy as a Comprehensive Approach to the Treatment of Superficial Venous Incompetence</td>
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<tr>
<td>1:45 pm</td>
<td>LIVE Q&amp;A</td>
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<tr>
<td>2:05 pm</td>
<td>(AVF40) Caprini Score In Venous Surgery: First Results From an Ongoing Registry Study</td>
</tr>
<tr>
<td>2:11 pm</td>
<td>(AVF41) PVP is Effective and Safe to Restore Valve Function, Best Suitable for Early Stages of Pressure-Induced Valve Decompensation</td>
</tr>
<tr>
<td>2:17 pm</td>
<td>(AVF42) EVF PRIZE WINNER: Quantitative and Structural Characteristics of Mitochondrial DNA in Varicose Veins</td>
</tr>
<tr>
<td>2:23 pm</td>
<td>(AVF43) EVF PRIZE WINNER: Cost Utility Analysis of Modalities of Treatment for Iliofemoral Deep Venous Thrombosis in the United Kingdom</td>
</tr>
<tr>
<td>2:29 pm</td>
<td>LIVE Q&amp;A</td>
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<tr>
<td>2:45 pm – 2:50 pm</td>
<td>BREAK</td>
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<tr>
<td>2:50 pm – 3:20 pm</td>
<td>Industry Symposia</td>
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</table>
### FRIDAY, MARCH 19, 2021 (EDT/UTC-4)

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 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 Mackenzie**\(^1\), Harold Waller\(^1\), Juliane Stoughton\(^2\)  
  \(^1\)Tufts University, Medford, MA, USA, \(^2\)Massachusetts General Hospital, Boston, MA, USA |
| 10:07 am | (AVF45) Pregnancy After Iliac Vein Stenting for Pelvic Venous Insufficiency  
  **Matthew Wise**\(^1,2\), Gaurav Lakhanpal\(^1\), Theresa Soto\(^1,2\), Zoe Deol\(^1,2\), Rick Kennedy\(^1\), Sanjiv Lakhanpal\(^1,2\), Peter Pappas\(^1,2\)  
  \(^1\)Center for Vascular Medicine, Greenbelt, MD, USA, \(^2\)Center for Vein Restoration, Greenbelt, MD, USA |
| 10:13 am | (AVF46) Technical Considerations of Iliocaval Venous Anomalies During Vein Stenting  
  **Julio Ramos**, Akila Pai, Harbert 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**                           |
FRIDAY, MARCH 19, 2021 (EDT/UTC-4) continued

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<thead>
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<th>Time</th>
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<tbody>
<tr>
<td>12:15 pm</td>
<td>BREAK</td>
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<tr>
<td>12:20 pm</td>
<td>President’s Session Chair: Harold Welch</td>
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<tr>
<td>12:20 pm</td>
<td>Introduction/Update on the AVF Harold Welch</td>
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<tr>
<td>12:30 pm</td>
<td>JOBST Award Introduction Harold Welch</td>
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<td>12:33 pm</td>
<td>2019 JOBST Grant Presentation Andrea Obi</td>
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<td>12:39 pm</td>
<td>2020 JOBST Grant Presentation Eri Fukaya</td>
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<tr>
<td>12:45 pm</td>
<td>Distinguished Fellows Award Harold Welch</td>
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<td>12:47 pm</td>
<td>Founders Award Harold Welch</td>
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<tr>
<td>12:50 pm</td>
<td>Update on the Journal of Vascular Surgery Venous and Lymphatic Disorders Peter Lawrence</td>
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<tr>
<td>12:54 pm</td>
<td>VQI Report Michael Dalsing</td>
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<tr>
<td>12:59 pm</td>
<td>Health Policy Update Mark Iafrati</td>
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<td>1:05 pm</td>
<td>The American Venous Forum, American Vein and Lymphatic Society and the Society for Vascular Medicine Delphi Consensus on Lymphedema Fedor Lurie</td>
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<tr>
<td>1:10 pm</td>
<td>President’s Introduction Antonios Gasparis</td>
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<tr>
<td>1:18 pm</td>
<td>LIVE Presidential Address Harold Welch</td>
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<td>1:50 pm</td>
<td>BREAK</td>
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<tr>
<td>1:55 pm</td>
<td>LIVE AVF Member Business Meeting</td>
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<tr>
<td>3:00 pm</td>
<td>Industry Symposia</td>
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<tr>
<td>7:00 pm</td>
<td>DRINKS • DRESS • DRAMA Join your fellow members with a drink, western dress &amp; drama we have planned</td>
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**AVF Gala**

FRIDAY, MARCH 19 • 7:00PM ET

**LIVE EVENT**

- Music
- Socializing
- Magic
- Awards
- Games
### ANNUAL MEETING

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

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9:30am – 9:55am</td>
<td><strong>LIVE NETWORKING:</strong> Meet the Experts in the Exhibit Hall</td>
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</tbody>
</table>
| 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                                 |
| 10:52 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, Aniel 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 University 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 Sakakibara,** Rie Yagi, Tomohiro IMAP, Kan Kajimoto, Atsushi Amano  
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 Humphries**  
1Intersocietal Accreditation Commission, Ellicott City, MD, USA, 2University of Washington, Seattle, WA, USA |
### SATURDAY, MARCH 20, 2021 (EDT/UTC-4) continued

<table>
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<tr>
<th>Time</th>
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<tr>
<td>11:39 am</td>
<td>LIVE Q&amp;A</td>
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</table>
| 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* |
| 11:34 am   | LIVE Q&A                                                                |
| 12:05 pm – 12:10 pm | BREAK |
| 12:10 pm – 12:40 pm | Industry Symposia |
| 12:40 pm – 12:45 pm | BREAK |
| 12:45 pm – 1:15 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*  
Phlebolymphology Unit, General Surgery Department. Hospital Italiano de Buenos Aire, Buenos Aires, Argentina |
| 1:04 pm    | (AVF60) A Single-Center Experience of Anterior Accessory Saphenous Vein Endothermal Ablation Demonstrates Safety and Efficacy  
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 Tolbert*, Zachary Harbin*, Wesley Clothier*, John Treffalls*, Qi Yan*  
1University of Texas Health Science Center at San Antonio, San Antonio, TX, USA, 2South Texas Medical Center, San Antonio, TX, USA |
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 Phlebolymphedema: 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

1:25 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, Thelka 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 Grieff, Charles Hamilton, Alexander Malanowski, Huong Truong, John Nosher, 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
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

2:18 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

3:07 pm LIVE Q&A
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, Universite 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 Wang1,2, Ali Al Jabri1, Edward Jewell1, Angela Jellison1
   1Lahey Hospital & Medical Center, Burlington, MA, USA, 2Tufts University School of
   Medicine, Boston, MA, USA
| POSTER 12 | Outcomes of Catheter-based Interventions in Acute Pulmonary Embolism  
Rafael Cires-Drouet, Khanjan Nagarsheth, Shahab Toursavakdohi, 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 Vemuri⁴  
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 |
<table>
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<tr>
<th>Distinguished Fellows</th>
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<tr>
<td>Dr. Jose Almeida</td>
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<td>Dr. John Blebea</td>
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<td>Dr. Ruth L Bush</td>
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<td>Dr. Patrick Carpentier</td>
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<td>Dr. Rabih Chaer</td>
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<td>Dr. Anthony James Comerota</td>
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<td>Dr. Michael C. Dalsing</td>
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<td>Dr. Alun Davies</td>
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<td>Dr. Jose Antonio Diaz</td>
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<td>Dr. Steve Elias</td>
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<td>Dr. Antonios Gasparis</td>
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<td>Dr. Kathleen Gibson</td>
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<td>Dr. Monika Gloviczki</td>
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<td>Dr. Peter Gloviczki</td>
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<td>Dr. Edmund John Harris, Jr.</td>
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<td>Dr. Anil Hingorani</td>
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<td>Dr. Glenn Jacobowitz</td>
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<td>Dr. Lowell Kabnick</td>
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<td>Dr. Manju Kalra</td>
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<td>Dr. Robert McLafferty</td>
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<td>Dr. Mark Meissner</td>
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<td>Dr. Robert F. Merchant</td>
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* Distinguished Fellow Bestowed in 2021
NEW 2020 & 2021 AVF MEMBERS

PHYSICIAN - NATIONAL

Ramsey Al-Hakim
Laith Alsayegh
Rachel Anolik
Chompunut Asavaaree
Ulises Baltazar
Simpledeep Banipal
Christina Boyd
John Braun
Blaze Cook
Paul Corcoran
Brian Davison
Angela Diamond
Jennifer Engle
Jason Gilster
Samuel Goldhaber
Jessica Green
Todd Hansen
Brian Hoang
James Holzheuer
Angela Jellison
Minhaj Khaja
Raffi Krikorian
Julie Lahiri
Michael Levy
Kristyn Manoia
Thomas McCrorey
Jamil Muasher
Zack Nash
Jerald Ostvig
Christopher Paprzycki
Bruce Rank
Gloria Salazar Salazar
Natalie Sridharan
John Taggart
Daniel Tarver
Son Ha Yu
Barry Zadeh

PHYSICIAN - INTERNATIONAL

Aljabriyah Alfutais
Yuji Hoshino
Hector Pietravallo
Matthew Rochon

ALLIED HEALTH

Lisa Anderson
Ali Baghaie
Allison Bailey
Chandrika Lotwala
Rachelle Ramirez

MEMBER-IN-TRAINING

Tom Alsaigh
Viswanath Atreyapurapu
Constanasa Azevedo
Lenka Bajuzikova
Leonor Baldaia
Joedd Biggs
Anand Brahmandam
Daniel Carregal
Vishnu Chandra
Heepeel Chang
Mohsin Chowdhury
Hanaa Dakour Aridi
D Temesgen Andualem Desta
Antonio Duarte
Fayazuddin Fayazuddin
Valentin Figueroa
Carlos Flores
Diego Flores
Simon Fraser
Ritesh Gaikawad
Eric Goldschmidt
Anthony Grieff
Henrique Guedes da Rocha
Poonam Gupta
Paul Hanna
Mickael Henrikues
Joel John
Elston Johnson
Lily Johnston
Joicy Jojo
Humberto Juarez
Ahmad Kattan
Sai Kottapalli
Lucia Kubikova
Arun Kumar
MEMBER-IN-TRAINING

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Nazish Sayed
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Devendra Singh
Raghvendra Singh
Edvard Skripochnik

Kirolus Sourial
A Srinivasan
Pramod Theetha Kariyanna
Georval Victorin
Harold Waller
Yang Yang
Christopher Yeisley
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Aoi Ogawa
Jose Ordonez
Julio Ramos
Hayley Reddington
Nikita Singh
Giancarlo Speranza
# Benefits of Membership in the American Venous Forum

**American Venous Forum**
Promoting venous and lymphatic health

- **Annual Meeting**
  - Receive substantial registration discounts and CME credits

- **Journal of Vascular Surgery – Venous and Lymphatic Disorders**
  - Receive the AVF journal in print (US only) and online

- **Fellows and Early Career Courses**
  - Attend didactic and hands on workshops to improve knowledge and skills

- **Patient Education Materials**
  - Provide up-to-date educational materials to patients and families

- **Annual Meeting Video Library**
  - Access the latest content from world-renowned venous practitioners

## Leadership and Professional Development

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Committees, Writing Groups and Editorial</td>
<td>Serve as leaders of the AVF and have a voice in the advancement of the profession</td>
</tr>
<tr>
<td>Career Center</td>
<td>Find practice opportunities and post job openings</td>
</tr>
</tbody>
</table>

## Research, Quality and Clinical Practice Improvement

<table>
<thead>
<tr>
<th>Component</th>
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</thead>
<tbody>
<tr>
<td>Clinical Practice Guidelines</td>
<td>Help develop and access the latest guidelines</td>
</tr>
<tr>
<td>AVF EXCHANGE</td>
<td>Access an exclusive online community to exchange technical and clinical information to advance knowledge and practice</td>
</tr>
<tr>
<td>AVF-Jobst Research Award</td>
<td>Eligibility for the largest vascular research grant available to young researchers in the field</td>
</tr>
<tr>
<td>AVF-NIH/NHLBI Research Award</td>
<td>A unique research collaboration available to early researchers in venous and lymphatic disease</td>
</tr>
<tr>
<td>Vascular Quality Improvement (VQI)</td>
<td>Provide quality improvement data and access a national registry in venous stents, IVC filters and varicose veins</td>
</tr>
<tr>
<td>C-TRACT Trial</td>
<td>Participate as an investigator and enroll patients in a national clinical trial</td>
</tr>
</tbody>
</table>

## Publications and News

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>VEIN SPECIALIST – the Monthly Electronic Newsletter of the AVF</td>
<td>Written by AVF members, receive timely and relevant news about the AVF</td>
</tr>
<tr>
<td>Website</td>
<td>Access information and resources to support your practice and patients</td>
</tr>
</tbody>
</table>

## Advocacy

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inter-society Collaboration</td>
<td>Represent the AVF with organizations to help advance the brand and mission of the AVF</td>
</tr>
<tr>
<td>Find a Vein Specialist</td>
<td>Remain visible to patients, the public and health care practitioners in search of venous experts</td>
</tr>
</tbody>
</table>

## Networking and Socialization

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual Meeting, Fellows Courses, Receptions</td>
<td>Network and establish lifelong friendships with your peers and leaders in the field</td>
</tr>
</tbody>
</table>

## AVF Foundation

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
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<tbody>
<tr>
<td>Investments in Research, Education, and Clinical Practice</td>
<td>Contribute your time and treasures to advance the field of venous and lymphatic disease</td>
</tr>
</tbody>
</table>
The 4 Pillars of Healthy Veins for Healthy Life

To Educate is to Empower
New Knowledge Improves Lives
Advocate for Access
Empower and Enable Vein Care to Improve Quality of Life and Reduce Disability

www.AVFFoundation.org

We applaud these Vision Partners who have demonstrated their commitment to venous and lymphatic health through their generous support of Healthy Veins for Healthy Life and the AVF Foundation!
<table>
<thead>
<tr>
<th>Amount</th>
<th>Contributors</th>
</tr>
</thead>
</table>
| $5,000 | Drs. Elna Masuda and Kevin Lui  
Dr. and Mrs. Lowell and Robi Kabnick |
| $1,000 | Dr. and Mrs. Tom & Mary Wakefield  
Scott Centea  
Dr. Sheila Coogan  
Dr. Daniel Monahan, Monahan Vein Ctr  
Dr. Patrick Muck  
Dr. Kathleen Ozsvath  
Dr. Victor Canata  
Dr. & Mrs. Antonios & Theodora Gasparis  
Dr. Mark Iafrati  
Dr. Glenn Jacobowitz  
Dr. Jorge Ulloa  
Dr. Robert L. & Adelaide M. Kistner  
Dr. Suresh Vedantham |
| $500 | Dr. Ruth L. Bush & William A. Fife, IV  
Eric Heil  
Dr. Peter Henke  
Dr. William Marston  
Dr. Harold Welch  
John Forbes  
Drs. Peter & Monika Gloviczki |
| $250 | Denysse Castaneda  
Dr. Michael Dalsing  
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Dr. Mikel Sadek  
Dr. Anil Hingorani |
| less than $250 | Dr. Jose Diaz  
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Dr. Joann Lohr  
Dr. Rabih Chaer  
Dr. Jose Almeida  
Dr. Ellen Dillavou  
Dr. Joseph Raffetto  
Jeff Mendola  
Dr Luke Brewster  
Dr. Gregory Kechejian |
MARCH 17-20, 2021 (EDT/UTC-4)
MONTHLY DIGITAL NEWSLETTER

CLICK HERE
To Read
PRIOR ISSUES
& Subscribe.
3 pocket guides, 5 patients brochures, 6 informed consent forms and The Healthy Veins Book for patients.
ADVOCACY
The American Venous Forum is committed to promoting evidence-based best practices to ensure that patients have access to the highest quality care – especially the underserved. We believe that vigorous advocacy in venous and lymphatic disease is critical to this commitment.

AVF MEMBERSHIP
Members of the AVF contribute their time and expertise to further scientific and clinical research, educate physicians and fellows, create unique public awareness programs and provide state-of-the-art patient care for people with venous disease. Membership is open to all healthcare professionals who treat venous disease.

MEMBERSHIP BENEFITS

MEMBERSHIP APPLICATION CRITERIA

CLINICAL PRACTICE GUIDELINES
Library of guidelines including recently added: EHIT, Classification of PVD, Appropriate Use Criteria, Revised CEAP, and Compression (in both English and Spanish).

COVID-19
Late-breaking research and resources.

FIND A VEIN SPECIALIST
Quickly search for a doctor, view a complete listing of all Vein Specialists or, if you are an AVF member physicians, activate your listing on Find a Vein Specialist.

VEIN SPECIALIST NEWSLETTER
Complimentary, monthly digital newsletter of the American Venous Forum featuring venous and lymphatic news and information.
Cyanoacrylate Closure

The VenaSeal™ Closure System delivers immediate and lasting vein closure with its proprietary medical adhesive formula.¹⁻³

Radiofrequency Energy Closure

The ClosureFast™ RFA system delivers uniform heat for lasting vein closure and is the only RFA system with published long-term clinical data demonstrating safety and efficacy, with a 91.9% closure rate at 5 years.⁴

94.6% closure rate at 5 years¹

91.9% closure rate at 5 years⁴

EXPERIENCE OUR CVI PORTFOLIO ADVANTAGE

Our comprehensive CVI toolkit empowers you to select the best approach for each patient.

Learn more at Medtronic.com/CVIadvantage
Brief Statements

VenaSeal™ Closure System

Intended Use/Indications: The VenaSeal™ closure system (VenaSeal™ system) is indicated for use in the permanent closure of lower extremity superficial truncal veins, such as the great saphenous vein (GSV), through endovascular embolization with coaptation. The VenaSeal system is intended for use in adults with clinically symptomatic venous reflux as diagnosed by duplex ultrasound (DUS).

Contraindications: Separate use of the individual components of the VenaSeal closure system is contraindicated. These components must be used as a system. The use of the VenaSeal system is contraindicated when any of the following conditions exist: previous hypersensitivity reactions to the VenaSeal™ adhesive or cyanoacrylates, acute superficial thrombophlebitis, thrombophlebitis migrans, acute sepsis.

Potential Adverse Effects of the Device on Health: The potential adverse effects (e.g., complications) associated with the use of the VenaSeal system include, but are not limited to, adverse reactions to a foreign body (including, but not limited to, nonspecific mild inflammation of the cutaneous and subcutaneous tissue), arteriovenous fistula, bleeding from the access site, deep vein thrombosis (DVT), edema in the treated leg, embolization, including pulmonary embolism (PE), hematoma, hyperpigmentation, hypersensitivity or allergic reactions to cyanoacrylates, such as urticaria, shortness of breath, and anaphylactic shock, infection at the access site, pain, paresthesia, phlebitis, superficial thrombophlebitis, urticaria, erythema, or ulceration may occur at the injection site, vascular rupture and perforation, visible scarring.

Warnings, precautions, and instructions for use can be found in the product labeling at http://manuals.medtronic.com.

CAUTION: Federal (USA) law restricts this device to sale by or on the order of a physician.

ClosureFast™ RFA system Reference Statement

IMPORTANT: Please reference the Instructions For Use (IFU) for a complete listing of indications, contraindications, warnings and precautions, adverse effects and suggested procedure.

CAUTION: Federal (USA) law restricts this device to sale by or on the order of a physician.
Explaining deep venous disease to patients can be challenging. That is why BD has developed a comprehensive venous education website dedicated to venous disease with resources for patient education, including brochures, articles, videos, and other helpful items for physicians and patients.


Venovo™
Venous Stent System
The Venovo™ Venous Stent System is indicated for the treatment of symptomatic iliofemoral venous outflow obstruction. The Venovo Venous Stent is not designed for repositioning or recapturing.

Please consult product labels and instructions for the use of indications, contraindications, hazards, warnings, and precautions. © 2021 BD. BD, the BD logo, and Venovo are property of Becton, Dickinson and Company or its affiliates. Illustrations by Mike Austin. All Rights Reserved. Becton, Dickinson and Co. | www.bd.com | 1 800 321 4254 | 1625 W. 3rd Street Tempe, AZ 85281 BD-15049

100% Placement Accuracy*

0% Stent Migration*

In the VERNACULAR Clinical Study

The Venovo™ Venous Stent is designed for optimal placement accuracy with its tri-axial delivery system and with flared ends for migration resistance.

Venovo™
Venous Stent System

* The Venovo™ Venous Stent System was studied in the global VERNACULAR clinical trial, which was a prospective, multi-center, non-randomized, single-arm study of 170 patients. The primary effectiveness endpoint of the study was primary patency (PP) at 12 months post-index procedure. The primary safety endpoint was freedom from major adverse events (MAE) through 30 days post-index procedure including embolization/migration of stent. Freedom from MAE was 93.5%, demonstrating a statistically significant difference from literature-derived PG of 89% and zero percent stent migration. Secondary endpoints included acute technical success. Result demonstrated 100% acute technical success, defined as successful deployment of stent(s) to intended target with adequate lesion coverage as assessed by the Investigator at the time of the index procedure. VERNACULAR Clinical Study. Data on File. Bard Peripheral Vascular Inc., Tempe, AZ.
New patterns for success

**sigvaris Style MICROFIBER PATTERNS**

Features:
- 100% microfiber next to skin for softness and excellent moisture management
- Double-covered stay yarns for easy donning and doffing

Best suited for:
- Management of venous insufficiency
- Long-distance travel
- Tired, heavy, restless, aching legs

**AVAILABLE COLORS & PATTERNS**

<table>
<thead>
<tr>
<th>Color</th>
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<tbody>
<tr>
<td>Navy</td>
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<td>Purple</td>
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<td>Royal Blue</td>
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<tr>
<td>Mariner Stripe</td>
<td>NEW PATTERN</td>
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<tr>
<td>Graphite Stripe</td>
<td>NEW PATTERN</td>
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<tr>
<td>Graphite Heather</td>
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**NEW PATTERNS**

<table>
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<th>Description</th>
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<td>NEW PATTERN</td>
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<tr>
<td>Graphite Heather</td>
<td>NEW PATTERN</td>
</tr>
</tbody>
</table>

**SIGVARIS WELL BEING MICROFIBER SHADES**

Compression Level 15-20 mmHg

**COLOR OUTSIDE THE LINES**

87% Nylon, 13% Spandex

**PRODUCT CODE EXAMPLES**

- **832CMLW48**
- **143CBA9**

**Graded Compression for Men & Women**
Comfy Flow™ Calf & Foot or Full Leg
LYMPHEDEMA WEAR

Channel design creates a pressure gradient to assist with lymph fluid movement

Comfortable Day or Night
Custom Chipflow is a breathable, easy-to-apply, garment for the management of lymphedema, lipedema, and general edema. This product is patent pending.

Features
- Custom sized Foam Liner and adjustable velcro wrap combine to form a garment that can be worn day or night
- Low profile, comfortable, channeled Foam Liner contains Chip Foam to encourage lymph fluid movement
- Unique split-ankle donning zone in Foam Liner makes slipping the Foam Liner on simple, even for patients with dexterity issues
- Stretch panel holds the velcro wrap in place over the Foam Liner while the straps are adjusted as desired
- Washable, durable, and comes with a pair of liners for skin hygiene

To order: 800.322.7744 | us_orders@sigvaris.com | sigvaris-online.com
Durable symptom relief requires balance

No longer a choice between conformability or lumen expansion

Zilver® Vena™ Venous Self-Expanding Stent

--

Zilver® Vena™ Venous Self-Expanding Stent

CAUTION: U.S. Federal law restricts this device to sale by or on the order of a physician or properly licensed practitioner.

INDICATIONS FOR USE: The Zilver® Vena™ Venous Stent is indicated for improving luminal diameter in the iliofemoral veins for the treatment of symptomatic iliofemoral venous outflow obstruction.

CONTRAINDICATIONS: The Zilver Vena Venous Self-Expanding Stent system is contraindicated for use in:
- Patients who are judged to have a lesion that prevents unsupported inflow or outflow through the stent or the stent delivery system.
- Patients who cannot receive intraprocedural anticoagulation therapy.

WARNINGS: Minimal incidence of injury may cause allergic reactions in some patients. - The device is designed for single use only. Attempts to re-use, re-sterilize, and re-sterilize may lead to device failure and/or transmission of disease. This may also increase the risk of contamination. - Stents or stent systems should be unopened until the day of use. Do not use the product if there is any evidence of tampering.

PRECAUTIONS: This product should only be used by physicians trained and experienced in diagnostic and interventional vascular techniques. Standard techniques for interventional vascular procedures should be followed. - The Zilver® Vena Venous Stent requires high-resolution fluoroscopic control. - Prior to the procedure, select the appropriate size stent. - Stent delivery systems with the delivery system. - How to the procedure, the patient's underlying condition should be assessed for compatibility with anticipated procedural requirements.

Stent Handling: Do not attempt to remove the stent from the delivery system before use. - Do not expose any part of the delivery system to organic solvents or alcohols. - Use the stent system prior to the expiration date specified on the package.

Stent Placement: Ensure that the safety lock is not inadvertently removed prior to stent insertion. - Do not rotate any part of the catheter-delivery system.

Biocompatibility: The device was designed to be biocompatible. However, the stent meshwork may fragment and be released over the stent. - Fragmentation of the delivery system to the intended deployment location can cause damage to blood vessels and/or organs.

Stent System Removal: Remove the delivery system or stent after deployment. - Do not advance or withdraw the stent or allow the stent to be partially deployed. - Do not advance or withdraw the stent after it has been deployed.

Stent Preservation: The stent must be fully deployed. - Do not advance or withdraw the stent. - Do not advance or withdraw the stent. - Do not advance or withdraw the stent.

Potential Adverse Events: Potential adverse events that may occur include:

1. Phlebitis
2. Thrombosis
3. Stent migration
4. Stent fracture
5. Soft tissue necrosis
6. Venous stenosis

See Instructions for Use for full product information.

EXPECT MORE.

Read more about a new stent for your venous toolkit.

Cook Medical

Core
Atraumatic nitinol coring element designed to lift and separate clot from the vessel wall.

Collect
Braided nitinol collection bag provides embolic protection.

Restore
90% median Marder score improvement in patients >6 week symptoms*

Learn more at the American Venous Forum 2021!

Saturday, March 20
12:10pm - 12:40pm ET

Lighting the Way for Optimal VTE Treatment - TWO Late Breaking FLASH and CLOUT Data Releases
Dr. Wissam Jaber | Emory University School of Medicine
Dr. Steven D. Abramowtiz | MedStar Health

The FlowTriever system has been studied more than any other mechanical thrombectomy device for the treatment of pulmonary embolism. Patients studied in peer reviewed papers and conference presentations:


*Patients studied in peer-reviewed papers and conference presentations.

INDUSTRY LEADING CLINICAL RESEARCH

Learn more at the American Venous Forum 2021!

Saturday, March 20
12:10pm - 12:40pm ET

Lighting the Way for Optimal VTE Treatment - TWO Late Breaking FLASH and CLOUT Data Releases

Dr. Wissam Jaber | Emory University School of Medicine
Dr. Steven D. Amramowitz | MedStar Health
Treat Incompetent Perforator Veins with Precision


RISK INFORMATION

Indications for Use: The VenaCure EVLT 400 μm Perforator and Accessory Vein Ablation Kit is intended for use in the treatment of superficial vein reflux of the greater saphenous vein associated with varicosities. The VenaCure EVLT 400 μm Perforator and Accessory Vein Ablation Kit is indicated for treatment of incompetence and reflux of superficial veins in the lower extremity, and for treatment of incompetent (i.e. refluxing) perforator veins (IPVs).

Contraindications: Contraindications include but are not limited to the following. Patients with thrombus in the vein segment to be treated. Patients with an aneurysmal section in the vein segment to be treated. Patients with peripheral arterial disease as determined by an Ankle-Brachial Index < 0.9. Patients with an inability to ambulate. Patients with deep vein thrombosis (DVT). Patients who are pregnant or breast feeding. Patients in general poor health. Other contraindications may be raised by the individual physician at the time of treatment. Extremely tortuous vein segments may require treatment by alternative techniques (phlebectomy, sclerotherapy). Refer to Directions for Use and/or User Manual provided with the product for complete Instructions, Warnings, Precautions, Possible Adverse Effects and Contraindications prior to use of the product. CAUTION: Federal law (USA) restricts this device to sale by or on the order of a physician. AngioDynamics, the AngioDynamics logo, and the VenaCure PVAK logo are all trademarks and/or registered trademarks of AngioDynamics, Inc., an affiliate, or a subsidiary. © 2020 AngioDynamics, Inc. US/VI/AD/382 Rev 01 09/2020

ANGIODYNAMICS HAS THE PERFECT SOLUTION

Venous disease is the most common cause of leg ulceration. Early endovenous ablation of superficial venous reflux has been shown to result in faster healing of venous leg ulcers¹.

You can treat Incompetent Perforator Veins (IPVs) with precision, thanks to the 400 micron Perforator & Accessory Vein Ablation Kit from AngioDynamics.

LEARN MORE:
1-800-772-6446 • go.angiodynamics.com/400MicronPVAK

Compression that cushions

New Juzo Power Comfort Socks provide a padded sole for all-day cushioning & medical compression for a healthy and happy leg.

For more information go to: www.juzousa.com

POWER COMFORT
Men’s Compression Socks

Venous IVUS interpretation made easy
with the participation of the American Venous Forum

Search Venous IVUS in App Store
Google Play store

innovation + you
Vetex Medical Ltd. presents their flagship device: The ReVene® Thrombectomy Catheter

The ReVene® is a 10F, venous-intended Thrombectomy Catheter with a patented dynamic cage technology that is:

- Designed to predictably achieve the removal of wall adherent thrombus in a single session without the need for thrombolytics
- Engineered for venous disease with optimal profile, designed to be safe on walls and valves and reduce procedural complexity
- Intuitive to set-up and operate without requiring capital equipment for efficient thrombus removal
Indicated for all Peripheral Vasculature!

RAPID. SAFE. EFFECTIVE.

Indigo® System | Mechanical Thrombectomy

LIGHTNING™

Intelligent Aspiration Powered by Penumbra ENGINE®

Now Indicated for the Treatment of Pulmonary Embolism

EXTRACT-PE Now Published in JACC-CI®

View the results of the trial here

b. Trial device used was Indigo Aspiration System and catheter was limited to the Indigo System CAT ™8 used in conjunction with the SEP8 on a per case basis. Lightning 12 was not available at time of trial.

Caution: Federal (USA) law restricts these devices to sale by or on the order of a physician. Prior to use, please refer to the Instructions for Use (IFU) for complete product indications, precautions, safety information, potential adverse events, and detailed instructions for use. For the complete IFU Summary Statements: https://www.penumbrainc.com/pdf/brief-summaries-risk-statement/. Please contact your local Penumbra representative for more information.

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FEBRUARY 23 - 26, 2022
OMNI ORLANDO CHAMPIONSGATE, FLORIDA

VENOUS 2022
AMERICAN VENOUS FORUM