MARCH 3
DAY OF SCIENCE & INNOVATION: BEYOND HEMODYNAMICS

MARCH 4-6
SCIENTIFIC SESSIONS

March 3 - 6, 2020

AMERICAN VENOUS FORUM
32ND ANNUAL MEETING
OMNI AMELIA ISLAND PLANTATION RESORT
AMELIA ISLAND, FLORIDA

@VeinForum @americanvenousforum #VENOUS2020
american-venous-forum veinforum.org
Welcome to VENOUS2020, the 32nd Annual Meeting of the American Venous Forum!

Ever-expanding knowledge, technology and treatment options calls for a new vision of how we meet and exchange ideas. VENOUS2020 has been designed with this vision in mind, bringing a multitude of meetings on basic science and hemodynamics, clinical science and clinical practice, early career learning with hands-on training, case vignettes and studies, national registry and quality assurance updates, and lots of fun and games all under one umbrella. Each session has been specifically designed with its own focus, conceived and developed by leaders in the field, and designed to stimulate discussion, questions and to inform participants of the latest in venous disease and treatment to better patient care.

I thank Dr. Patrick Muck, Program Committee Chair, Dr. Kathleen Ozsvath, Co-Chair, and the Organizing Committees of each meeting and session within VENOUS2020 who have worked tirelessly to bring you this premier scientific conference. AVF leads the field of venous and lymphatic disease through its many initiatives, and I thank my colleagues of AVF and AVFF Board of Directors who have shared in this vision and our dedicated Administration who have made this vision come alive.

I am looking forward to learning with you, exchanging ideas and celebrating with you as together we advance the field of venous disease and care.

Brajesh K Lal, MD
President of the American Venous Forum
<table>
<thead>
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<th>Time</th>
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<tr>
<td>7:30 am – 8:15 am</td>
<td>AVF Foundation Board of Directors Meeting</td>
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<tr>
<td>8:30 am – 9:30 am</td>
<td>AVF Foundation &amp; AVF Joint Board of Directors Meeting</td>
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<tr>
<td>9:45 am – 11:30 am</td>
<td>AVF Board of Directors Meeting</td>
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<tr>
<td>10:00 am – 6:00 pm</td>
<td>Registration/Information Desk Open</td>
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<tr>
<td>11:00 am – 5:00 pm</td>
<td>DAY OF SCIENCE AND INNOVATION: BEYOND HEMODYNAMICS</td>
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<tr>
<td></td>
<td>Moderators: Fedor Lurie, Jose Diaz and Seshadri Raju</td>
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<tr>
<td>11:00 am</td>
<td>Introduction Jose Diaz</td>
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<tr>
<td>11:05 am – 12:10 pm</td>
<td>Abstract Session (*Full Authorship Information Available at the End of the Program)</td>
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<tr>
<td>11:05 am</td>
<td>Natural History of Stasis-Induced Deep Vein Thrombosis in a Murine Model and Application in the Clinical Setting: A Histoch...</td>
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<tr>
<td>11:10 am</td>
<td>Invited Commentary Alan Dardik</td>
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<td>Q &amp; A</td>
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<tr>
<td>11:20 am</td>
<td>First Use of a Novel PAI-1 Inhibitor (MDI-2268) in Animal Model of Deep Vein Thrombosis and Attempts of Combined Antithrombotic Therapy Maxim Shaydakov (AVF2)</td>
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<tr>
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<td>Infrared Thermography (IRT) Confirms Inflammatory Differences in Refluxing Versus Competent Lower Extremity Veins Ulka Sachdev (AVF3)</td>
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<tr>
<td>11:50 am</td>
<td>Outcomes of IVC Filter Placement in Patients with Perceived Contraindications to Anticoagulation Kate Gates (AVF4)</td>
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<td>Invited Commentary Elna Masuda</td>
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<tr>
<td>12:00 pm</td>
<td>Q &amp; A</td>
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<tr>
<td>12:05 pm</td>
<td>Conclusions Fedor Lurie</td>
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<tr>
<td>12:10 pm – 1:30 pm</td>
<td>LUNCH</td>
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<tr>
<td>1:30 pm</td>
<td>Introduction Fedor Lurie</td>
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<td>1:35 pm – 2:50 pm</td>
<td>The Knowledge</td>
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<tr>
<td>1:35 pm</td>
<td>Inflammation and its Resolution Charles Serhan</td>
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<td>2:00 pm</td>
<td>Veins Genetic Identity Alan Dardik</td>
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<td>2:15 pm</td>
<td>Images of Inflammation in Thrombosis Farouc Jaffer</td>
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<td>2:30 pm</td>
<td>Discussion: Translational and Clinical Implications</td>
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<tr>
<td>2:50 pm – 3:10 pm</td>
<td>BREAK</td>
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<tr>
<td>3:10 pm – 3:40 pm</td>
<td>The Gaps</td>
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<tr>
<td>3:10 pm</td>
<td>Before the Reflux Joseph Raffetto</td>
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<td>3:25 pm</td>
<td>Before Signs: Pathophysiological Mechanisms of C0s Andrew Nicolaides</td>
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<tr>
<td>3:40 pm – 4:35 pm</td>
<td>The Bridges</td>
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<tr>
<td>3:40 pm</td>
<td>Animal Models of Venous Obstruction Alan Dardik</td>
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<td>3:50 pm</td>
<td>Animal Models of Venous Thrombosis Jose Diaz</td>
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<tr>
<td>4:00 pm</td>
<td>Using Clinical Trials for Basic and Translational Data Andrei Kindzelski</td>
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<td>Discussion: Closing the Loop – Physics vs. Physiology</td>
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<td>4:35 pm – 5:00 pm</td>
<td>The Future</td>
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<td>4:35 pm</td>
<td>AVF-JOBST Awardees Yogendra Kanthi, Andrea Obi and Maxim Shaydakov</td>
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<tr>
<td>4:50 pm</td>
<td>Imua - Going Forward Fedor Lurie</td>
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<tr>
<td>5:15 pm – 6:15 pm</td>
<td>DAY OF SCIENCE RECEPTION / COCKTAILS</td>
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## AGENDA

### WEDNESDAY, MARCH 4, 2020

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<td>6:30 am – 7:20 am</td>
<td>Breakfast</td>
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<tr>
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<td><strong>SUMNER SESSION: THE WISDOM AND EXPERIENCE OF THE PAST PRESIDENTS OF THE AVF</strong> Moderator: Harold Welch</td>
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<tr>
<td>7:30 am</td>
<td>Introduction Harold Welch</td>
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<tr>
<td>7:35 am</td>
<td>Selectins as a New Treatment for DVT – from Bench to Bedside Thomas Wakefield</td>
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<tr>
<td>7:45 am</td>
<td>Seeing is Believing: The Evolution of Venous Imaging Joann Lohr</td>
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<td>What Did We Learn from the First (Multi-Society) Venous Appropriate Use Project? Elna Masuda</td>
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<td>8:05 am</td>
<td>Venous Disease and Famous Golfers Thomas O’Donnell</td>
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<td>Unsolved: A Greater Than 50 Year Search for a Substitute Venous Valve Michael Dalsing</td>
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<td>Are We Looking for Reflux in All The Wrong Places? Seshadri Raju</td>
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<td>Compression Stockings: What Do Patients Really Need? John Blebea</td>
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<td>8:45 am</td>
<td>The Concept of Axial Reflux: Definition and Potential Clinical Importance Fedor Lurie and Robert Kistner</td>
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<tr>
<td>10:05 am</td>
<td>No Man is an Island Lowell Kabnick</td>
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<tr>
<td>10:15 am</td>
<td>The Caprini Score: Update 2020 Joseph Caprini</td>
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<td>10:25 am</td>
<td>Are Statins the Next Major Advance in the Management of VTE? Anthony Comerota</td>
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<td>Why Four AVF Presidents from Paradise? Bo Eklof</td>
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<td>10:45 am</td>
<td>The Need for Specialized Training in Venous Disease Mark Meissner</td>
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<td>JVS-VL: From Inception to an Impact Factor of 2.696 Peter Gloviczki</td>
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<td>Follow-up on Professionalism and Ethics: Have We Moved the Needle Any Since I Was AVF President? Marc Passman</td>
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<td>11:15 am</td>
<td>The Next Thrombosis Frontier: Preventing Breakthrough VTE Peter Henke</td>
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<td>11:25 am</td>
<td>Developing and Improving Leadership Skills in Societal Culture Robert McLafferty</td>
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<td>11:50 am – 12:50 am</td>
<td>Industry Sponsored Lunch – Boston Scientific</td>
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<tr>
<td>12:55 pm – 1:00 pm</td>
<td>PRESIDENT’S WELCOME — BRAJESH LAL</td>
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<tr>
<td>1:00 pm – 1:45 pm</td>
<td><strong>SESSION 1 – DEEP VENOUS DISEASE</strong> Moderators: Brajesh Lal and Patrick Muck</td>
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<tr>
<td>1:00 pm</td>
<td>Prosthetic Valve for Post-Phlebitic Syndrome Jorge Ulloa (AVF5)</td>
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<td>Discussant: Joseph Raffetto</td>
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<td>1:11 pm</td>
<td>Contralateral Limb Improvement in Patients Undergoing Iliofemoral Venous Stenting Arjun Jayaraj (AVF6)</td>
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<td>1:19 pm</td>
<td>Deep Venous Stenting is the Only Therapy to Improve Healing of Venous Leg Ulcerations in Patients with Deep Vein Stenosis Abhishek Mohapatra (AVF7)</td>
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<tr>
<td>1:27 pm</td>
<td>Q &amp; A</td>
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<tr>
<td>1:45 pm – 2:30 pm</td>
<td><strong>LATE BREAKING TRIALS #1</strong> Moderators: Ellen Dillavou and Joseph Raffetto</td>
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<tr>
<td>1:45 pm</td>
<td>Venovo Trial – Update on Early Usage Following the Vernacular Trial Mikel Sadek</td>
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<td>1:53 pm</td>
<td>The Cook VIVO Clinical Study Design and Procedural Outcomes Anthony Comerota</td>
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<td>2:01 pm</td>
<td>Update on the Vici Trial and Early Usage Following FDA Approval William Marston</td>
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<td>2:09 pm</td>
<td>Sentry Bioconvertible IVC Filter: Clinical Evidence, Experience, and Two-Year Outcomes Nicolas Mouawad</td>
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<td>2:17 pm</td>
<td>Medtronic’s Abre – A Venous Stent Trial Update Erin Murphy</td>
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<tr>
<td>2:30 pm</td>
<td><strong>INTERNATIONAL SESSION: SHARING EXCELLENCE IN GLOBAL VENOUS SCIENCE</strong></td>
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<tr>
<td>2:30 pm</td>
<td>Welcome and Introduction</td>
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<tr>
<td>2:35 pm</td>
<td>Comparison of Two Clinical Scales to Assess the Post-Thrombotic Syndrome: Secondary Analysis of a Multicenter Randomized Trial of Pharmacomechanical Catheter-Directed Thrombolysis for Deep Vein Thrombosis</td>
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<td>2:42 pm</td>
<td>Quality of Life Outcomes For Patients Undergoing Deep Venous Stenting For Chronic Deep Venous Disease: A Tertiary Centre Experience Using The VEINES-Qol/Sym</td>
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<td>2:49 pm</td>
<td>Mini-invasive Robotic Surgery for Nutcracker Syndrome</td>
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<td>2:56 pm</td>
<td>CEAP stages C0 – C1: What’s Happening Prior to Symptoms and Varices?</td>
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<td>3:03 pm</td>
<td>Saphenous Sparing Segmental Radiofrequency Ablation For Small Saphenous Vein Reflux Treatment</td>
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<td>3:10 pm</td>
<td>12-Month Results of a Clinical Feasibility Study for Endovenous Valve Formation (EVF) to Treat Deep Vein Reflux</td>
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<td>3:17 pm</td>
<td>Mass Spectrometry Analysis Demonstrates A Differential Metabolic Signature Dependant On Chronic Venous Disease Stage</td>
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<td>3:22 pm</td>
<td>Randomised Clinical Trial of Mechanochemical Ablation Versus Cyanoacrylate Adhesive for the Treatment of Varicose Veins (MOCCA)</td>
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<td>3:27 pm</td>
<td>Reflux Volume Increases Caudally from Sapheno-Femoral Junction to the Distal Leg</td>
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<td>3:32 pm</td>
<td>Outcomes of a Single-Center Experience of Endothermal Heat-Induced Thrombosis After Endovenous Ablation In Superficial Venous Disease</td>
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<td>3:37 pm</td>
<td>Hybrid Treatment for Venous Popliteal Aneurysm</td>
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<td>3:42 pm</td>
<td>Migraine: A Common and Unknown Symptom of Pelvic Congestion Syndrome</td>
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<td>3:47 pm</td>
<td>Ultrasound Anatomy of Dermal and Subdermal Venous Plexus</td>
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<td>3:52 pm</td>
<td>Discussion</td>
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<td>4:00 pm</td>
<td><strong>BREAK</strong></td>
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<td>4:30 pm</td>
<td><strong>VILLAVICENCIO SYMPOSIUM: ADVANCES IN PELVIC VENOUS DISEASE (PEVD)</strong></td>
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<td>4:30 pm</td>
<td>Pelvic Venous Anatomy and Pathology</td>
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<td>4:38 pm</td>
<td>Classification of Pelvic Venous Disorders</td>
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<td>4:46 pm</td>
<td>Protocol in Ultrasound Imaging of the Pelvic Veins</td>
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<td>4:54 pm</td>
<td>Do You Need Axial Imaging? When and Why?</td>
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<td>5:02 pm</td>
<td>Treatment Algorithm and Technical Steps in Pelvic Reflux</td>
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<td>5:10 pm</td>
<td>NVL in the Setting of PCS: Should I Stent and When?</td>
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<td>5:18 pm</td>
<td>Role of Renal Vein Compression in PeVD</td>
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<td>5:24 pm</td>
<td>Clinical Cases in PeVD and Interactive Discussion</td>
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<td>6:00 pm</td>
<td><strong>POSTER SESSION</strong></td>
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<td><strong>WELCOME RECEPTION</strong></td>
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Registration/Information Desk Open

**9:00 am – 1:00 pm**
Exhibit Hall Open *(Includes Morning Coffee Break and Lunch)*

**6:30 am – 7:15 am**
Industry Sponsored Breakfast – SIGVARIS Group

**7:30 am – 8:45 am**
**SESSION 2 – SUPERFICIAL VENOUS DISEASE**

**Moderators:** Glenn Jacobowitz and Ruth Bush

**7:30 am**
**Do Patients with Isolated Symptomatic Varicose Veins (C2 disease) Improve Following Truncal Ablation?**  
*Nicholas Osborne*  
Discussant: Sheila Coogan *(AVF21)*

**7:41 am**
**EPS: A New Etiology-Based Classification of Vein Insufficiency**  
*Chris Ragg* *(AVF22)*

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**Comparison of Unilateral vs Bilateral and Staged Bilateral vs Concurrent Bilateral Truncal Endovenous Ablation in the Vascular Quality Initiative**  
*Craig Brown* *(AVF23)*

**7:57 am**
**Q&A**

**8:13 am**
**Correlation Between Restless Leg Syndrome And Superficial Venous Reflux; A Single Center Retrospective Review**  
*Aaron Dezube* *(AVF24)*

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**Outcomes of Patients at Risk for Deep Vein Thrombosis Undergoing Endovenous Ablation on Systemic Anticoagulation**  
*Jennifer Watson* *(AVF25)*

**8:25 am**
**Value and Limitations of Post-Operative Duplex Checks after Endovenous Thermal Ablation (EVTA)**  
*Pavel Kibrik* *(AVF26)*

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**Reflux Duration Reference Data from the Vascular Lab**  
*Joel Crawford* *(AVF27)*

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**Patient Preferences for Thermal Ablation vs. Non-thermal, Non-Tumescent Varicose Vein Treatments: A Choice-Based Conjoint (CBC) Analysis**  
*Peter Pappas* *(AVF28)*

**8:45 am – 9:50 am**
**TOP ABSTRACTS AND LATE BREAKING TRIALS #2**

**Moderators:** Angela Kokkosis and Cythnia Shortell

**8:45 am**
**RSMVF/UK VF Best Abstract - RCT Comparing Clarivein with EVLT**  
*Abduraheem Mohamed*

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**EVF (European Venous Forum) Best Abstract #1 – Compression Following Endothermal Ablation – A Randomised Controlled Trial**  
*Rohan Bootun*

**8:59 am**
**EVF (European Venous Forum) Best Abstract #2 – Quantitative and Structural Characteristics of Mitochondrial DNA in Varicose Veins**  
*Mariya Smetanina*

**9:06 am**
**The Future of IVUS Based Therapies for Venous Leg Ulcers**  
*Paul Gagne*

**9:13 am**
**Update on Penumbra’s Indigo Catheter for Pulmonary Emboli**  
*Brian Kuhn*

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**Update on the CLOUT Study (ClotTriever Registry)**  
*David Dexter*

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**First in Man Results of Bashir Endovascular Catheter in the Treatment of Submassive PE**  
*Riyaz Bashir*

**9:34 am**
**The Importance of the C-Tract Trial and the Future of Venous Care**  
*Kush Desai*

**9:42 am**
**ACP Best Abstract:**  
*The Anterior Accessory Great Saphenous Vein Presents with Significant Morbidity and is Not a Red Headed Step Child**  
*Marlin Schul*

**9:45 am**
**Rafael Cires-Drouet**

**9:51 am**
**Effthymios “Makis” Avgerinos** *(AVF29)*

**9:59 am**
**Teah Qvavadze** *(AVF30)*

**10:07 am**
**Adham Abou Ali** *(AVF31)*

**11:07 am**
**Andrew Gonzalez** *(AVF32)*

**11:15 am**
**Noor Shah** *(AVF33)*

**11:30 am**
**Aleksandra Staniszewska** *(AVF34)*

**11:36 am**
**Katherine Hays** *(AVF35)*

**11:42 am**
**Outcomes of Endovascular Venous Stenting in Patients on Direct Oral Anticoagulants and Antiplatelet Therapy: A Single Center Experience**

**10:40 am – 12:00 pm**
**SESSION 3 – VTE/IVC FILTERS**

**Moderators:** Ash Mansour and William Marston

**10:40 am**
**Use of Advanced Therapies in Pulmonary Embolism: A Single Center Experience**  
*Rafael Cires-Drouet*  
Discussant: *Effthymios “Makis” Avgerinos* *(AVF29)*

**10:51 am**
**Inferior Vena Cava Filter Placement and Removal Trends in United States: 6-Year Review of Medicare Provider Utilization and Payment Database**  
*Teah Qvavadze* *(AVF30)*

**10:59 am**
**Evolution and Usage of Catheter Directed Interventions For Acute Pulmonary Embolism**  
*Adham Abou Ali* *(AVF31)*

**11:07 am**
**Incidental Findings Discovered During Lower Extremity Venous Duplex Studies**  
*Andrew Gonzalez* *(AVF32)*

**11:15 am**
**Q&A**

**11:30 am**
**Management of Inferior Vena Cava Thrombosis with FlowTriever and ClotTriever Systems without Pharmacomechanical Thrombolysis**  
*Noor Shah* *(AVF33)*

**11:36 am**
**Clinicians’ Opinion on the ATTRACT Trial – Results of an International Survey**  
*Aleksandra Staniszewska* *(AVF34)*

**11:42 am**
**Outcomes of Endovascular Venous Stenting in Patients on Direct Oral Anticoagulants and Antiplatelet Therapy: A Single Center Experience**  
*Katherine Hays* *(AVF35)*

**10:00 am – 10:40 am**
**D. EUGENE STRANDNESS, JR., MD LECTURE**  
**Entering the Next Decade: What New Thoughts and Facts Should Guide us in Phlebology**  
**Speaker:** Andrew Nicolaides

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THURSDAY, MARCH 5, 2020

AGENDA

11:48 am Clinical Practice Trends of Inferior Vena Cava Filter Utilization at a Single Tertiary Care Center Over an 18 Year Period  John Axley (AVF36)

11:54 am Contemporary Management of Chronic Indwelling IVC filters: A Single Institutional Experience  Tommy Ivanics (AVF37)

12:00 pm – 1:00 pm Industry Sponsored Lunch – Janssen Pharmaceuticals

1:30 pm – 6:30 pm GOLF OUTING

2:30 pm – 4:30 pm TENNIS OUTING

1:00 pm – 5:15 pm EARLY CAREER SESSION

1:00 pm – 2:00 pm VTE Principles & Interventions

1:00 pm Overview of Literature for Treatment of Acute AVT  Suresh Vedantham

1:08 pm Treatment of Chronic DVT  Efthymios “Makis” Avgerinos

1:16 pm DOAC: Pick your Poison  Raghu Kolluri

1:24 pm When and How to Handle Reintervention for Previously Treated Deep Venous Disease  Erin Murphy

1:32 pm Deep Venous Stenting Principles in Patients with Concurrent Superficial Disease. What is Addressed First, and How I Approach it  Mark Garcia

1:40 pm Treatment of Acute PE  Ronald Winakur

1:48 pm Discussion

2:00 pm – 3:30 pm HANDS-ON WORKSHOP

(10 stations – 8 Minutes Per Station with Venous Expert and Industry Representative)

Station 1 Boston Scientific Vici Stent  Mikel Sadek
Station 2 Cook  Patrick Muck
Station 3 Medtronic  Kathleen Ozsvath
Station 4 Philips/IVUS  Paul Gagne
Station 5 Inari  Efthymios “Makis” Avgerinos
Station 6 EKOS  Faisal Aziz
Station 7 Bard/BD  Harry Ma
Station 8 Angiodynamics  Lowell Kabnick
Station 9 Penumbra  David Dexter
Station 10 Boston Scientific Anjiojet  Mark Garcia

3:30 pm – 3:45 pm BREAK

3:45 pm – 5:15 pm EARLY CAREER SESSION 2: EARLY CAREER PANEL

Moderator: Ruth Bush

3:45 pm They Say Money Can’t Buy Happiness – But You Need to Pay for Your Practice! Coding and Billing Tips (How to document and stay informed of changes in health policy)  Sheila Coogan

3:53 pm You Can Publish While You Practice: How to Incorporate Venous Research into your Clinical Work  Joseph Raffetto

4:01 pm How to Set up a Successful Outpatient Vein Practice  John Taggart

4:09 pm To Accredit or Not to Accredit my Vein Center  Ellen Dillavou

4:17 pm Creating a Balance: from A (Arteries) to V (Veins)  Kathleen Ozsvath

4:25 pm Veins and Wounds Go Leg-in-Leg: How to Collaborate with a Wound Care Center  Steve Elias

4:33 pm Appropriate Care for the Right Indication - Sometimes Less is More: Knowing When to Offer a Procedure  Elna Masuda

4:41 pm Practice Variations and How to Guard Against Potential Legal Implications  Ruth Bush

4:49 pm Contract Negotiations: How to Land the Right Job, Do Not Be Scared to Ask  Nasim Hedayati

4:57 pm Panel Discussion

7:00 pm – 10:00 pm AVF’S GOT TALENT DINNER GALA
6:00 am – 6:00 pm Registration/Information Desk Open

9:00 am – 1:00 pm Exhibit Hall Open (Includes Morning Coffee Break and Lunch)

6:30 am – 7:20 am Industry Sponsored Breakfast – BMS/Pfizer

7:30 am – 8:15 am EUROPEAN SESSION
Moderators: Dominik Heim and Elna Masuda

7:30 am The Graduated Compression as an Adjunt to Pharmacoprophylaxis in Surgery (GAPS) Trial Alun Davies

7:37 am EVRA – You Have Heard, But This is the Long-Term and Cost-Effectiveness Alun Davies

7:44 am EVF@AVF #1: From Open to Clean Vein Theory in CDT for Iliofemoral DVT Niels Baekgaard

7:51 am EVF@AVF #2: Progress in Understanding the Pathophysiology of C0s En An Pn Andrew Nicolaides

7:58 am EVF President @AVF Venous Ulcer: Surgery At Last Dominik Heim

8:05 am Q&A

8:15 am – 9:15 am CONCURRENT SESSION 1A: AMERICAN VEIN AND LYMPHATIC SOCIETY – ADVANCING ADVOCACY, RESEARCH & EDUCATION IN VENOUS & LYMPHATIC DISEASES
Moderators: Marlin Schul and Mark Meissner

8:15 am What Do We See on the Horizon? – Preparing for the Future Stephen Daugherty

8:25 am The Power of “Big Data” and Registry Collaboration Marlin Schul

8:35 am Where Do We Stand? - Guidelines and Classifications Mark Meissner

8:45 am Shifting from Overutilization to Underutilization - Deeper Dive into Improving Wisely Margaret Mann

8:55 am Discussion

8:15am – 9:15 am CONCURRENT SESSION 1B: SOCIETY OF VASCULAR MEDICINE SESSION – PRESENTATIONS TO THE VENOUS CONSULTANT WITH MANAGEMENT CONSIDERATIONS
Moderator: John Fish

8:15 am DVT Dilemma Teresa Carman

8:25 am An Interesting Case of LDS Steven Dean

8:35 am Bilateral Jugular Compression John Fish

8:45 am Complex Pelvic Venous Disease Andrew Seiwert

8:55 am Discussion

9:15 am – 9:45 am BREAK IN EXHIBIT HALL: Coffee Talk with Venous and Lymphatic Visionaries Superficial Venous Disease: Get a Free Second Opinion from A Key Opinion Leader William Marston, Robert McLafferty and Marc Passman

9:45 am – 12:00 pm PRESIDENT’S SESSION
Chair: Brajesh Lal

9:45 am 2017 AVF-JOBST Winner Annual Report Yogendra (Yogen) Kanthi,

9:50 am 2018 AVF-JOBST Research Award Report Efthymos (Makis) Avgerinos,

9:55 am 2019 AVF-JOBST Research Award Annual Report Andrea Obi

10:05 am AVF Distinguished Fellowship Awards
1. Edmund Harris, Jr.
2. Ramesh Tripathy
3. Glenn Jacobowitz

10:15 am CEAP Guideline Update Marc Passman

10:25 am Chronic Venous Disease AUC Guideline Update Elna Masuda

10:35 am Compression Guideline Update Fedor Lurie

10:45 am EHIT Guideline Update Lowell Kabnick

10:55 am C-Tract Update Suresh Vedantham

11:05 am VENOUS2020 ABSTRACT AWARD WINNERS:
Best AVF Abstract and Best International Session Abstract
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 11:15 am | President’s Introduction  
Harold Welch                        |
| 11:30 am | Presidential Address  
Brajesh Lal                                     |
| 12:00 pm – 1:15 pm | MEMBER LUNCH                          |
| 1:15 pm – 2:00 pm | CONCURRENT SESSION 2A: CEAP REVISION UPDATE  
Moderators: Marc Passman and Fedor Lurie |
| 1:15 pm | Rationale for CEAP Revision  
Marc Passman                            |
| 1:21 pm | CEAP Revision Process – Methodology  
Fedor Lurie                                |
| 1:27 pm | C Revision  
Mark Meissner                         |
| 1:33 pm | E Revisions  
Elana Masuda                        |
| 1:39 pm | A Revisions  
Harold Welch                     |
| 1:45 pm | P Revisions  
Ruth Bush                          |
| 1:51 pm | Panel Discussion / Questions                         |
| 1:15 pm – 2:00 pm | CONCURRENT SESSION 2B: PERT – THE VASCULAR SURGEON’S RESPONSIBILITY  
Moderators: Efthymios “Makis” Avgerinos and Apostolos Tassiopoulos |
| 1:15 pm | Why Should We Treat Pulmonary Emboli in 2020? – The UPMC Approach  
Efthymios “Makis” Avgerinos             |
| 1:23 pm | PERT Development and How I Established a Team Successful Team Approach  
Charles Ross                           |
| 1:31 pm | Difficult PE Cases – Tips & Tricks  
Linda Le                             |
| 1:39 pm | PE Thrombectomy Options – Thrombus Extraction, Not Thrombus Dissolution  
Matthew Recht                             |
| 1:47 pm | Q&A                                                      |
| 2:00 pm – 3:30 pm | CONCURRENT SESSION 3A: NATIONAL VENOUS REGISTRY AND QUALITY CONTROL: JOINT AVF AND SVS SESSION  
Moderators: Jose Almeida and Nicholas Osborne |
| 2:00 pm | Introduction and Vision for Future  
Jose Almeida                                   |
| 2:10 pm | Venous Stent Registry  
Marc Passman                               |
| 2:20 pm | Vericose Vein Registry  
Thomas Wakefield                           |
| 2:30 pm | IVC Filter Registry  
Antonios Gasparis                          |
| 2:40 pm | Research Priorities of the AVF from the Registry Data  
Brajesh Lal                                |
| 2:55 pm | Formation of Venous RAC  
Nicholas Osborne                          |
| 3:15 pm | Q&A                                                      |
| 2:00 pm – 3:30 pm | CONCURRENT SESSION 3B: VENOUS 2020: THE VENOUS CONSULT LIVE – WHAT SHOULD I DO?  
Presenters: Steve Elias and Antonios Gasparis |
| 3:30 pm – 4:00 pm | BREAK                                                 |
| 4:00 pm – 4:50 pm | SESSION 4: SUPERFICIAL VENOUS & LYMPHATIC (QUICK SHOTS)  
Moderators: Mark Iafrati and Anil Hingorani |
| 4:00 pm | Combined Use of N-Butyl-Cyanoacrylate and Foam Sclerotherapy in Great Saphenous Vein Truncal Ablation: Preliminary Experience  
Alongi Giovanni (AVF38)                     |
| 4:06 pm | Improvement of Neuropathy after Venous Ablation  
Paul Collier (AVF39)                        |
| 4:12 pm | Retrograde Administration of Ultrasound-Guided Endovenous Microfoam Chemical Ablation vs Endovenous Laser Ablation for the Treatment of Superficial Venous Insufficiency  
Steven Deak (AVF40)                        |
| 4:18 pm | Socioeconomic Status and Clinical Stage of Patients Presenting for Treatment of Varicose Veins  
Ali Rteil (AVF41)                             |
| 4:24 pm | Trends of Surgery for Varicose Veins in the Elderly  
Tanner Kim (AVF42)                        |
| 4:30 pm | Long-Term Saphenous Vein Occlusion Rate Following Endovenous Ablation  
Isabel Vasquez (AVF43)                        |
| 4:36 pm | Quality and Reliability of Online Patient Resources for Varicose Veins – Do We Know What is Out There?  
Qi Yan (AVF44)                               |
| 4:42 pm | Advanced Pneumatic Compression: Continued Improvement in Quality of Life Beyond Initial Early Benefits of Decreased Limb Girth  
Thomas Maldonado (AVF45)                     |
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<th>Time</th>
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<tbody>
<tr>
<td>4:50 pm</td>
<td>Examination of the Etiology of Re-intervention Following Deep Venous Stenting for Acute Iliofemoral Deep Venous Thrombosis</td>
<td>Anna Pouncey (AVF46)</td>
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<tr>
<td>4:56 pm</td>
<td>Lessons Learned from Revising Chronically Occluded Iliac Stents 2006-2019</td>
<td>Patricia Thorpe (AVF47)</td>
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<tr>
<td>5:02 pm</td>
<td>Value and Limitations of Post-Operative Duplexes for Iliac Vein Stenting</td>
<td>Anil Hingorani (AVF48)</td>
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<tr>
<td>5:08 pm</td>
<td>Popliteal Vein Compression, Obesity and Chronic Venous Insufficiency (CVI)</td>
<td>Andre van Rij (AVF49)</td>
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<tr>
<td>5:14 pm</td>
<td>Single Session Therapy for Symptomatic Proximal Upper Extremity Deep Venous Thrombosis</td>
<td>Tim Fuller (AVF50)</td>
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<tr>
<td>5:20 pm</td>
<td>Nutrition Evaluation in Ambulatory Patients with Chronic Wounds</td>
<td>Alexandra Clay (AVF51)</td>
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<tr>
<td>5:26 pm</td>
<td>Pre-operative Evaluation of the Subclavian Vein with Venography and IVUS in Paget Schroetter Syndrome</td>
<td>Jorge Ulloa (AVF52)</td>
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<td>5:32 pm</td>
<td>United States Intravascular Ultrasound Practice Trends: A 5 year Review of the Medicare Provider Utilization and Payment Database</td>
<td>Agustin Borjon (AVF53)</td>
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<td>5:38 pm</td>
<td>A Case Series of Plication for Popliteal Vein Aneurysms</td>
<td>Robert Beaulieu (AVF54)</td>
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<td>5:44 pm</td>
<td>Proximal Common Iliac Vein Stenosis May Mask a More Distal Stenosis:</td>
<td>Tin Leong (AVF55)</td>
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Save the Date

REGISTER NOW
February 24 - 27, 2021
LA CANTERA RESORT & SPA • SAN ANTONIO, TEXAS
Dr. Daniel Monahan invites you to join us for the Annual AVF Venous Open Golf Event which will tee off at 1:30pm on Thursday, March 5, 2020.

The Oak Marsh Golf Course is one of the truly classic Pete Dye-designed golf courses in the world. The course is noted for its tight fairways and small greens, meandering along serpentine salt marsh creeks and through the moss draped heritage oaks for which Amelia Island is famous.

Oak Marsh is included in Golf Digest’s prestigious list of the “Top 75 Resort Courses in the U.S.” and also was selected by Travel & Leisure Golf as one of “Florida’s 50 Finest Courses.”

Your registration fee of $170 includes 18 holes of golf with cart and may be submitted at www.AVFFoundation.org. Club rentals available through the golf course for $65.
Dr. Shekeeb Sufian and Dr. Bo Ekloff invite you to join them for the Annual AVF Venous Open Tennis Outing to commence at 2:30pm on Thursday, March 5, 2020.

Omni Amelia Island Plantation Resort tennis program, operated by Cliff Drysdale Tennis, has been recognized as one of the finest in the world, named the “No. 2 Tennis Resort on Florida’s East Coast” and a “Top 50 Tennis Resorts in the U.S.” by Tennis magazine. Legends of tennis including Andre Agassi, Martina Navratilova, Chris Evert, Martina Hingis, Maria Sharapova and the Williams sisters have enjoyed playing here beneath a canopy of majestic live oaks on Har-Tru® fast-dry clay courts.

Your registration fee of $40 includes 2 hours of tennis and Venous Open t-shirt and may be submitted at www.AVFFoundation.org. Racket rental is available through the golf course for $6.
The AVF Foundation Presents: “AVF’s Got Talent” at VENOUS2020. This year’s Gala is taking on a new look. Drs. Elna Masuda and Joann Lohr invite you to join them for “AVF’s Got Talent” at 7:00 pm on Thursday, March 5, 2020.

**DINNER** – Your evening begins with a cold beverage followed by regionally inspired food stations.

**AWARDS** – Following dinner, Dr. Brajesh Lal will present the awards for:
- 2020 VENOUS2020 Best Abstract Presentation
- 2020 VENOUS2020 Best Poster
- 2020 AVF-JOBST Research Grant Awardee
- 2020 Servier Scholarship Recipients

**ENTERTAINMENT** – Lights will go down and your talented AVF friends and colleagues will take the stage.
- Be amazed by world-renowned master magician Peter Glovizcki
- Enjoy the serenading of songster Bo Ekloff
- Roar with laughter with comedian Ken Slaw
- Memorialize your evening with Jeff Mendola, bringing your favorite cartoon and Sesame Street characters to life

If you have a talent you would like to share, contact Jeff Mendola at Jeffrey@VeinForum.org

**TICKETS** – “AVF’s Got Talent” Ticket includes (price $175 / person):
- Cocktails and non-alcoholic beverages
- Dinner
- Dessert and coffee
- Entertainment
- Dancing

3 Ways to Purchase Tickets:
- Purchase when registering for VENOUS2020 AVF Annual Meeting
- Contact AVF Office (847-752-5355 / info@avfmail.org)
- AVF CENTRAL at VENOUS2020 in the Exhibit Hall

ANY QUESTIONS, PLEASE CONTACT JEFF MENDOLA AT JEFFREY@VEINFORUM.ORG
Nestled on 1,350 acres at the tip of a barrier island off the Florida coast, this beautiful resort offers luxurious oceanfront accommodations with unparalleled views of the Atlantic Ocean, world-class resort pools, championship golf, and a full-service spa. Whether you prefer to stroll 3.5 miles of pristine beach, spend the day kayaking through Amelia Island’s preserved marshlands or tee off on one of our award-winning golf courses, you’ll never run out of adventure in this idyllic destination.
**REGISTRATION**  
AMERICAN VENOUS FORUM 32ND ANNUAL MEETING | MARCH 3-6, 2020 | DEADLINE FEBRUARY 17, 2020

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**Special Dietary Needs**  
Please list any ADA Compliance Needs

Please indicate if it is ok to have your name appear on a list of registered attendees:  
- Yes  
- No

For privacy protection we require your authorization to include your name, institution, city, state, and country on the meeting participant listing that will be distributed to attendees at the meeting (we do not release email information):  
- Yes, I would like to be included  
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<th>Day of Science</th>
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**FREE MEMBERSHIP**  
for Residents / Medical Students

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**DAY OF SCIENCE: BEYOND HEMODYNAMICS**  
*Note: The 2020 Day of Science is a separate registration fee and is on Tuesday, March 3rd.

**CANCELLATION POLICY:** If written notice of cancellation is received by February 12, 2020 any registration fees paid, ss a $100.00 administrative fee, will be refunded after the meeting. No refunds will be issued after this date. All cancellation requests should be email to caitlin@veritasmeetingsolutions.com.

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**Signature**  
Date

**Mail:** American Venous Forum, Attn: 2020 Annual Meeting, 1061 East Main Street, Suite 300 East Dundee, IL 60118  
**Phone:** 847-752-5355  
**Fax:** 847-960-3861  
**Email:** caitlin@veritasmeetingsolutions.com

Register Online and to view course information, please visit: www.veinforum.org. A PDF of the registration page will also be available on the website to print and mail or fax to the AVF office.
AVF1
Natural History of Stasis-Induced Deep Vein Thrombosis in a Murine Model and Application in the Clinical Setting: A Histochemical Approach
Aviva Gordon, John Nicklas, Catherine Luke, David Gordon, Andrea Obi, David Williams, Peter Henke
University of Michigan, Ann Arbor, MI, USA

AVF2
First Use of a Novel PAI-1 Inhibitor (MDI-2268) in Animal Model of Deep Vein Thrombosis and Attempts of Combined Antithrombotic Therapy
Maxim Shaydakov1,2, Joshua Rainey2, Daniel Lawrence2, Jose Diaz3
1Central Michigan University College of Medicine, Saginaw, MI, USA, 2University of Michigan, Ann Arbor, MI, USA, 3Vanderbilt University, Nashville, TN, USA

AVF3
Infrared Thermography (IRT) Confirms Inflammatory Differences in Refluxing Versus Competent Lower Extremity Veins
Ulka Sachdev, Lena Vodovozt, Derek Barclay, Yinling Lin, Ruben Zamora, Julie Bitner, Efthymios Avgerinos, Yoram Vodovotz
University of Pittsburgh Medical Center, Pittsburgh, PA, USA

AVF4
Outcomes of IVC Filter Placement in Patients with Perceived Contraindications to Anticoagulation
Kate Gates, Andrew Seiwert, Gregory Kasper, Elizabeth Wolff, Fedor Lurie
Jobst Vascular Institute, Toledo, OH, USA

AVF5
Prosthetic Valve for Post-Phlebitic Syndrome
Jorge Ulloa1, Marc Glickman1,2
1Fundacion Santa Fe - Universidad de los Andes, Bogota, Colombia, 2Fundacion Santa Fe, Bogota, Colombia

AVF6
Contralateral Limb Improvement in Patients Undergoing Iliofemoral Venous Stenting
Arjun Jayaraj, Chandler Noel, Seshadri Raju
The RANE Center - Vein, Lymph and DVT Clinics, Jackson, MS, USA

AVF7
Deep Venous Stenting is the Only Therapy to Improve Healing of Venous Leg Ulcerations in Patients with Deep Vein Stenosis
Abhisekh Mohapatra1, Karim Salem1, Efthymios Avgerinos1, Peter Lawrence2, Eric Hager3
1University of Pittsburgh Medical Center, Pittsburgh, PA, USA, 2University of California Los Angeles, Los Angeles, CA, USA

AVF8
Comparison of Two Clinical Scales to Assess the Post-Thrombotic Syndrome: Secondary Analysis of a Multicenter Randomized Trial of Pharmacomechanical Catheter-Directed Thrombolysis for Deep Vein Thrombosis
Angela Lee1, Chu-Shu Gu2, Vedanantis Suresh3, Clive Kearon3, Mark Blostein1, Susan Kahn1
1McGill University, Montreal, QC, Canada, 2McMaster University, Hamilton, ON, Canada, 3Washington University in St. Louis, St. Louis, MO, USA

AVF9
Quality of Life Outcomes for Patients Undergoing Deep Venous Stenting for Chronic Deep Venous Disease: A Tertiary Centre Experience Using the VEINES-QolSym
Rachael Morris1,2, Anna Pouncey1, Jean-Luc Duval1, James Hollins-Gibson1, Andrea Planas-Gaspar2, Belen Quintana2, Adam Gwozd1, Stephen Black1,2
1Academic Department of Vascular Surgery, King’s College London, London, United Kingdom, 2St Thomas’ Hospital, London, United Kingdom

AVF10
Mini-invasive Robotic Surgery for Nutcracker Syndrome
Fabien Thaveau1, Philippe Nicolini1, Charlotte Delay1, Celia Boulitrop1, Lydie Steinmetz2, Yannick Georg1, Anne Lejay1, Nabil Chakfé1
1Nouvel Hopital Civil, STRASBOURG, France, 2Clinique du Grand Large, LYON, France, 3Clinique Générale, ANNECY, France, 4Polyclinique de Franche Comté, BESANCON, France

AVF11
CEAP stages C0 – C1: What’s Happening Prior to Symptoms and Varices?
Chris Ragg
Angiologic Vein Centers Germany, Berlin, Germany

AVF12
Saphenous Sparing Segmental Radiofrequency Ablation for Small Saphenous Vein Reflux Treatment
Sergio Gianesini1,2, Erica Menegatti1, Maria Grazia Sibilla1, Marianna Mucignat1, Elisa Maietti1,2,3, Paolo Zamboni1
1University of Ferrara, Ferrara, Italy, 2Uniformed Services University of the Health Sciences, Bethesda, WA, USA, 3University of Bologna, Bologna, Italy

AVF13
12-Month Results of a Clinical Feasibility Study for Endovenous Valve Formation (EVF) to Treat Deep Vein Reflux
Thodur Vasudevan1, Andrew Hill2, Joel Gagnon2, Roman Varcoe3, David Robinson1
1Waikato Hospital, Hamilton, New Zealand, 2Auckland City Hospital, Auckland, New Zealand, 3Vancouer General Hospital, Vancouver, BC, Canada,

AVF14
Mass Spectrometry Analysis Demonstrates a Differential Metabolic Signature Dependant on Chronic Venous Disease Stage
Sarah Onida1, Jhia Teh1, Richmond Bergner2, Joseph Shalhoub3, Elaine Holmes3,2, Alun Davies1
1Academic Section of Vascular Surgery, Imperial College London, London, United Kingdom, 2Section of Computational and Systems Medicine, Imperial College London, London, United Kingdom, 3Health Futures Institute, Murdoch University, Perth, Australia
AVF15
Randomised Clinical Trial of Mechanochemical Ablation Versus Cyanoacrylate Adhesive for the Treatment of Varicose Veins (MOCCA)
Amjad Belramman, III, Roshan Bootun, III, Tjun Yip Tang, III, Tristan R A Lane, Alun H Davies
1Section of Vascular Surgery, Floor 4 North, Charing Cross Hospital, Imperial College London, London, United Kingdom, London, United Kingdom, 2Singapore General Hospital and Sengkang General Hospital, Singapore, Singapore

AVF16
Reflux Volume Increases Caudally from Sapheno-Femoral Junction to the Distal Leg
Roman Tauraginskii, Sergei Simakov, Rishal Agalarov, Konstantin Mazaevshvili, Denis Borsuk, Fedor Lurie
1International Institution of Health Care and Additional Education Research Institute of Clinical Medicine, Irkutsk, Russian Federation, 2LLC Vein Center “Antireflux”, Surgut, Russian Federation, 3Moscow Institute of Physics and Technology, Moscow, Russian Federation, 4The Clinic of Phlebology and Laser Surgery “Vasculab” Ltd., Chelyabinsk, Russian Federation, 5Jobst Vascular Institute, Toledo, OH, USA, 6University of Michigan, Ann Arbor, MI, USA

AVF17
Outcomes of a Single-Center Experience of Endothermal Heat-Induced Thrombosis After Endovenous Ablation in Superficial Venous Disease
Maria Loson, Jr., Mariana Dotta, Jr., Fanny Rodriguez Santos, Jr., Carolina Marquez Fosser, Jr., Roxana Katsini, Jr., Carlos Pared, Sr., Hernan Bauza Moreno, Sr., Hugo Martinez, Sr.
Hospital Italiano de Buenos Aires, Capital Federal, Argentina

AVF18
Hybrid Treatment for Venous Popliteal Aneurysm
Miguel Amore
Military Hospital, Buenos Aires, Argentina

AVF19
Migraine: A Common and Unknown Symptom of Pelvic Congestion Syndrome
Rodolfo Rosenberg, Manuel Menes
1San Carlos of Guatemala University, Guatemala, Guatemala, 2Intervasc, Guatemala, Guatemala, 3Guatemalan Social Security Institute, Guatemala, Guatemala

AVF20
Ultrasound Anatomy of Dermal and Subdermal Venous Plexus
Alvaro Orrego
1San Sebastian University, Santiago, Chile, 2Laser & Veins, Vina del Mar, Chile

AVF21
Do Patients with Isolated Symptomatic Varicose Veins (C2 Disease) Improve Following Truncal Ablation?
Nicholas Osborne, Craig Brown, Andrea Obi, Jack Cronenwett, Lowell Kabnick, Thomas Wakefield
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AVF22
EPS: A New Etiology-Based Classification of Vein Insufficiency
Chris Ragg
Angioclinic Vein Centers Germany, Berlin, Germany

AVF23
Comparison of Unilateral vs Bilateral and Staged Bilateral vs Concurrent Bilateral Truncal Endovenous Ablation in the Vascular Quality Initiative
Craig Brown, Nicholas Osborne, Gloria Kim, Danielle Sutko, Thomas Wakefield, Andrea Obi, Issam Koleilat
1University of Michigan, Ann Arbor, MI, USA, 2Albert Einstein College of Medicine, Bronx, NY, USA

AVF24
Correlation Between Restless Leg Syndrome And Superficial Venous Reflux; A Single Center Retrospective Review
Aaron Dezube, Jake Rauh, Michael Dezube, Mark Iafrati, Paula Muto
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AVF25
Outcomes of Patients at Risk for Deep Vein Thrombosis Undergoing Endovenous Ablation on Systemic Anticoagulation
Jennifer Watson, M. Mansour, William Shell, Christina Hopps, Jill Ann LaForge, Matt Lypka, Erica Ringwald, Jalen Johnson
Spectrum Health, Grand Rapids, MI, USA

AVF26
Value and Limitations of Post-operative Duplex Checks for Endovenous Thermal Ablation (EVTA)
Pavel Kibrik, Jesse Chait, Michael Arustamyan, Ahmad Alsheekh, Sareh Rajase, Natalie Marks, Anil Hingorani, Enrico Ascher
Vascular Institute of New York, Brooklyn, NY, USA

AVF27
Reflux Duration Reference Data from the Vascular Lab
Joel Crawford, Antonios Gasparis, Nicos Labropoulos
1Newark Beth Israel/RWJ Saint Barnabas, Newark, NJ, USA, 2Stony Brook University Hospital, Stony Brook, NY, USA

AVF28
“Patient Preferences for Thermal Ablation vs. Non-thermal, Non-Tumescent Varicose Vein Treatments: A Choice-Based Conjoint (CBC) Analysis”
Peter Pappas, Candace Gunnarsson, Guy David
1Center For Vein Restoration, Glen Burnie, MD, USA, 2BTG, London, United Kingdom
AVF43
Long-Term Saphenous Vein Occlusion Rate Following Endovenous Ablation
Young Erben1, Isabel Vasquez1, Yupeng Li2, Peter Gloviczki1, Manju Kalra1, Gustavo Oderich1, Randall De Martino1, Haraldur Bjarnason2, Melissa Neisen1, January Moore1, João Da Rocha Franco1, Maria Sanchez-Valenzuela1, Gregory Frey1, Beau Toschik1, Houssam Fares1, Warner Oldenburg1, Jessica Gomez-Perez1, Justin Yarbrough1, Michael Adalia1, Samuel Money1, William Stone1, Victor Davila1, Andrew Meltzer1, Albert Hakaim1
1Mayo Clinic Florida, Jacksonville, FL, USA, 2Rowan University, Glassboro, NJ, USA, 3Mayo Clinic Minnesota, Rochester, MN, USA, 4Mayo Clinic Arizona, Scottsdale, AZ, USA

AVF44
Quality and Readability of Online Patient Resources for Varicose Veins - Do We Know What is Out There?
Qi Yan, Christian Goei, Katherine Jensen, Alyssa Langley, Lori Pounds, Mark Davies
UT Health San Antonio, San Antonio, TX, USA

AVF45
Advanced Pneumatic Compression: Continued Improvement in Quality of Life Beyond Initial Early Benefits of Decreased Limb Girth
Thomas Maldonado1, Frank Padberg2, Vittorio Rotella3, Glenn Jacobowitz1, Hyman Miller1, Todd Berland1, Mikel Sadek1
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AVF46
Examination of the Aetiology of Re-intervention Following Deep Venous Stenting for Acute Iliofemoral Deep Venous Thrombosis
Anna Pouncey, Taha Khan, Prakash Saha, Narayanan Thulasidasan, Stephen Black
Guy's and St Thomas’ NHS Foundation Trust, London, United Kingdom

AVF47
Lessons Learned from Revising Chronically Occluded Iliac Stents 2006-2019
Patricia Thorpe1, Francisco Osse2, Fabio Rossi3
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AVF48
Value and Limitations of Post-Operative Duplexes for Iliac Vein Stenting
Amrit Hingorani, Anil Hingorani, Jesse Chait, Pavel Kibrik, Ahmad Alsheekh, Ravdeep Oberoi, Enxhi Setllari, Enrico Ascher
Total Vascular Care, Brooklyn, NY, USA

AVF49
Popliteal Vein Compression, Obesity and Chronic Venous Insufficiency (CVI)
Andre van Rij, Rebecca Millen, Kate Thomas, Geraldine Hill, Matthew Versteeg
University of Otago, Dunedin, New Zealand

AVF50
Single Session Therapy for Symptomatic Proximal Upper Extremity Deep Venous Thrombosis
Tim Fuller, Evan Neville, Aaron Kulwicki, Brian Kuhn, Matthew Recht, Patrick Muck
Trihealth - Good Samaritan Hospital, Cincinnati, OH, USA

AVF51
Nutrition Evaluation in Ambulatory Patients with Chronic Wounds
Alexandra Clay1, Tiffany Truong2, Theresa Fisher2, Jessica Janes2, Teresa Lewis2, Teresa Carman1,2
1Case Western Reserve University School of Medicine, Cleveland, OH, USA, 2University Hospitals Cleveland Medical Center, Cleveland, OH, USA

AVF52
Pre-Operative Evaluation of the Subclavian Vein with Venography and IVUS in Paget Schroetter Syndrome
Jesus Ulloa, Rhusheet Patel, Hugh Gelabert
University of California Los Angeles, Los Angeles, CA, USA

AVF53
United States Intravascular Ultrasound Practice Trends: A 5 year Review of the Medicare Provider Utilization and Payment Database
Agustin Borjon, Jr1, Matther Haffiner2, Katherine Kiely2, Teah Qvavdze3, Joel Crawford4
1St Barnabas Medical Center, Department of General Surgery, Livingston, NJ, USA, 2Jersey City Medical Center, Jersey City, NJ, USA, 3Monmouth Medical Center, Long Branch, NJ, USA, 4Newark Beth Israel/ RWJ Barnabas Health, Newark, NJ, USA

AVF54
A Case Series of Plication for Popliteal Vein Aneurysms
Robert Beaulieu, Anna Boniakowski, Chandu Vemuri, Dawn Coleman, Andrea Obi, Thomas Wakefield
Department of Surgery, University of Michigan, Ann Arbor, MI, USA

AVF55
Proximal Common Iliac Vein Stenosis May Mask a More Distal Stenosis: A Phenomenon Unique to Veins
Tin Leong, Jesse Chait, Kevin Chun, Michael Marin, Peter Faries, Windsor Ting
Icahn School of Medicine at Mount Sinai, New York, NY, USA
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