

VENOUS2020

AMERICAN VENOUS FORUM 

MARCH 3

**DAY OF SCIENCE & INNOVATION:
BEYOND HEMODYNAMICS**

MARCH 4-6

SCIENTIFIC SESSIONS

AMERICAN VENOUS FORUM 32ND ANNUAL MEETING

MARCH 3 - 6, 2020 • AMELIA ISLAND, FLORIDA



Wi-Fi Network: *Beach* Password: *VENOUS20*



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College of Medicine

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Anil Hingorani
Total Vascular Care

Glenn Jacobowitz
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Atlantic Health,
Morristown Hospital Center

Manju Kalra
Mayo Clinic

Lois Killewich
University of Texas
Medical Branch

Soohyun Kim
Vascular Center of
Intervention

Brajesh Lal
University of Maryland
School of Medicine

Fedor Lurie
Jobst Vascular Institute

William Marston
University of North Carolina

Elna Masuda
Straub Medical Center/
Hawaii Pacific Health

Robert McLafferty
Oregon Health & Science
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Robert Merchant
The Reno Vein Clinic

Gregory Moneta
OR Health & Science
University, Vasc

Nick Morrison
Center for Vein
Restoration

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TriHealth-Good
Samaritan Hospital

Thomas O'Donnell
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Alvaro Orrego
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Frank Padberg
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Medical School

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The Center for
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Alessandra Puggioni
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Seshadri Raju
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Suresh Vedantham
Washington University
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Lahey Clinic

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Tokyo Women's Medical
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Zimmet Vein &
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**Thank you for your
support and loyalty**

Welcome



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

2019-2020 FACULTY

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Vascular Surgeon
Miami Vein
Miami, Florida

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7:30 am – 8:15 am AVFF Board of Directors Meeting

8:30 am – 9:30 am AVFF & AVF Joint Board of Directors Meeting

9:45 am – 11:30 am AVF Board of Directors Meeting

10:00 am – 6:00 pm Registration/Information Desk Open

11:00 am – 5:00 pm DAY OF SCIENCE AND INNOVATION: BEYOND HEMODYNAMICS

Moderators: *Fedor Lurie, Jose Diaz and Seshadri Raju*

11:00 am Introduction *Jose Diaz*

11:05 am – 12:10 pm Abstract Session

11:05 am (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

11:10 am Invited Commentary *Alan Dardik*

11:15 am Q & A

11:20 am (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 Shaydakov^{1,2}**, *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 ***No CME Credit for this talk**

11:25 am Invited Commentary *Joseph Raffetto*

11:30 am Q & A

11:35 am (AVF3) Infrared Thermography (IRT) Confirms Inflammatory Differences in Refluxing Versus Competent Lower Extremity Veins **Ulka Sachdev**, *Lena Vodovotz, Derek Barclay, Yinling Lin, Ruben Zamora, Julie Bitner, Efthymios Avgerinos, Yoram Vodovotz*
University of Pittsburgh Medical Center, Pittsburgh, PA, USA

11:40 am Invited Commentary *Fedor Lurie*

11:45 am Q & A

11:50 am (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

11:55 am Invited Commentary *Elna Masuda*

12:00 pm Q & A

12:05 pm Conclusions *Fedor Lurie*

12:10 pm – 1:30 pm LUNCH

1:30 pm Introduction *Fedor Lurie*

1:35 pm – 2:50 pm The Knowledge

1:35 pm Inflammation and its Resolution *Charles Serhan*

2:00 pm Veins Genetic Identity *Alan Dardik*

2:15 pm Images of Inflammation in Thrombosis *Farouc Jaffer*

2:30 pm Discussion: Translational and Clinical Implications

2:50 pm – 3:10 pm BREAK

TUESDAY, MARCH 3, 2020

AGENDA

3:10 pm – 3:40 pm The Gaps

3:10 pm Before the Reflux *Joseph Raffetto*

3:25 pm Before Signs: Pathophysiological Mechanisms of COs *Andrew Nicolaides*

3:40 pm – 4:35 pm The Bridges

3:40 pm Animal Models of Venous Obstruction *Alan Dardik*

3:50 pm Animal Models of Venous Thrombosis *Jose Diaz*

4:00 pm Using Clinical Trials for Basic and Translational Data *Andrei Kindzelski*

4:15 pm Discussion: Closing the Loop – Physics vs. Physiology

4:35 pm – 5:00 pm The Future

4:35 pm AVF-JOBST Awardees *Yogendra Kanthi, Andrea Obi and Maxim Shaydakov*

4:50 pm Imua - Going Forward *Fedor Lurie*

5:15 pm – 6:15 pm DAY OF SCIENCE RECEPTION / COCKTAILS

American Venous Forum 33rd Annual Meeting

— Register Today —

EARLY BIRD REGISTRATION RATES TILL MARCH 7TH

- Early Career and International Sessions
- Hands-on Labs
- Latest science, research, and publications
- Practical “How-To” information for better treatment of venous disease

VENOUS 2021
AMERICAN VENOUS FORUM

LA CANTERA RESORT & SPA
SAN ANTONIO, TEXAS

February 24 - 27, 2021





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 Breakfast

7:30 am – 11:50 am SUMNER SESSION: THE WISDOM AND EXPERIENCE OF THE PAST PRESIDENTS OF THE AVF Moderator: *Harold Welch*

7:30 am Introduction *Harold Welch*

7:35 am Selectins as a New Treatment for DVT – from Bench to Bedside *Thomas Wakefield*

7:45 am Seeing is Believing: The Evolution of Venous Imaging *Joann Lohr*

7:55 am What Did We Learn from the First (Multi-Society) Venous Appropriate Use Project? *Elna Masuda*

8:05 am Venous Disease and Famous Golfers *Thomas O'Donnell*

8:15 am Unsolved: A Greater Than 50 Year Search for a Substitute Venous Valve *Michael Dalsing*

8:25 am Are We Looking for Reflux in All The Wrong Places? *Seshadri Raju*

8:35 am Compression Stockings: What Do Patients Really Need? *John Blebea*

8:45 am The Concept of Axial Reflux: Definition and Potential Clinical Importance
Fedor Lurie and Robert Kistner

9:05 am Panel Discussion

9:20 am – 10:05 am BREAK

10:05 am No Man is an Island *Lowell Kabnick*

10:15 am The Caprini Score: Update 2020 *Joseph Caprini*

10:25 am Are Statins the Next Major Advance in the Management of VTE? *Anthony Comerota*

10:35 am Why Four AVF Presidents from Paradise? *Bo Eklof*

10:45 am The Need for Specialized Training in Venous Disease *Mark Meissner*

10:55 am JVS-VL: From Inception to an Impact Factor of 2.696 *Peter Gloviczki*

11:05 am Follow-up on Professionalism and Ethics: Have We Moved the Needle Any Since I Was AVF President? *Marc Passman*

11:15 am The Next Thrombosis Frontier: Preventing Breakthrough VTE *Peter Henke*

11:25 am Developing and Improving Leadership Skills in Societal Culture *Robert McLafferty*

11:35 am Panel Discussion

11:50 am – 12:50 am Industry Sponsored Lunch – Boston Scientific

12:55 pm – 1:00 pm PRESIDENT'S WELCOME — BRAJESH LAL

1:00 pm – 1:45 pm SESSION 1 – DEEP VENOUS DISEASE
Moderators: *Brajesh Lal and Patrick Muck*

1:00 pm (AVF5) Prosthetic Valve for Post-Phlebotic Syndrome *Jorge Ulloa¹, Marc Glickman^{1,2}*
¹Fundacion Santa Fe - Universidad de los Andes, Bogota, Colombia, ²Fundacion Santa Bogota, Colombia Discussant: *Joseph Raffetto*

1:11 pm (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

1:19 pm (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 Hager¹*
¹University of Pittsburgh Medical Center, Pittsburgh, PA, USA, ²University of California Los Angeles, Los Angeles, CA, USA

1:27 pm Q & A

1:45 pm – 2:30 pm

LATE BREAKING TRIALS #1

Moderators: *Ellen Dillavou and Joseph Raffetto*

- | | | |
|---------|--|-------------------------|
| 1:45 pm | Venovo Trial – Update on Early Usage Following the Vernacular Trial | <i>Mikel Sadek</i> |
| 1:53 pm | The Cook VIVO Clinical Study Design and Procedural Outcomes | <i>Anthony Comerota</i> |
| 2:01 pm | Update on the Vici Trial and Early Usage Following FDA Approval | <i>William Marston</i> |
| 2:09 pm | Sentry Bioconvertible IVC Filter: Clinical Evidence, Experience, and Two-Year Outcomes | <i>Gregory Kasper</i> |
| 2:17 pm | Medtronic's Abre – A Venous Stent Trial Update | <i>Erin Murphy</i> |

2:30 pm – 4:00 pm INTERNATIONAL SESSION: SHARING EXCELLENCE IN GLOBAL VENOUS SCIENCE

- | | | |
|---------|---|---|
| 2:30 pm | Welcome and Introduction | <i>Lowell Kabnick and Jorge Ulloa</i> |
| 2:35 pm | (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 | <i>Angela Lee¹, Chu-Shu Gu², Vedantham Suresh³, Clive Kearon², Mark Blostein¹, Susan Kahn¹</i>
¹ McGill University, Montreal, QC, Canada, ² McMaster University, Hamilton, ON, Canada, ³ Washington University in St. Louis, St. Louis, MO, USA |
| 2:42 pm | (AVF9) Quality of Life Outcomes For Patients Undergoing Deep Venous Stenting For Chronic Deep Venous Disease: A Tertiary Centre Experience Using The VEINES-QoL/Sym | <i>Rachael Morris^{1,2}, Anna Pouncey², Jean-Luc Duval¹, James Hollins-Gibson¹, Andrea Planas-Gaspar², Belen Quintana², Adam Gwozdz¹, Stephen Black^{1,2}</i>
¹ Academic Department of Vascular Surgery, King's College London, London, United Kingdom, ² St Thomas' Hospital, London, United Kingdom |
| 2:49 pm | (AVF10) Mini-invasive Robotic Surgery for Nutcracker Syndrome | <i>Fabien Thaveau¹, Philippe Nicolini², Charline Delay¹, Celia Boulitrop³, Lydie Steinmetz⁴, Yannick Georg¹, Anne Lejay¹, Nabil Chakfé¹</i>
¹ Nouvel Hopital Civil, STRASBOURG, France, ² Clinique du Grand Large, LYON, France, ³ Clinique Générale, ANNECY, France, ⁴ Polyclinique de Franche Comté, BESANCON, France |
| 2:56 pm | (AVF11) CEAP stages C0 – C1: What's Happening Prior to Symptoms and Varices? | <i>Chris Ragg</i>
Angioclinic Vein Centers Germany, Berlin, Germany |
| 3:03 pm | WITHDRAWN | |
| 3:10 pm | (AVF13) 12-Month Results of a Clinical Feasibility Study for Endovenous Valve Formation (EVF) to Treat Deep Vein Reflux | <i>Thodur Vasudevan¹, Andrew Hill², Joel Gagnon³, Roman Varcoe⁴, David Robinson⁵</i>
¹ Waikato Hospital, Hamilton, New Zealand, ² Auckland City Hospital, Auckland, New Zealand, ³ Vancouver General Hospital, Vancouver, BC, Canada, ⁴ Prince of Wales Private Hospital, Randwick, Australia, ⁵ Royal Prince Alfred Hospital, Camperdown, Australia |
| 3:17 pm | (AVF14) Mass Spectrometry Analysis Demonstrates A Differential Metabolic Signature Dependant On Chronic Venous Disease Stage | <i>Sarah Onida¹, Jhia Teh¹, Richmond Bergner², Joseph Shalhoub¹, Elaine Holmes^{2,3}, Alun Davies¹</i>
¹ Academic Section of Vascular Surgery, Imperial College London, London, United Kingdom, ² Section of Computational and Systems Medicine, Imperial College London, London, United Kingdom, ³ Health Futures Institute, Murdoch University, Perth, Australia |
| 3:22 pm | (AVF15) Randomised Clinical Trial of Mechanochemical Ablation Versus Cyanoacrylate Adhesive for the Treatment of Varicose Veins (MOCCA) | <i>Amjad Belramman, III¹, Roshan Bootun, III¹, Tjun Yip Tang, III², Tristan R A Lane¹, Alun H Davies¹</i>
¹ Section of Vascular Surgery, Floor 4 North, Charing Cross Hospital, Imperial College London, London, United Kingdom, ² Singapore General Hospital and Sengkang General Hospital, Singapore, Singapore |
| 3:27 pm | (AVF16) Reflux Volume Increases Caudally from Sapheno-Femoral Junction to the Distal Leg | <i>Roman Tauraginskii^{1,2}, Sergei Simakov³, Rishal Agalarov², Konstantin Mazayshvili², Denis Borsuk⁴, Fedor Lurie^{5,6}</i>
¹ International Institution of Health Care and Additional Education Research Institute of Clinical Medicine, Irkutsk, Russian Federation, ² LLC Vein Center "Antireflux", Surgut, Russian Federation, ³ Moscow Institute of Physics and Technology, Moscow, Russian Federation, ⁴ The Clinic of Phlebology and Laser Surgery "Vasculab" Ltd., Chelyabinsk, Russian Federation, ⁵ Jobst Vascular Institute, Toledo, OH, USA, ⁶ University of Michigan, Ann Arbor, MI, USA |



3:32 pm (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

3:37 pm (AVF18) Hybrid Treatment for Venous Popliteal Aneurysm **Miguel Amore**
Military Hospital, Buenos Aires, Argentina

3:42 pm (AVF19) Migraine: A Common and Unknown Symptom of Pelvic Congestion Syndrome **Rodolfo Rosenberg^{1,2}, Manuel Menes^{1,3}**
¹San Carlos of Guatemala University, Guatemala, Guatemala, ²Intervasc, Guatemala, Guatemala, ³Guatemalan Social Security Institute, Guatemala, Guatemala

3:47 pm (AVF20) Ultrasound Anatomy of Dermal and Subdermal Venous Plexus **Alvaro Orrego^{1,2}**
¹San Sebastian University, Santiago, Chile, ²Laser & Veins, Vina del Mar, Chile

3:52 pm Discussion

4:00 pm – 4:30 pm BREAK

4:30 pm – 6:00 pm VILLAVICENCIO SYMPOSIUM: ADVANCES IN PELVIC VENOUS DISEASE (PEVD)
Moderator: *Antonios Gasparis*

4:30 pm Pelvic Venous Anatomy and Pathology **Neil Khilnani**

4:38 pm Classification of Pelvic Venous Disorders **Mark Meissner**

4:46 pm Protocol in Ultrasound Imaging of the Pelvic Veins **Nicos Labropoulos**

4:54 pm Do You Need Axial Imaging? When and Why? **Ronald Winokur**

5:02 pm Treatment Algorithm and Technical Steps in Pelvic Reflux **Antonios Gasparis**

5:10 pm NIVL in the Setting of PCS: Should I Stent and When? **Kush Desai**

5:18 pm Role of Renal Vein Compression in PeVD **Peter Gloviczki**

5:24 pm Clinical Cases in PeVD and Interactive Discussion *(All Faculty)*

6:00 pm – 7:00 pm POSTER SESSION

7:00 pm – 8:30 pm WELCOME RECEPTION

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6:00 am – 5:00 pm Registration/Information Desk Open

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

6:30 am – 7:15 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 (AVF21) Do Patients with Isolated Symptomatic Varicose Veins (C2 disease) Improve Following Truncal Ablation? **Nicholas Osborne¹, Craig Brown¹, Andrea Obi¹, Jack Cronenwett², Lowell Kabnick³, Thomas Wakefield¹**
¹University of Michigan, Ann Arbor, MI, USA, ²Geisel School of Medicine at Dartmouth College, Hanover, NH, USA, ³LSK, Morristown, NJ, USA Discussant: *Sheila Coogan*
- 7:41 am (AVF22) EPS: A New Etiology-Based Classification of Vein Insufficiency **Chris Ragg**
 Angioclinic Vein Centers Germany, Berlin, Germany
- 7:49 am (AVF23) Comparison of Unilateral vs Bilateral and Staged Bilateral vs Concurrent Bilateral Truncal Endovenous Ablation in the Vascular Quality Initiative **Craig Brown¹, Nicholas Osborne¹, Gloria Kim¹, Danielle Sutzko¹, Thomas Wakefield¹, Andrea Obi¹, Issam Koleilat²**
¹University of Michigan, Ann Arbor, MI, USA, ²Albert Einstein College of Medicine, Bronx, NY, USA
- 7:57 am Q&A
- 8:13 am (AVF24) Correlation Between Restless Leg Syndrome And Superficial Venous Reflux; A Single Center Retrospective Review **Aaron Dezube^{1,2}, Jake Rauh³, Michael Dezube³, Mark Iafrati^{2,4}, Paula Muto^{1,3}**
¹St. Elizabeth Medical Center, Brighton, MA, USA, ²Tufts University School of Medicine, Boston, MA, USA, ³Muto Surgical, Andover, MA, USA, ⁴Tufts Medical Center, Boston, MA, USA
- 8:19 am (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
- 8:25 am (AVF26) Value and Limitations of Post-Operative Duplex Checks after Endovenous Thermal Ablation (EVTA) **Pavel Kibrik, Jesse Chait, Michael Arustamyan, Ahmad Alsheekh, Sareh Rajaei, Natalie Marks, Anil Hingorani, Enrico Ascher**
 Vascular Institute of New York, Brooklyn, NY, USA
- 8:31 am (AVF27) Reflux Duration Reference Data from the Vascular Lab **Joel Crawford¹, Antonios Gasparis², Nicos Labropoulos²**
¹Newark Beth Israel/RWJ Saint Barnabas, Newark, NJ, USA, ²Stony Brook University Hospital, Stony Brook, NY, USA
- 8:37 am (AVF28) Patient Preferences for Thermal Ablation vs. Non-thermal, Non-Tumescent Varicose Vein Treatments: A Choice-Based Conjoint (CBC) Analysis **Peter Pappas¹, Candace Gunnarsson², Guy David²**
¹Center For Vein Restoration, Glen Burnie, MD, USA, ²BTG, London, United Kingdom

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**
- 8:52 am EVF (European Venous Forum) Best Abstract #1 – Compression Following Endothermal Ablation – A Randomised Controlled Trial **Roshan 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**
- 9:20 am Update on the CLOUT Study (ClotTrier Registry) **David Dexter**
- 9:27 am 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**

9:35 am – 10:00 am BREAK IN EXHIBIT HALL: Coffee Talk with Venous and Lymphatic Visionaries Deep Venous Disease: Get a Free Second Opinion from a Key Opinion Leader Ellen Dillavou, Daniel Monahan and Peter Pappas



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*

10:40 am – 12:00 pm **SESSION 3 – VTE/IVC FILTERS** Moderators: *Ash Mansour and William Marston*

10:40 am (AVF29) Use of Advanced Therapies in Pulmonary Embolism: A Single Center Experience *Rafael Cires-Drouet¹, Shahab Toursavadkahi¹, Kristopher Deatrick¹, David Kaczorowski¹, Ronson Madathil¹, Lateaqua Alston¹, Kiran Motwani¹, Kimberly Cosetti¹, Zachary Strumpf¹, Praveen Chekka¹, Katherine McHale¹, Kaitlyn Elizalde¹, Megan Donohue¹, Avnee Kumar¹, Kai Sun¹, Chetan Pasrija¹, Minerva Carlin-Mayorga¹, John Sorkin^{1,2}, Brajesh Lal^{1,2}*
¹University of Maryland, Baltimore, MD, USA, ²Veterans Affairs Medical Center, Baltimore, MD, USA Discussant: *Efthymios "Makis" Avgerinos*

10:51 am (AVF30) Inferior Vena Cava Filter Placement and Removal Trends in United States: 6-Year Review of Medicare Provider Utilization and Payment Database *Teah Qvavadze¹, Matt Haffner², Fady Awad¹, Kate Kiely², Agustin Bojorn³, Joel Crawford⁴*
¹Monmouth Medical Center, Long Branch, NJ, USA, ²Jersey City Medical Center, Jersey City, NJ, USA, ³Saint Barnabas Medical Center, Livingston, NJ, USA, ⁴Newark Beth Israel/RWJ Saint Barnabas, Newark, NJ, USA

10:59 am (AVF31) Evolution and Usage of Catheter Directed Interventions For Acute Pulmonary Embolism *Adham Abou Ali, Zein Saadeddin, Georges Al-Khoury, Belinda Rivera-Lebron, Catalin Toma, Robert Maholic, Rabih Chaer, Efthymios Avgerino*
 University of Pittsburgh Medical Center, Pittsburgh, PA, USA

11:07 am (AVF32) Incidental Findings Discovered During Lower Extremity Venous Duplex Studies *Michael Dalsing^{1,2}, Lava Timsina¹, Dave Rollins², Andrew Gonzalez^{1,2}*
¹Indiana University School of Medicine, Indianapolis, IN, USA, ²Indiana University Health, Indianapolis, IN, USA

11:15 am Q&A

11:30 am (AVF33) Management of Inferior Vena Cava Thrombosis with FlowTrieve and ClotTrieve Systems without Pharmacomechanical Thrombolysis *Noor Shah¹, Brandt Wible², Joseph Paulisin³, Mina Zaki⁴, Patrick Lamparello¹, Mikel Sadek¹, Thomas Maldonado¹*
¹New York University, New York, NY, USA, ²Saint Luke's Health System, Kansas City, MO, USA, ³Ascension Genesys Hospital, Grand Blanc, MI, USA, ⁴Beaumont Hospital, Dearborn, MI, USA

11:36 am (AVF34) Clinicians' Opinion on the ATTRACT Trial – Results of an International Survey *Aleksandra Staniszewska, Sarah Onida, Tristan Lane, Alun Davies*
 Imperial College London, London, United Kingdom

11:42 am (AVF35) Outcomes of Endovascular Venous Stenting in Patients on Direct Oral Anticoagulants and Antiplatelet Therapy: A Single Center Experience *Katherine Hays, Michael Jolly, Raghu Kolluri*
 OhioHealth Heart and Vascular, Columbus, OH, USA

11:48 am (AVF36) Clinical Practice Trends of Inferior Vena Cava Filter Utilization at a Single Tertiary Care Center Over an 18 Year Period *John Axley¹, Matthew May², Zdenek Novak¹, Victoria Aucoin¹, Emily Spangler¹, Graeme McFarland¹, Danielle Sutzko¹, Benjamin Pearce¹, Mark Patterson¹, Adam Beck¹, Marc Passman¹*
¹University of Alabama at Birmingham, Birmingham, AL, USA, ²Mayo Clinic, Rochester, MN, USA

11:54 am (AVF37) Contemporary Management of Chronic Indwelling IVC filters: A Single Institutional Experience *Tommy Ivanics, Paul Williams, Hassan Nasser, Shravan Leonard-Murali, Scott Schwartz, Judith Lin*
 Henry Ford Hospital, Detroit, MI, USA

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**

THURSDAY, MARCH 5, 2020

AGENDA

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

EARLY CAREER SESSION 1: VENOUS STENTING AND THROMBECTOMY – RAPID FIRE DIDACTICS Moderators: *Kathleen Ozsvath and Patrick Muck*

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

- | | | |
|---------|---|------------------------------------|
| 1:00 pm | Overview of Literature for Treatment of Acute AVT | <i>Suresh Vedantham</i> |
| 1:08 pm | Treatment of Chronic DVT | <i>Efthymios "Makis" Avgerinos</i> |
| 1:16 pm | DOAC: Pick your Poison | <i>Raghu Kolluri</i> |
| 1:24 pm | When and How to Handle Reintervention for Previously Treated Deep Venous Disease | <i>Erin Murphy</i> |
| 1:32 pm | Deep Venous Stenting Principles in Patients with Concurrent Superficial Disease. What is Addressed First, and How I Approach it | <i>Mark Garcia</i> |
| 1:40 pm | Treatment of Acute PE | <i>Ronald Winakur</i> |
| 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 | <i>Mikel Sadek</i> |
| Station 2 | Cook | <i>Patrick Muck</i> |
| Station 3 | Medtronic | <i>Kathleen Ozsvath</i> |
| Station 4 | Philips/IVUS | <i>Paul Gagne</i> |
| Station 5 | Inari | <i>Efthymios "Makis" Avgerinos</i> |
| Station 6 | EKOS | <i>Faisal Aziz</i> |
| Station 7 | Bard/BD | <i>Harry Ma</i> |
| Station 8 | Thrombolex | <i>Riyaz Bashir</i> |
| Station 9 | Penumbra | <i>David Dexter</i> |
| Station 10 | Boston Scientific Anjojet | <i>Mark Garcia</i> |

3:30 pm – 3:45 pm BREAK

EARLY CAREER SESSION 2: EARLY CAREER PANEL Moderator: *Ruth Bush*

3:45 pm – 5:15 pm Starting a Successful Venous Practice

- | | | |
|---------|---|-------------------------|
| 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) | <i>Sheila Coogan</i> |
| 3:53 pm | You Can Publish While You Practice: How to Incorporate Venous Research into your Clinical Work | <i>Joseph Raffetto</i> |
| 4:01 pm | How to Set up a Successful Outpatient Vein Practice | <i>John Taggart</i> |
| 4:09 pm | To Accredite or Not to Accredite my Vein Center | <i>Ellen Dillavou</i> |
| 4:17 pm | Creating a Balance: from A (Arteries) to V (Veins) | <i>Kathleen Ozsvath</i> |
| 4:25 pm | Veins and Wounds Go Leg-in-Leg: How to Collaborate with a Wound Care Center | <i>Steve Elias</i> |
| 4:33 pm | Appropriate Care for the Right Indication - Sometimes Less is More: Knowing When to Offer a Procedure | <i>Elna Masuda</i> |
| 4:41 pm | Practice Variations and How to Guard Against Potential Legal Implications | <i>Ruth Bush</i> |
| 4:49 pm | Contract Negotiations: How to Land the Right Job, Do Not Be Scared to Ask | <i>Nasim Hedayati</i> |
| 4:57 pm | Panel Discussion | |

7:00 pm – 10:30 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 Adjunct 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: AVF/SVM – 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 Pelvic Venous Disease *Tony Gasparis*

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:
Edmund Harris, Jr., Ramesh Tripathy, 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

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 UPDATEModerators: *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 *Elna 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 RESPONSIBILITYModerators: *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 SESSIONModerators: *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 Varicose 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 (AVF38) Combined Use of N-Butyl-Cyanoacrylate and Foam Sclerotherapy in Great Saphenous Vein Truncal Ablation: Preliminary Experience *Giovanni Alongi¹, Daniele Bissacco²*
¹Angiocor Vascular Clinic, Messina, Italy, ²School of Vascular Surgery, University of Milan, Milan, Italy4:06 pm (AVF39) Improvement of Neuropathy after Venous Ablation *Leslee Dobson, Paul Collier*
Greater Pittsburgh Surgical Alliance, Sewickley, PA, USA4:12 pm (AVF40) Retrograde Administration of Ultrasound-Guided Endovenous Microfoam Chemical Ablation vs Endovenous Laser Ablation for the Treatment of Superficial Venous Insufficiency *Steven Deak*
Deak Vein NJ Clinic, Somerset, NJ, USA4:18 pm (AVF41) Socioeconomic Status and Clinical Stage of Patients Presenting for Treatment of Varicose Veins *Ali Rteil, Judith Lin, Mitchell Weaver, Syed Ahsan, Ali Lee, Loay Kabbani*
Henry Ford Hospital, Detroit, MI, USA4:24 pm (AVF42) Trends of Surgery for Varicose Veins in the Elderly *Tanner Kim¹, Yawei Zhang², Raul Guzman¹, Cassius Iyad Ochoa Chaar¹*
¹Yale University School of Medicine, New Haven, CT, USA, ²Yale University School of Public Health, New Haven, CT, USA



4:30 pm (AVF43) Long-Term Saphenous Vein Occlusion Rate Following Endovenous Ablation
Young Erben¹, Isabel Vasquez¹, Yupeng Li², Peter Gloviczki³, Manju Kalra³, Gustavo Oderich³, Randall De Martino³, Haraldur Bjarnason³, Melissa Neisen³, January Moore¹, Joao Da Rocha Franco¹, Maria Sanchez-Valenzuela¹, Gregory Frey¹, Beau Toskich¹, Houssam Farres¹, Warner Oldenburg¹, Jessica Gomez-Perez¹, Justin Yarbrough¹, Michael Adalia¹, Samuel Money⁴, William Stone⁴, Victor Davila⁴, Andrew Meltzer⁴, Albert H akaim¹
¹Mayo Clinic Florida, Jacksonville, FL, USA, ²Rowan University, Glassboro, NJ, USA, ³Mayo Clinic Minnesota, Rochester, MN, USA, ⁴Mayo Clinic Arizona, Scottsdale, AZ, USA

4:36 pm (AVF44) Quality and Reliability 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

4:42 pm (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*
¹New York University Langone Health, New York, NY, USA, ²East Orange Veterans Administration Hospital, East Orange, NJ, USA, ³Bronx Veterans Administration Hospital, Bronx, NY, USA

4:50 PM – 6:00 PM

SESSION 5: DEEP VENOUS (QUICK SHOTS)

Moderators: *Kathleen Ozsvath and Harold Welch*

4:50 pm (AVF46) Examination of the Etiology 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

4:56 pm (AVF47) Lessons Learned from Revising Chronically Occluded Iliac Stents 2006-2019 *Patricia Thorpe¹, Francisco Osse², Fabio Rossi³*
¹Pulse Cardiovascular Institute, Scottsdale, AZ, USA, ²Centro Endovascular de Sao Paulo, Sao Paulo, Brazil, ³Instituto Dante Pazzanese, Sao Paulo, Brazil

5:02 pm (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 Seitllari, Enrico Ascher*
 Total Vascular Care, Brooklyn, NY, USA

5:08 pm (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

5:14 pm (AVF50) Single Session Therapy for Symptomatic Proximal Upper Extremity Deep Venous Thrombosis *Tim Fuller, Evan Neville, Aaron Kulwicki, Audrey Muck, Brian Kuhn, Matthew Recht, Patrick Muck*
 Trihealth - Good Samaritan Hospital, Cincinnati, OH, USA

5:20 pm (AVF51) Nutrition Evaluation in Ambulatory Patients with Chronic Wounds *Alexandra Clay¹, Tiffany Truong¹, Theresa Fisher², Jessica Janes², Teresa Lewis², Teresa Carman^{1,2}*
¹Case Western Reserve University School of Medicine, Cleveland, OH, USA, ²University Hospitals Cleveland Medical Center, Cleveland, OH, USA

5:26 pm (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

5:32 pm (AVF53) United States Intravascular Ultrasound Practice Trends: A 5 year Review of the Medicare Provider Utilization and Payment Database *Agustin Borjon, Jr.¹, Matther Haffner², 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

5:38 pm (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

5:44 pm (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

6:00 pm Adjourn

RESORT MAP



WI-FI

Network: Beach

Password: VENOUS20



Golf & Tennis Events

Annual AVF Venous Open Golf Event

THURSDAY, MARCH 5, 2020

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.



Annual AVF Venous Open Tennis Outing

THURSDAY, MARCH 5, 2020

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.





Special Event

AVF Gala — “AVF’s Got Talent”

THURSDAY, MARCH 5, 2020

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

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
- Experience the serenading of songster Bo Ekloff
- Enjoy original songs and music by Dr. Robert McLafferty, accompanied by Dr. Bill Marston
- 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

AVF's got Talent



VENOUS2020
AMERICAN VENOUS FORUM



ACCREDITATION

In support of improving patient care, Rush University Medical Center is accredited by the American Nurses Credentialing Center (ANCC), the Accreditation Council for Pharmacy Education (ACPE), and the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing education for the healthcare team.

Rush University Medical Center designates this live activity for a maximum of 28.25 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only credit commensurate with the extent of their participation in the activity.

Objectives of the American Venous Forum 32nd Annual Meeting (2020):

1. Provide updated information on the latest management and treatment strategies for venous and lymphatic care
2. Inform participants and audience of the current health care policies that may affect reimbursement
3. Provide an update of AVF initiatives including guidelines, revised CEAP and VQI Updates
4. Discuss latest in basic science and new technologies in managing latest venous and lymphatic pathologies.
5. Provide a hands on session with the latest FDA approved venous technologies

This activity is funded in part by unrestricted educational grants from Cook Medical and Philips.



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POSTER 1

Does Kidney Transplantation Increase the Risk of Ipsilateral Deep Vein Thrombosis?

Shahnur Ahmed, Dean Kim, Lauren Malinzak, Ali Rteil, Loay Kabbani
Henry Ford Hospital, Detroit, MI, USA

POSTER 2

Venous Hypertension and Lymphedema of Lower Limbs "The Key Role of Lymph Nodes Veins"

Miguel Mmore^{1,2}, Cristobal Papendieck²

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POSTER 3

Left Renal Vein Transposition for Nutcracker Syndrome in a Patient with Multiple Vascular Entrapment Phenomenon

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POSTER 4

Safety of Compression Therapy in Congestive Heart Failure

Robert Attaran, Amanda Cavanaugh, Cynthia Tsay, Tariq Ahmad, Cassius Ochoa-Chaar, Scott Persing, Henry Hsia

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POSTER 5

Safety Outcomes of Catheter Directed Thrombolysis for Deep Vein Thrombosis

Aneil Bhalla, Carlos Mena-Hurtado, Robert Attaran

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POSTER 6

Therapeutic Education Combined with Balneotherapy in Lymphedema Patients

Patrick Carpentier, Bernadette Satger, Jerome Laures

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Multidisciplinary Treatment of Phlegmasia Cerulea Dolens with Pharmacomechanical Intervention

Amrina Cheema, Anil Syal, Rakesh Ahuja, Nadia Awad, Evan Deutsch, Rashad Choudry

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POSTER 8

Incidence and Clinical Outcomes of Patients with Upper-Extremity Deep Vein Thrombosis

Rafael Cires-Drouet¹, Frederick Durham¹, Jashank Sharma¹, Praveen Cheeka¹, Zachary Strumpf¹, Erica Cranston¹,

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POSTER 9

Case Report: Cystic Compression of Bilateral Femoral Veins

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POSTER 10

Health Insurance Coverage for Endovenous Ablation of the Saphenous Vein in Patients with CEAP Clinical Class 3 (C3) Disease: An Analysis of One State's Insurance Policies

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POSTER 11

Endovascular Reconstruction of a Congenitally Absent Inferior Vena Cava

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POSTER 12

Risk Factors for Early Iliac Vein Stent Thrombosis for NIVLs

Amrit Hingorani, Anil Hingorani, Jesse Chait, Enrico Ascher

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POSTER 13

Azygous Continuation of the Inferior Vena Cava Presenting as Lower Extremity Deep Vein Thrombosis and Pulmonary Embolism: Case Report and Literature Review

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POSTER 14

Photoacoustic-guided Endovenous Laser Ablation to Improve Catheter Visualization and Temperature Monitoring: In Vivo Canine Study

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POSTER 15

United States Endovascular Venous Stenting Trends: A Review of Medicare Provider Utilization and Payment Database from 2014-2017

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POSTER 16

Multimodal Treatment of Persistent Chronic Venous Ulceration with Normal Non-Invasive Studies

Alexander Lam, Evan Deutsch, Rashad Choudry, Aaron Ilano, George Manis, Nadia Awad

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Measurement of Dedicated Venous Stents for Post-thrombotic Iliac Vein Lesion Using Intravascular Ultrasound

Judith Lin, Alexandra Morris, Loay Kabbani, Timothy Nypaver

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POSTER 18

Suprarenal IVC Filter Use is Safe in Peripartum Treatment of Iliofemoral DVT

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POSTER 19

An Old Age Disease Revisited: Syphilis

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POSTER 20

Negative Pressure Wound Therapy with Instillation Allows Fascial Suture Repair to Remain in Place in Complex Contaminated Wounds

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POSTER 21

Outcomes of Chronic Inferior Vena Cava and Iliac Vein Occlusion Treated with Angioplasty Alone

Ricardo Lopez, Edwin Takahashi, Robert McBane, Newton Neidert, Melissa Neisen, Ian McPhail, Christopher Reisenauer, Erica Knavel-Koepsel, Haraldur Bjarnason

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POSTER 22

The Economic Impact of Infections in Venous Leg Ulcer Patients

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POSTER 23

A New Association: Red Wine Stains in Left Lower Extremity and May Thurner Syndrome in Children. Diagnosis and Treatment

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POSTER 24

Surgical Plication to Treat a Symptomatic Axillary Venous Aneurysm in a Pediatric Patient

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POSTER 25

Pulsatile Phlebitis Due to Micro Arteriovenous Communications

Takaya Murayama

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POSTER 26

Enhancing Performance of Repeat Studies Following Incomplete Lower Extremity Venous Duplex Ultrasound (LEVUDUS)

Examinations: A Needed but Difficult to Achieve Objective

Khanh Nguyen, Rikki Samuel, Shelby Van Leuven, Leon Wong, Shirin Ferdosian, Megan Mertz, Gregory Moneta

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Clinical Conditions Associated With Ultra-high (>5,000 ng/ml) Levels of D-dimer

Drew Oostra, Todd Russell, John Fish, Elizabeth Wolff, Fedor Lurie

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POSTER 28

Multidisciplinary Approach to Lower Extremity Hospital Acquired Tissue Injury Can Identify Vascular Etiologies

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POSTER 29

Initial Experience with the INARI ClotTrier Mechanical Venous Thrombectomy Device for Iliofemoral Deep Venous Thrombosis

Hunter Ray, Kristofer Charlton-Ouw, Naveed Saqib, Stuart Harlin

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POSTER 30

Ascending Lumbar Vein Angioplasty and Stenting to Improve Lower Extremity Venous Drainage in the Setting of Ipsilateral Common Iliac Vein Occlusion

Hunter Ray, Stuart Harlin

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Percutaneous Mechanical Thrombectomy with the ClotTrier Device for the Treatment of Ilio-femoral Deep Vein Thrombosis: Initial Experience and Short Term Outcomes

Lima Rodriguez, Andrew McChesney, Huiting Chen, Animesh Rathore, Jean Panneton, David Dexter

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POSTER 32

The Use of Adhesive Venous Closure for CEAP C6 Venous Disease Following Radiofrequency Ablation

Scott Safir, Sungyup Kim, Rami Tadros, Windsor Ting, Michael Marin, Ajit Rao, Peter Faries

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Diagnostic Yield of Intravascular Ultrasound in Patients with Clinical Signs and Symptoms of Lower Extremity Venous Disease

Taimur Saleem, Alexander Knight, Seshadri Raju

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POSTER 34

Effect of Iliofemoral-caval Venous Intervention on Lower Extremity Compartment Pressures in Patients with Chronic Venous Insufficiency

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The Global Prevalence of Chronic Venous Disease (CVD)

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POSTER 36

Water-jet Assisted Liposuction (WAL): Awake, Comfortable and Relaxed

Nadiv Shapira, Stephanie McLane

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POSTER 37

Statewide Outcomes of Outpatient Venous Interventions

Maxim Shaydakov, Dimitrios Zikos, John Blebea

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POSTER 38

Reflux Volume is Determined Mainly by the Ejection Volume from the Calf Reservoir

Roman Tauraginskii^{1,2}, Konstantin Zhdanov³, Sergei Simakov⁴, Denis Borsuk³, Konstantin Mazayshvili², Fedor Lurie^{5,6}

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POSTER 39

Combined Approach to Treating Thoracic Outlet Obstruction: Robotic Rib Resection with Completion Venogram

Allison Thomas¹, Joanna Sesti¹, Michael Addis¹, Christa Milici¹, Joel Crawford²

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POSTER 40

Body Dysmorphic Disorder in Patients with Telangiectasias

Jorge Ulloa, Javier Bravo, Alejandro Pedrazzoli, Carlos Simkin, Julian Javier, Fabricio Santiago

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POSTER 41

Reporting Outcomes of EVLA of GSV

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POSTER 42

Villalta Scores in Patients Without a History of Post Thrombotic Syndrome (PTS)

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POSTER 43

Deep Vein Stent Patency Outcomes After Eight Years of Surveillance

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