VENOUS 2020
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
DISTINGUISHED FELLOWS

Jose Almeida
Miami Vein

Pier Luigi Antignani
Vascular Centre Nuova
Villa Claudia, Rome, Italy

John Blebea
Central Michigan University
College of Medicine

Ruth Bush
University of Houston
College of Medicine

Patrick Carpentier
Grenoble - Alps University

Rabih Chaer
University of Pittsburgh
Medical Center

Anthony Comerota
Inova Heart and Vascular Institute

Michael Dalsing
Indiana University
Medical School

Jose Antonio Diaz
Vanderbilt University
Medical Center

Antonios Gasparis
Stony Brook Medical Center

Monika Gloviczki
Vascular Science & Art LLC

Peter Gloviczki
Mayo Clinic

Edmund Harris, Jr.
Stanford University

Anil Hingorani
Total Vascular Care

Glenn Jacobowitz
NYU Langone Health

Lowell Kabnick
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 University

Mark Meissner
University of Washington
Medical Center

Robert Merchant
The Reno Vein Clinic

Gregory Moneta
OR Health & Science University, Vasc

Nick Morrison
Center for Vein Restoration

Patrick Muck
TriHealth-Good Samaritan Hospital

Thomas O’Donnell
Tufts Medical Center

Alvaro Orrego
Laser & Veins

Frank Padberg
Rutgers-New Jersey Medical School

Peter Pappas
The Center for Vein Restoration

Marc Passman
University of Alabama at Birmingham

Alessandra Puggioni
Yourveins of AZ

Joseph Raffetto
VA Boston Healthcare System

Seshadri Raju
The Rane Center

Viktor Rapovka
Pacific State Medical University

John E. Rectenwald
University of Wisconsin
School of Medicine and Public Health

Michael Ricci
Highline Medical Center

Thom Rooke
Mayo Clinic

Alfonso Tafur
Northshore University Healthsystem

Ramesh Tripathi
University of Queensland

Jorge H. Ulloa
Fundacion Santa Fe

Michael Vasquez
The Venous Institute of Buffalo

Suresh Vedantham
Washington University in St. Louis

Thomas Wakefield
University of Michigan Medicine

Harold Welch
Lahey Clinic

Takashi Yamaki
Tokyo Women’s Medical University Medical Center East

Steven Zimmet
Zimmet Vein & Dermatology

Thank you for your support and loyalty
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

JOSE ALMEIDA
Vascular Surgeon
Miami Vein
Miami, Florida

EFTHYMIOU "MAKIS" AVGERINOS
Associate Professor of Surgery
University of Pittsburgh Medical Center
Pittsburgh, Pennsylvania

FAISAL AZIZ
Division Chief
Penn State University
Hershey, Pennsylvania

NIELS BAEKGAARD
Associate Professor Emeritus
Vascular Clinic, Gentofte Hospital
Copenhagen, Denmark

ANTHONY COMEROTA
Medical Director Eastern Region
Inova Heart and Vascular Institute
Alexandria, Virginia

SHEILA COOGAN
Associate Professor of Surgery
McGovern Medical School at UT Houston
Houston, Texas

MICHAEL DALSING
Vascular Surgeon
Indiana University Medical School
Indianapolis, Indiana

ALAN DARDIK
Physician
Yale University School of Medicine
New Haven, Connecticut

ALUN DAVIES
Professor
Imperial College London
London, United Kingdom

STEVEN DEAN
Clinical Professor of Medicine
The Ohio State University
Columbus, Ohio

KUSH DESAI
Associate Professor of Radiology, Surgery, and Medicine
Northwestern University Feinberg School of Medicine
Chicago, Illinois

DAVID DEXTER
Vascular Surgeon
Sentara Vascular Specialists
Virginia Beach, Virginia

JOSE DIAZ,
MD - Director of the Division of Surgical Research
Vanderbilt University Medical Center
Nashville, Tennessee

ELLEN DILLAVOU
Associate Professor of Surgery
Duke University Medical Center
Chapel Hill, North Carolina

BO EKLOF
Emeritus Clinical Professor
University of Lund
Heisingborg, Sweden

STEVE ELIAS
Director, Center for Vein Disease
Englewood Health Network
Englewood Hospital and Medical Center
Englewood, New Jersey

JOHN FISH
Director of Vascular Medicine
JOBST Vascular Institute
Perrysburg, Ohio

PAUL GAGNE
Vascular Surgeon
Southern Connecticut Vascular Center
Darien, Connecticut

MARK GARCIA
Founder and Medical Director
Endovascular Consultants
Centerreach, New York

GLENN JACOBOWITZ
Chief - Division of Vascular and Endovascular Surgery, NYU
Langone Health
NYU Langone Health
New York, New York

farouc jaffer
Associate Professor of Medicine,
Harvard Medical School
Massachusetts General Hospital
Boston, Massachusetts

LOWELL KABNICK
Attending Physician
Atlantic Health, Morristown
Hospital Center
Morristown, New Jersey

YOGENDRA KANTHI
Assistant Professor Cardiovascular & Vascular Medicine University of Michigan
University of Michigan Health System
Ann Arbor, Michigan

NEIL KHILNANI
Associate Professor
Weill Cornell Medicine - New York Presbyterian Hospital
New York, New York

ANDREI KINDZELISKI
Program Director
NIH-NHLBI - Division of Blood Diseases & Resources
Bethesda, Maryland

ROBERT KISTNER
Retired
Kistner Vein Center
Honolulu, Hawaii

ANGELA KOKKOSIS
Vascular Surgeon
Stony Brook University Medical Center
Stony Brook, New York

RAGHU KOLLURI
System Medical Director - Vascular Medicine
Ohio Health Heart and Vascular Columbus, Ohio

BRIAN KUHN
Vascular Surgeon
TriHealth-Good Samaritan Hospital
Cincinnati, OH

American Venous Forum 32nd Annual Meeting | March 3 - 6, 2020
<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Position</th>
<th>Institution/Location</th>
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<tbody>
<tr>
<td>NICOS LABROPOULOS</td>
<td>Director, Vascular Laboratory</td>
<td>Stony Brook Medical Center, Stony Brook, New York</td>
</tr>
<tr>
<td>BRAJESH LAL</td>
<td>Professor of Surgery</td>
<td>University of Maryland School of Medicine, Baltimore, Maryland</td>
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<tr>
<td>LINDA LE</td>
<td>Vascular Surgeon</td>
<td>Houston Methodist Hospital, Houston, Texas</td>
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<tr>
<td>JOANN LOHR</td>
<td>Vascular and General Surgeon</td>
<td>William Jennings Bryan Dorn VA Medical Center, Columbia, South Carolina</td>
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<tr>
<td>FEDOR LURIE</td>
<td>Associate Director, Director of the Vascular Institute</td>
<td>Toledo, Ohio</td>
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<tr>
<td>HARRY MA</td>
<td>Physician</td>
<td>The Vascular Experts, New London, Connecticut</td>
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<tr>
<td>MARGARET MANN</td>
<td>Associate Professor</td>
<td>University Hospital, Westlake, Ohio</td>
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<tr>
<td>ASHRAF MANSOUR</td>
<td>Vascular Surgeon</td>
<td>Spectrum Health, MSU, Grand Rapids, Michigan</td>
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<tr>
<td>WILLIAM MARSTON</td>
<td>Physician</td>
<td>University of North Carolina, Chapel Hill, North Carolina</td>
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<tr>
<td>ELNA MASUDA</td>
<td>Chief of Vascular Surgery</td>
<td>Straub Medical Center, Honolulu, Hawaii</td>
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<td>ROBERT MCLAFFERTY</td>
<td>Chief of Surgery</td>
<td>VA Portland Health Care System, Portland, Oregon</td>
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<tr>
<td>MARK MEISSNER</td>
<td>Peter Gloviczki Professor of Venous &amp; Lymphatic Disease</td>
<td>University of Washington, Medical Center, Seattle, Washington</td>
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<td>ABDELAHIME MOHAMED</td>
<td>Clinical Fellow</td>
<td>Hull York Medical School, Hull, United Kingdom</td>
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<tr>
<td>DAN MONAHAN</td>
<td>Surgeon</td>
<td>Monahan Vein Clinic, Roseville, California</td>
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<tr>
<td>NICHOLAS MOUAWAD</td>
<td>Vascular Surgeon</td>
<td>McLaren Bay Region, Bay City, Michigan</td>
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<tr>
<td>PATRICK MUCK</td>
<td>Program Director Vascular Residency &amp; Fellow</td>
<td>TriHealth-Good Samaritan Hospital, Cincinnati, Ohio</td>
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<tr>
<td>ERIN MURPHY</td>
<td>Director, Venous and Lymphatic Institute</td>
<td>Sanger Heart &amp; Vascular Institute, Charlotte, North Carolina</td>
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<tr>
<td>ANDREW NICOLAIDES</td>
<td>Emeritus Professor of Vascular Surgery</td>
<td>Imperial College London / University of Cyprus, Cyprus, Greece</td>
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<tr>
<td>ANDREA OBI</td>
<td>Assistant Professor of Vascular Surgery</td>
<td>University of Michigan, Ann Arbor, Michigan</td>
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<td>THOMAS O’DONNELL</td>
<td>Emeritus Professor of Surgery</td>
<td>Tufts Medical Center, Boston, Massachusetts</td>
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<td>NICHOLAS OSBORNE</td>
<td>Assistant Professor of Surgery</td>
<td>University of Michigan, Ann Arbor, Michigan</td>
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<td>PETER PAPPAS</td>
<td>Regional Medical Director and Venous and Lymphatic Medicine Program Director</td>
<td>The Center For Vein Restoration, Union, New Jersey</td>
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<tr>
<td>MARC PASSMAN</td>
<td>Regional Medical Director and Professor of Surgery</td>
<td>University of Alabama at Birmingham, Birmingham, Alabama</td>
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<tr>
<td>JOSEPH RAFFETTO</td>
<td>Chief of Vascular Surgery</td>
<td>VA West Roxbury MA, VA Boston Healthcare System, West Roxbury, Massachusetts</td>
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<tr>
<td>MATTHEW RECHT</td>
<td>Vascular Surgeon</td>
<td>TriHealth-Good Samaritan Hospital, Cincinnati, Ohio</td>
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<tr>
<td>CHARLES ROSS</td>
<td>Vascular/Endovascular Surgeon</td>
<td>Piedmont Heart Institute, Atlanta, Georgia</td>
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<tr>
<td>MICHAEL SADEK</td>
<td>Director, NYU Langone Vein Center</td>
<td>New York University Langone Health, New York, New York</td>
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<tr>
<td>ANDREW SEIWERT</td>
<td>Vascular Surgeon</td>
<td>JOBST Vascular Institute, Toledo, Ohio</td>
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<td>CHARLES SERHAN</td>
<td>Professor of Anesthesia</td>
<td>Brigham and Women’s Hospital, Boston, Massachusetts</td>
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<tr>
<td>MICHAEL SADEK</td>
<td>Director, NYU Langone Vein Center</td>
<td>New York University Langone Health, New York, New York</td>
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<td>CHARLES SERHAN</td>
<td>Vascular Surgeon</td>
<td>TriHealth-Good Samaritan Hospital, Cincinnati, Ohio</td>
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<tr>
<td>MARLIN SCHUL</td>
<td>Vascular Surgeon</td>
<td>Lafayette Regional Vein &amp; Laser Center, Lafayette, Indiana</td>
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<tr>
<td>JOSEPH RAFFETTO</td>
<td>Chief of Vascular Surgery</td>
<td>Fundacion Santa Fe, Bogota, Columbia</td>
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<tr>
<td>SURESH VEDANTHAM</td>
<td>Professor of Radiology &amp; Surgery</td>
<td>Washington University in St. Louis, St. Louis, Missouri</td>
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<tr>
<td>THOMAS WAKEFIELD</td>
<td>Professor of Surgery</td>
<td>University of Michigan, Ann Arbor, Michigan</td>
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<tr>
<td>HAROLD WELCH</td>
<td>Senior Vascular Surgeon</td>
<td>Lahey Clinic, Boston, Massachusetts</td>
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<tr>
<td>RONALD WINOKUR</td>
<td>Associate Professor of Radiology</td>
<td>Thomas Jefferson University, Philadelphia, Pennsylvania</td>
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<tr>
<td>7:30 am – 8:15 am</td>
<td>AVFF Board of Directors Meeting</td>
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<td>8:30 am – 9:30 am</td>
<td>AVFF &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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<td>10:00 am – 6:00 pm</td>
<td>Registration/Information Desk Open</td>
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<td>11:00 am – 5:00 pm</td>
<td>DAY OF SCIENCE AND INNOVATION: BEYOND HEMODYNAMICS</td>
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<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</td>
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<tr>
<td>11:05 am</td>
<td>(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</td>
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<tr>
<td>11:10 am</td>
<td>Invited Commentary Alan Dardik</td>
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<td>11:15 am</td>
<td>Q &amp; A</td>
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<td>11:20 am</td>
<td>(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 Rainey³, Daniel Lawrence⁴, Jose Diaz⁵¹ Central 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</td>
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<tr>
<td>11:25 am</td>
<td>Invited Commentary Joseph Raffetto</td>
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<td>11:30 am</td>
<td>Q &amp; A</td>
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<td>11:35 am</td>
<td>(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</td>
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<td>11:40 am</td>
<td>Invited Commentary Fedor Lurie</td>
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<td>11:45 am</td>
<td>Q &amp; A</td>
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<td>11:50 am</td>
<td>(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</td>
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<tr>
<td>11:55 am</td>
<td>Invited Commentary Elna Masuda</td>
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<td>12:00 pm</td>
<td>Q &amp; A</td>
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<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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<tr>
<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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<tr>
<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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<tr>
<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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</tbody>
</table>
3:10 pm – 3:40 pm The Gaps

3:10 pm Before the Reflux  Joseph Raffetto
3:25 pm Before Signs: Pathophysiological Mechanisms of C0s  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

VENOUS2021 AMERICAN VENOUS FORUM
LA CANTERA RESORT & SPA
SAN ANTONIO, TEXAS
February 24 - 27, 2021

#VENOUS2020 @VeinForum @americanvenousforum american-venous-forum veneous.org
WEDNESDAY, MARCH 4, 2020

AGENDA

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-Phlebitic Syndrome  Jorge Ulloa¹, Marc Glickman¹,²
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 Avgierinos¹, Peter Lawrence², Eric Hager³
¹University of Pittsburgh Medical Center, Pittsburgh, PA, USA, ²University of California Los Angeles, Los Angeles, CA, USA

1:27 pm Q & A
### WEDNESDAY, MARCH 4, 2020

#### AGENDA

**1:45 pm – 2:30 pm  LATE BREAKING TRIALS #1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Moderator</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:45 pm</td>
<td>Venovo Trial – Update on Early Usage Following the Vernacular Trial</td>
<td>Mikel Sadek</td>
</tr>
<tr>
<td>1:53 pm</td>
<td>The Cook VIVO Clinical Study Design and Procedural Outcomes</td>
<td>Anthony Comerota</td>
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<tr>
<td>2:01 pm</td>
<td>Update on the Vici Trial and Early Usage Following FDA Approval</td>
<td>William Marston</td>
</tr>
<tr>
<td>2:09 pm</td>
<td>Sentry Bioconvertible IVC Filter: Clinical Evidence, Experience, and Two-Year Outcomes</td>
<td>Gregory Kasper</td>
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<td>2:17 pm</td>
<td>Medtronic’s Abre – A Venous Stent Trial Update</td>
<td>Erin Murphy</td>
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**2:30 pm – 4:00 pm INTERNATIONAL SESSION: SHARING EXCELLENCE IN GLOBAL VENOUS SCIENCE**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Moderator</th>
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<tbody>
<tr>
<td>2:30 pm</td>
<td>Welcome and Introduction</td>
<td>Lowell Kabnick</td>
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<td>Jorge Ulloa</td>
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<tr>
<td>2:35 pm</td>
<td>(AVF8) Comparison of Two Clinical Scales to Assess the Post-Thrombotic Syndrome: Secondary Analysis of a Multicenter Randomized Trial of Pharmacomechanical Catheter-Directed Thrombolyis for Deep Vein Thrombosis</td>
<td>Angela Lee, Chu-Shu Gu, Vedantham Suresh, Clive Kearon, Mark Blostein, Susan Kahn</td>
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<tr>
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<td>McGill University, Montreal, QC, Canada, McMaster University, Hamilton, ON, Canada, Washington University in St. Louis, St. Louis, MO, USA</td>
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<tr>
<td>2:42 pm</td>
<td>(AVF9) Quality of Life Outcomes For Patients Undergoing Deep Venous Stenting For Chronic Venous Disease: A Tertiary Centre Experience Using The VEINES-QoL/Sym</td>
<td>Rachael Morris, Anna Pouncey, Jean-Luc Duval, James Hollins-Gibson, Andrea Planas-Gaspar, Belen Quintana, Adam Gwozdza, Stephen Black</td>
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<tr>
<td></td>
<td>1 Academic Department of Vascular Surgery, King's College London, London, United Kingdom, 2 St Thomas' Hospital, London, United Kingdom</td>
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<td>Nouvel Hopital Civil, STRASBOURG, France, Clinique du Grand Large, LYON, France, Polyclinique de Franche Comté, BESANCON, France</td>
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<tr>
<td>2:56 pm</td>
<td>(AVF11) CEAP stages C0 – C1: What’s Happening Prior to Symptoms and Varices?</td>
<td>Chris Ragg</td>
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<td>Angioclinic Vein Centers Germany, Berlin, Germany</td>
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<td>3:03 pm</td>
<td>WITHDRAWN</td>
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<td>3:10 pm</td>
<td>(AVF13) 12-Month Results of a Clinical Feasibility Study for Endovenous Valve Formation (EVF) to Treat Deep Vein Reflux</td>
<td>Thodor Vasudevan, Andrew Hill, Joel Gagnon, Roman Varcoe, David Robinson</td>
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<tr>
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<td>Waikato Hospital, Hamilton, New Zealand, Auckland City Hospital, Auckland, New Zealand, Vancouver General Hospital, Vancouver, BC, Canada, Prince of Wales Private Hospital, Randwick, Australia, Royal Prince Alfred Hospital, Camperdown, Australia</td>
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<td>3:17 pm</td>
<td>(AVF14) Mass Spectrometry Analysis Demonstrates A Differential Metabolic Signature Dependant On Chronic Venous Disease Stage</td>
<td>Sarah Onida, Jhia Teh, Richmond Berger, Joseph Shalhoub, Elaine Holmes, Alun Davies</td>
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<td>Sarah Onida, Richmond Berger, Joseph Shalhoub, Elaine Holmes, Alun Davies</td>
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<td>1 Academic Section of Vascular Surgery, Imperial College London, London, United Kingdom, Section of Computational and Systems Medicine, Imperial College London, London, United Kingdom, Health Futures Institute, Murdoch University, Perth, Australia</td>
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<tr>
<td>3:22 pm</td>
<td>(AVF15) Randomised Clinical Trial of Mechanochemical Ablation Versus Cyanoacrylate Adhesive for the Treatment of Varicose Veins (MOCCA)</td>
<td>Amjad Belramman, III, Roshan Bootun, III, Tjun Yip Tang, II, Tristan R A Lane, Alun H Davies</td>
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<td>1 Section of Vascular Surgery, Floor 4 North, Charing Cross Hospital, Imperial College London, London, United Kingdom, Singapore General Hospital and Sengkang General Hospital, Singapore, Singapore</td>
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<td>3:27 pm</td>
<td>(AVF16) Reflux Volume Increases Caudally from Sapheno-Femoral Junction to the Distal Leg</td>
<td>Roman Tauraginskii, Sergey Simakov, Rishal Agalarov, Konstantin Mazayshvil, Denis Borsuk, Fedor Lurie</td>
</tr>
<tr>
<td></td>
<td>1 International Institution of Health Care and Additional Education Research Institute of Clinical Medicine, Irkutsk, Russian Federation, 2 LLC Vein Center “Artifact”, Surgut, Russian Federation, Moscow Institute of Physics and Technology, Moscow, Russian Federation, The Clinic of Phlebology and Laser Surgery “Vascularb” Ltd., Chelyabinsk, Russian Federation, 3 Jobst Vascular Institute, Toledo, OH, USA, 4 University of Michigan, Ann Arbor, MI, USA</td>
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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 Rodríguez 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 Rosenberg1,2, Manuel Menes1,3

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 Orrego1,2

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

Join Today at AVF Central

LEADING VENOUS HEALTH THROUGH EDUCATION

Membership Benefits Include:

- Publications and News
- Comprehensive Venous and Lymphatic Education
- Venous Research Opportunities
- Career and Practice Growth
- Opportunity to Become a Leader in Venous Disease
- Make a Difference in Venous and Lymphatic Health
THURSDAY, MARCH 5, 2020

AGENDA

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 Osborne, Craig Brown, Andrea Obi, Jack Cronenwett, Lowell Kabnick, Thomas Wakefield

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 Brown, Nicholas Osborne, Gloria Kim, Danielle Sutzko, Thomas Wakefield, Andrea Obi, Issam Koleilat

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, Jake Rauh, Michael Dezube, Mark lafrati, Paula Muto

1St. Elizabeth Medical Center, Brighton, MA, USA, 2Tufts University School of Medicine, Boston, MA, USA, 3Muto Surgical, Andover, 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 Hoppes, 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 Rajae, 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 Crawford, Antonios Gasparis, Nicos Labropoulos

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 Pappas, Candace Gunnarsson, Guy David

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  Roshun 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 CLOT Study (ClotTriever 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
### Thursday, March 5, 2020

#### Agenda

<table>
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<tr>
<th>Time</th>
<th>Session/Activity</th>
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| 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-Drouet, Shahab Toursavadkohi, Krishopher Deatrick, David Kaczorowski,  
Ronson Madathil, Latequa Alston, Kiran Motwani, Kimberly Cosetti, Zachary Strumpf,  
Praveen Chekka, Katherine McHale, Kaitlyn Elizalde, Megan Donohue, Avnee Kumar,  
Kai Sun, Chetan Pasrija, Minerva Carlin-Mayorga, John Sorkin, Brajesh Lal  
1University of Maryland, Baltimore, MD, USA, 2Veterners 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 Qvavadze, Matt Haffner, Fady Awad, Kate Kiely, Agustin Bojorn, Joel Crawford  
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-Khouri, Belinda Rivera-Lebron,  
Catalin Toma, Robert Maholic, Rabih Chaer, Efthymios Avgerinos  
University of Pittsburgh Medical Center, Pittsburgh, PA, USA |
| 11:07 am | (AVF32) Incidental Findings Discovered During Lower Extremity Venous Duplex Studies  
Michael Dalising, Lava Timsina, Dave Rollins, Andrew Gonzalez  
1Indiana University School of Medicine, Indianapolis, IN, USA, 2Indiana University Health, Indianapolis, IN, USA |
| 11:15 am | Q&A |
| 11:36 am | (AVF34) Clinicians' Opinion on the ATTRACT Trial – Results of an International Survey  
Aleskandra 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  
Ohio Health 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 Axley, Matthew May, Zdenek Novak, Victoria Aucoin, Emily Spangler, Graeme McFarland, Danielle Sutzko, Benjamin Pearce,  
Mark Patterson, Adam Beck, Marc Passman  
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, Shrvan 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  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 Thrombolex  Riyaz Bashir
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 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)  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 Accredite or Not to Accredite 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 – 10:30 pm AVF’S GOT TALENT DINNER GALA
# American Venous Forum 32nd Annual Meeting  |  March 3 - 6, 2020

## AGENDA

**FRIDAY, MARCH 6, 2020**

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<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>6:00 am – 6:00 pm</td>
<td>Registration/Information Desk Open</td>
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| 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                                                           |
| 8:15 am – 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 Gaspari                                  |
| 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 Elma 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                                    |
**FRIDAY, MARCH 6, 2020**

**AGENDA**

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<th>Time</th>
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<td>12:00 pm – 1:15 pm</td>
<td><strong>MEMBER LUNCH</strong></td>
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| 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 **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 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 | 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 Alongi**¹, **Daniele Bissacco**²  
¹Angiocor Vascular Clinic, Messina, Italy, ²School of Vascular Surgery, University of Milan, Milan, Italy |
| 4:06 pm | (AVF39) Improvement of Neuropathy after Venous Ablation **Leslee Dobson**, **Paul Collier**  
Greater Pittsburgh Surgical Alliance, Sewickley, PA, USA |
| 4:12 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, USA |
Henry Ford Hospital, Detroit, MI, USA |
| 4:24 pm | (AVF42) Trends of Surgery for Varicose Veins in the Elderly **Tanner Kim**¹, **Yawei Zhang**², **Raul Guzman**³, **Cassius Iyad Ochoa Chaar**¹  
¹Yale University School of Medicine, New Haven, CT, USA, ²Yale University School of Public Health, New Haven, CT, USA, ³Yale University School of Public Health, New Haven, USA |

@VeinForum  @americanvenousforum  #VENOUS2020  american-venous-forum  veinforum.org
4:30 pm (AVF43) Long-Term Saphenous Vein Occlusion Rate Following Endovenous Ablation
Young Erben, Isabel Vasquez, Yupeng Li, Peter Gloviczki, Manju Kalra, Gustavo Oderich, Randall De Martino, Haraldur Bjarnason, Melissa Neisen, January Moore, Joao Da Rocha, Franco, Maria Sanchez-Valenzuela, Gregory Frey, Beau Toskich, Houssam Farres, Warner Oldenburg, Jessica Gomez-Perez, Justin Yarbrough, Michael Adalia, Samuel Money, William Stone, Victor Davila, Andrew Meltzer, Albert Hakaim
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 Maldonado, Frank Padberg, Vittorio Rotella, Glenn Jacobowitz, Hyman Miller, Todd Berland, Mikel Sadek
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 Thorpe, Francisco Osseo, Fabio Rossi
1Pulse Cardiovascular Institute, Scottsdale, AZ, USA, 2Centro Endovascular de Sao Paulo, Sao Paulo, Brazil, 3Istituto Dante, Pazzonese, Sao Paulo, Brazil

5:02 pm (AVF48) Value and Limitations of Post-Operative Duplexes for Iliac Vein Stenting Amir Hingorani, Anil Hingorani, Jesse Chait, Pavel Kibrik, Ahmad Alsheekh, Ravdeep Oberoi, Enxhi Setlllari, 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 Clay, Tiffany Truong, Theresa Fisher, Jessica Janes, Teresa Lewis, Teresa Carman
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., Matther Haffner, Katherine Kiely, Teah Qvavdze, Joel Crawford
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
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
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.
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 Mmore1,2, Cristobal Papendieck2
1Phlebology and Lymphology unit. Cardiovascular Surgery Division, Central Military Hospital, Buenos Aires, Argentine., Buenos Aires, Argentina, 2Fundacion Angiopediatria. Universidad del salvador., Buenos Aires, Argentina

POSTER 3
Left Renal Vein Transposition for Nutcracker Syndrome in a Patient with Multiple Vascular Entrapment Phenomenon
Luiz Araujo, Khandan Nagarsheth
University of Maryland Medical Center, Baltimore, MD, USA

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
Yale New Haven Hospital, New Haven, CT, USA

POSTER 5
Safety Outcomes of Catheter Directed Thrombolysis for Deep Vein Thrombosis
Aneil Bhalla, Carlos Mena-Hurtado, Robert Attaran
Yale New Haven Hospital, New Haven, CT, USA

POSTER 6
Therapeutic Education Combined with Balneotherapy in Lymphedema Patients
Patrick Carpentier, Bernadette Salger, Jerome Laures
University Grenoble - Alpes, La Lechere, France

POSTER 7
Multidisciplinary Treatment of Phlegmasia Cerulea Dolens with Pharmacomechanical Intervention
Amrina Cheema, Anil Syal, Rakesh Ahuja, Nadia Awad, Evan Deutsch, Rashad Choudry
Einstein Healthcare Network, Philadelphia, PA, USA

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, Minerva Mayorga-Carlin1, John Sorkin1,2, Brajesh Lal1,2
1University of Maryland, Baltimore, MD, USA, 2Veterans Affairs Medical Center, Baltimore, MD, USA

POSTER 9
Case Report: Cystic Compression of Bilateral Femoral Veins
Meaghan Collins, Harold J. Welch
Lahey Hospital and Medical Center, Burlington, MA, USA

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
Alan Dietzek1,2, Stephanie Stroever1
1Nuvance Health, Danbury, CT, USA, 2University of Vermont Larner College of Medicine, Burlington, VT, USA

POSTER 11
Endovascular Reconstruction of a Congenitally Absent Inferior Vena Cava
Anthony Grieff, Randy Shafritz, William Beckerman
Division of Vascular Surgery and Endovascular Therapy, Rutgers Robert Wood Johnson School of Medicine, New Brunswick, NJ, USA

POSTER 12
Risk Factors for Early Iliac Vein Stent Thrombosis for NIVLs
Amrit Hingorani, Anil Hingorani, Jesse Chait, Enrico Ascher
Total Vascular Care, Brooklyn, NY, USA

POSTER 13
Azygous Continuation of the Inferior Vena Cava Presenting as Lower Extremity Deep Vein Thrombosis and Pulmonary Embolism: Case Report and Literature Review
Amandeep Juneja1, Jonathan Schor1, Hanaa Khadraoui2
1Staten Island University Hospital, Staten Island, NY, USA, 2Touro College of Osteopathic Medicine, New York, NY, USA

POSTER 14
Photoacoustic-guided Endovenous Laser Ablation to Improve Catheter Visualization and Temperature Monitoring: In Vivo Canine Study
Samuel John1, Mohamad Mehrmohammadi1, Yan Yan1, Loay kabbani2
1Wayne State University, Detroit, MI, USA, 2Henry Ford Hospital, Detroit, MI, USA
**POSTER 15**

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

Kate Kiely1, Matt Haffner1, Agustin Bojorn2, Teah Quvavadz3, Joel Crawford2

1Jersey City Medical Center, Jersey City, NJ, USA, 2Saint Barnabas Medical Center, Livingston, NJ, USA, 3Monmouth Medical Center, Long Branch, NJ, USA

**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

Albert Einstein Medical Center, Philadelphia, PA, USA

**POSTER 17**

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

Judith Lin, Alexandra Morris, Loay Kabbani, Timothy Nypaver

Henry Ford Hospital, Detroit, MI, USA

**POSTER 18**

**Suprarenal IVC Filter Use is Safe in Peripartum Treatment of Ileofemoral DVT**

Joann Lohr1, Gregory Zenni2, Anil Verma2, Timothy Brennan2

1Lohr Surgical Specialists, Cincinnati, OH, USA, 2Mercy, Cincinnati, OH, USA

**POSTER 19**

**An Old Age Disease Revisited: Syphilis**

Joann Lohr1, Keith Wilson2, Michael Marcotte2, William Tobler, Jr.2

1Lohr Surgical Specialists, Cincinnati, OH, USA, 2Select Medical, Cincinnati, OH, USA

**POSTER 20**

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

Joann Lohr1, Joyce Benter1, Jody McGuire1

Lohr Surgical Specialists, Cincinnati, OH, USA

**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

Mayo Clinic, Rochester, MN, USA

**POSTER 22**

**The Economic Impact of Infections in Venous Leg Ulcer Patients**

Rafi Melikian1, Thomas O’Donnell1, 2, Harry Ma3, Mark Lafiati1, 2

1Tufts University School of Medicine, Boston, MA, USA, 2The CardioVascular Center at Tufts Medical Center, Boston, MA, USA, 3The Vascular Experts, New London, CT, USA

**POSTER 23**

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

Manuel Menes1, 2, Rodolfo Rosenberg1, 2

1Guatemalan Social Security Institute, Guatemala, Guatemala, 2San Carlos of Guatemala University, Guatemala, Guatemala

**POSTER 24**

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

Madison Miller2, Meredith Barrett2, Dawn Coleman2, Andrea Obi3, Thomas Wakefield2, Chandu Vemuri3

1University of Michigan, Medical School, Ann Arbor, MI, USA, 2University of Michigan, Department of General Surgery, Ann Arbor, MI, USA, 3University of Michigan, Department of Vascular Surgery, Ann Arbor, MI, USA

**POSTER 25**

**Pulsatile Phlebitis Due to Micro Arteriovenous Communications**

Takaya Murayama

Medical Co-operation Keihakukai, Yokohama, Japan

**POSTER 26**

**Enhancing Performance of Repeat Studies Following Incomplete Lower Extremity Venous Duplex Ultrasound (LEVDUS) Examinations: A Needed but Difficult to Achieve Objective**

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

Oregon Health & Science University, Portland, OR, USA

**POSTER 27**

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

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

Jobst Vascular Institute, Toledo, OH, USA

**POSTER 28**

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

Alisha Oropallo1, 2, 3, Amit Rao1, Gregg Landis2, 3, Mary Brennan4, Marie Agrell-Kann4

1Northwell Health System, Department of Surgery, Comprehensive Wound Care Healing and Hyperbarics, Lake Success, NY, USA, 2Donald & Barbara Zucker School of Medicine at Hofstra/Northwell, Hempstead, NY, USA, 3Northwell Health System, Department of Surgery, North Shore University Hospital, Manhasset, NY, USA, 4Northwell Health System, Department of Nursing, North Shore University Hospital, Manhasset, NY, USA
POSTER 29
Initial Experience with the INARI ClotTriever Mechanical Venous Thrombectomy Device for Iliofemoral Deep Venous Thrombosis
Hunter Ray, Kristofer Charlton-Ouw, Naveed Saqib, Stuart Harlin
University of Texas Health Science Center at Houston (UT Health), McGovern Medical School, Houston, TX, USA

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
University of Texas Health Science Center at Houston (UT Health), McGovern Medical School, Houston, TX, USA

POSTER 31
Percutaneous Mechanical Thrombectomy with the ClotTriever Device for the Treatment of Ilio-femoral Deep Vein Thrombosis: Initial Experience and Short Term Outcomes
Limael Rodriguez, Andrew McChesney, Huiting Chen, Animesh Rathore, Jean Panneton, David Dexter
Eastern Virginia Medical School, Norfolk, VA, USA

POSTER 32
The Use of Adhesive Venous Closure for CEAP C6 Venous Disease Following Radiofrequency Ablation
Scott Safr, Sungyp Kim, Rami Tadros, Windsor Ting, Michael Marin, Aijt Rao, Peter Faries
Division of Vascular Surgery, Department of Surgery, Icahn School of Medicine at Mount Sinai Hospital, New York, NY, USA

POSTER 33
Diagnostic Yield of Intravascular Ultrasound in Patients with Clinical Signs and Symptoms of Lower Extremity Venous Disease
Taimur Saleem, Alexander Knight, Seshadri Raju
The Rane Center, St Dominic Hospital, Jackson, MS, USA

POSTER 34
Effect of iliofemoral-caval Venous Intervention on Lower Extremity Compartment Pressures in Patients with Chronic Venous Insufficiency
Taimur Saleem, Alexander Knight, Seshadri Raju
The Rane Center, St Dominic Hospital, Jackson, MS, USA

POSTER 35
The Global Prevalence of Chronic Venous Disease (CVD)
Safa Salim, Sarah Onida, Alun Davies
Imperial College London, London, United Kingdom

POSTER 36
Water-jet Assisted Liposuction (WAL): Awake, Comfortable and Relaxed
Nadiv Shapiro, Stephanie McLane
First State Lipedema, Wilmington, DE, USA

POSTER 37
Statewide Outcomes of Outpatient Venous Interventions
Maxim Shyndakov, Dimitrios Zikos, John Blebea
Central Michigan University College of Medicine, Saginaw, MI, USA

POSTER 38
Reflux Volume is Determined Mainly by the Ejection Volume from the Calf Reservoir
Roman Tauraginskii1, 2, Konstantin Zhdanov3, Sergei Simakov4, Denis Borsuk5, Konstantin Mazayshvili6, Fedor Lurie6
1 International Institution of Health Care and Additional Education Research Institute of Clinical Medicine, Irkutsk, Russian Federation
2LLC Vein center “AntiReflux”, Surgut, Russian Federation, 3The clinic of Phlebology and laser surgery “Vasculab” Ltd., Chelyabinsk, Russian Federation, 4Newark Beth Israel/RWJ Saint Barnabas, Newark, NJ, USA, 5Moscow Institute of Physics and Technology, Moscow, Russian Federation, 6University of Michigan, Ann Arbor, MI, USA, 6Jobst Vascular Institute, Toledo, OH, USA

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
1 St. Barnabas Medical Center, Livingston, NJ, USA, 2Newark Beth Israel Medical Center, Newark, NJ, USA

POSTER 40
Body Dysmorphic Disorder in Patients with Telangiectasias
Jorge Ulloa, Javier Bravo, Alejandro Pedrazzoli, Carlos Simkin, Julian Javier, Fabricio Santiago
Fundacion Santa Fe de Bogota - Universidad de los Andes, Bogota, Colombia

POSTER 41
Reporting Outcomes of EVLA of GSV
Ruben Velletz, Sr.
Colon Clinic, Buenos Aires, Argentina

POSTER 42
Villalta Scores in Patients Without a History of Post Thrombotic Syndrome (PTS)
Kemal Kemal, Sarah Onida, Tristan Lane, Alun Davies
Imperial College London, London, United Kingdom

POSTER 43
Deep Vein Stent Patency Outcomes After Eight Years of Surveillance
Kemal Kemal1, Tristan Lane1, Sarah Onida1, Mohamed Hifny1, Nicholas Burfitt2, Alun Davies1
1 Imperial College London, London, United Kingdom, 2 Imperial College Healthcare NHS Trust, London, United Kingdom