

American Venous Forum

30th Annual Meeting

Tucson, AZ
February 20-23, 2018



FINAL PROGRAM

About AVF

The American Venous Forum (AVF) is dedicated to improving the care of patients with venous and lymphatic disease. Founded in 1987, AVF fosters cutting edge research and clinical innovation and educates health care professionals, patients and policy makers about venous and lymphatic diseases. AVF's leadership and membership are recognized internationally as thought leaders, expert investigators and clinicians in venous and lymphatic disease.

Program Objectives

The objective of this comprehensive meeting is to provide those attending knowledge of current thinking in effective clinical management of venous disease and insight into future directions from critical analysis of investigative findings.

Accreditation Statement

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint providership of the American College of Surgeons and the American Venous Forum. The American College of Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The American College of Surgeons designates this live activity for a maximum of 26.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Evaluations

Please take time to complete the Annual Meeting evaluation form provided online on the AVF website. Your input and comments are essential in planning future educational events. Evaluations must be completed if you plan to claim CME credit hours for this program.

Disclosure Information

In compliance with ACCME Accreditation Criteria, the American College of Surgeons, as the accredited provider of this activity, must ensure that anyone in a position to control the content of the educational activity has disclosed all relevant financial relationships with any commercial interest. All reported conflicts are managed by a designated official to ensure a bias-free presentation.

Grant Acknowledgement

The American Venous Forum wishes to recognize and thank the following companies for their ongoing support through annual meeting educational grants: Boston Scientific, Cook Medical, Medtronic, Vascular Insights, and Volcano.



Marketing & Exhibitor Acknowledgement

The American Venous Forum wishes to recognize and thank the following exhibiting companies for their ongoing marketing support:



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Message from The President



Welcome to the 30th Annual Meeting of the American Venous Forum at the J.W. Marriott in Tuscon, AZ.

Now in our 30th year, AVF continues to stay true to our mission set forth by our founding members of saving and improving lives by reducing venous and lymphatic disease through education, innovative research, and advocacy, which is the underlying tenet of all activities of our organization. In keeping with our tradition, the Program Committee has put together an outstanding program that in addition to the cutting edge scientific sessions includes special targeted sessions that will honor our 30 year history:

- Day of Innovation and Science – Organized by Past President Fedor Lurie and Research Council Chair Jose Diaz with review in depth current basic science and biomedical engineering venous concepts with a focused discussion on the recent ATTRACT trial.
- David S. Sumner Venous Summit - “AVF 30 Years: Past Present and Looking to the Future” - Organized by President Elect Elna Masuda, this session will cover how venous and lymphatic treatments have evolved and the impact AVF has had over the past 30 years.
- Villavicencio Session – “Randomized Venous Trials” - Moderated by Vice President Brajesh Lal, this session will review key randomized trials important to evidenced based venous decision making.
- Presidential Founders Panel – We will honor our founding members and past presidents with an open panel discussion led by Archivist Bill Marston reminiscing about the early days of AVF and our important accomplishments.
- D. Eugene Strandness Memorial Lecturer - Presented by Peter Lawrence, MD entitled “Managing Venous Disease: When Good Results are not Enough.”
- Early Career Venous Specialist Session – This new session will cover areas important to providers early in their career with experience shared by several AVF mentors.
- International Session with Spanish translation moderated by Past President and Chair, International Committee Lowell Kabnick and Sergio Giancesini will highlight quality, evidence-based science from around the world.
- Several specialty symposium and collaborative sessions with other societies including the American College of Phlebology and the Society for Vascular Medicine.

I would like to extend gratitude to the AVF Board of Directors, AVF Committee members, AVFF Board, and the AVF Executive team for their tireless work this past year. As AVF celebrates our 30th Anniversary, I assure you that our organization is strong and expanding. Our members and our leaders are passionate and thoughtful. We do not settle for anything but the utmost in values of professionalism and integrity, quality evidence based venous care, improved venous disease awareness, pursuit of scientific knowledge, and advocacy for our patients with venous and lymphatic diseases. I have been proud as your President this past year of all that we have accomplished and have set forth to achieve in the very near future. Rest assured that as we crest our 30th year we are healthy and well poised for our next 30 years.

Sincerely Yours,

A handwritten signature in black ink that reads "Marc Passman". The signature is fluid and cursive, with the first name "Marc" and last name "Passman" clearly legible.

Marc A. Passman, MD
President, American Venous Forum

Meeting at a Glance

Tuesday, February 20

6:00 am - 7:00 pm	Registration	Arizona Ballroom Foyer
9:00 am - 6:00 pm	Speaker Ready Room	Arizona Ballroom 11
10:00 am - 1:00 pm	The Day of Innovation and Science	Arizona Ballroom 6
12:10 pm - 1:00 pm	Lunch	Ania Terrace
1:00 pm - 4:00 pm	The Day of Innovation and Science - Industry Session	Arizona Ballroom 6
4:00 pm - 6:00 pm	Early Career Venous Specialist Session	Arizona Ballroom 6
6:00 pm - 7:00 pm	Cocktail Reception	Ania Terrace

Wednesday, February 21

6:00 am - 7:00 pm	Speaker Ready Room	Arizona Ballroom 11
6:00 am - 7:00 pm	Registration	Arizona Ballroom Foyer
8:00 am - 11:00 am	Guest Hospitality Suite	Arizona Ballroom 5
6:30 am - 7:30 am	Industry Appreciation Breakfast	San Pedro 1
6:30 am - 7:30 am	Continental Breakfast	Ania Terrace
7:30 am - 11:50 am	David S. Sumner Venous Summit - AVF 30 years: Past, Present and Looking to the Future!	Arizona Ballroom 7
9:20 am - 9:40 am	Break	Arizona Ballroom Foyer
11:30 am - 4:45 pm	Exhibit and Poster Hall Open	Tucson Ballroom
11:50 am - 12:50 pm	Lunch Symposium Sponsored by MedTronic	Arizona Ballroom 6
12:55 pm - 1:00 pm	President & President Elect's Welcome	Arizona Ballroom 7
1:00 pm - 2:35 pm	Scientific Session 1: Deep Venous-Chronic Venous Occlusion	Arizona Ballroom 7
2:25 pm - 2:50 pm	Break	Tucson Ballroom Foyer
2:50 pm - 4:20 pm	Specialty Symposia	
2:50 pm - 4:20 pm	Society for Vascular Medicine (SVM)	Arizona Ballroom 8 - 10
2:50 pm - 4:20 pm	ACP Session - Current State of Pelvic Venous Disease Management and Advocacy	Arizona Ballroom 6
2:50 pm - 4:20 pm	International Symposium	Arizona Ballroom 7
4:20 pm - 4:35 pm	Break	Tucson Ballroom
4:35 pm - 5:40 pm	Villavicencio Symposium Randomized Trials in Venous Disease: Myth or Necessity	Arizona Ballroom 7
5:50 pm - 6:30 pm	Poster Presentations	Tucson Ballroom
7:00 pm - 8:30 pm	Welcome Reception & Poster Display	Tucson Ballroom

Meeting at a Glance

Thursday, February 22

6:00 am - 2:00 pm	Speaker Ready Room	Arizona 11
6:00 am - 7:00 pm	Registration	Arizona Ballroom Foyer
6:30 am - 7:20 am	Breakfast Symposium Sponsored by Boston Scientific	Arizona Ballroom 6
7:00 am - 12:50 pm	Exhibit and Poster Hall Open	Tucson Ballroom
8:00 am - 11:00 am	Guest Hospitality Suite	Arizona Ballroom 5
7:20 am - 9:10 am	Scientific Session 2: Superficial Venous	Arizona Ballroom 7
9:20 am - 9:40 am	Top Abstract Session	Arizona Ballroom 7
9:40 am - 10:00 am	Break	Arizona Ballroom 7
10:00 am - 11:10 am	D. Eugene Strandness Memorial Lecture - Managing Venous Disease: When Good Results are not Enough	Arizona Ballroom 7
11:10 am - 12:50 pm	Scientific Session 3: Venous Thromboembolism	Arizona Ballroom 7
12:40 pm - 12:45 pm	Q3-5 The Swollen Leg Clinic: Improving the quality of care for outpatients with acute DVT	San Xavier
1:00 pm	Golf	
5:30 pm - 6:30 pm	Post Golf Reception	Arizona Ballroom Foyer

Friday, February 23

6:00 am - 5:30 pm	Registration Open	Arizona Ballroom 6
6:30 am - 7:30 am	Breakfast Symposium Sponsored by JOBST	Tucson Ballroom
7:00 am - 1:30 pm	Exhibit and Poster Hall Open	Arizona Ballroom 5
8:00 am - 11:00 am	Guest Hospitality Suite Open	Arizona Ballroom 7
7:30 am - 8:50 am	Scientific Session 4: Imaging/Diagnostics	Arizona Ballroom 7
8:50 am - 9:15 am	Break	Arizona Ballroom 7
9:15 am - 10:00 am	AVF 30th Anniversary Session - Founder's Panel Celebration	Arizona Ballroom 7
10:00 am - 12:00 pm	President's Session	Arizona Ballroom 7
12:10 pm - 1:10 pm	Member Business Luncheon	
1:20 pm - 2:50 pm	Live Imaging Superficial Venous Symposia	Arizona Ballroom 7
3:00 pm - 4:20 pm	Scientific Session 5: Complex Venous Disease	Arizona Ballroom 7
4:40 pm - 6:00 pm	Scientific Session 6: Lymphedema and other Timely Topics in Contemporary Venous Care	Arizona Ballroom 7
7:00 pm - 10:30 pm	Forum Finale	Ania Terrace & Lawn

General Meeting Information

Meeting Overview

The 30th Annual Meeting of the American Venous Forum spotlights recent advances and research in venous disease through expert presentations that are relevant and innovative. The scientific program will provide panel presentations and discussions on all aspects of venous disease, diagnosis, pathophysiology and treatment.

Target Audience

The target audience for this program is vascular and general surgeons, interventional radiologists, interventional cardiologists, phlebologists, plastic surgeons, physician assistants, vascular nurse practitioners, technicians, technologists and other medical professionals who are currently treating venous disease.

Abstracts

Oral presentations will be given by the authors of the highest scoring abstracts. Abstracts presented at the AVF 30th Annual Meeting are published in the February 2018 online issue of the Journal of Vascular Surgery: Venous and Lymphatic Disorders, the official journal of the AVF. AVF is pleased to provide a yearly subscription to the journal to active members.

Poster Presentations

The top 8 posters will be presented in the Tucson Ballroom on Wednesday evening from 5:50 pm – 6:30 pm. Abstracts selected as poster presentation and displays will be viewable in the Tucson Ballroom from Wednesday afternoon through Friday morning. POSTER DISPLAY HOURS: Wednesday, February 21st - 11:30 am – 4:45 pm, Thursday, February 22nd – 7:00 am – 12:50 pm and Friday, February 23rd – 7:00 am – 1:30 pm.

Membership

The AVF continues to grow and now includes close to 1,000 influential leaders, expert investigators and clinicians in the field of venous and lymphatic healthcare. Membership in the AVF is a mark of professional distinction and denotes a dedication to understanding and treating the entire spectrum of venous and lymphatic disorders. All non-members are invited to complete a membership application available online at www.veinforum.org.

Registration

Registration packets are ready for pick up at the AVF Registration Desk located in the Arizona Ballroom foyer for those pre-registered for the Annual Meeting. Onsite registration for the AVF Annual Meeting is accepted, space permitting.

Annual Meeting Registration: Registration includes all scientific sessions, Specialty Symposia, continental breakfasts, coffee breaks, lunch buffet, Exhibit Hall and Welcome Reception.

Spouse/Guest Registration: The spouse/guest registration fee includes daily breakfast in the Hospitality Suite, Welcome Reception, and access to the Exhibit Hall. This does not include access to the scientific sessions or the Forum Finale.

Forum Finale: The Forum Finale on Friday evening will feature a cocktail reception, awards ceremony, dinner and entertainment. Tickets are available for Annual Meeting registrants and their guests for \$75.00 each. Tickets for corporate guests and industry representatives are \$75.00. Tickets to the Forum Finale are available for purchase during advance registration and onsite but cannot be guaranteed same-day. The Forum Finale will be held outside on the Ania Terrace and Lawn.

Registration Desk:

The Registration Desk will be located in the Arizona Ballroom Foyer and will be open during the following hours:

Tuesday, February 20, 6:00 am – 7:00 pm

Wednesday, February 21, 6:00 am – 7:00 pm

Thursday, February 22, 6:00 am - 7:00 pm

Friday, February 23, 6:00 am - 5:30 pm

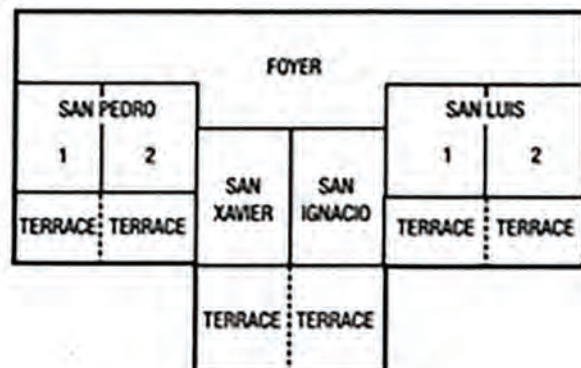
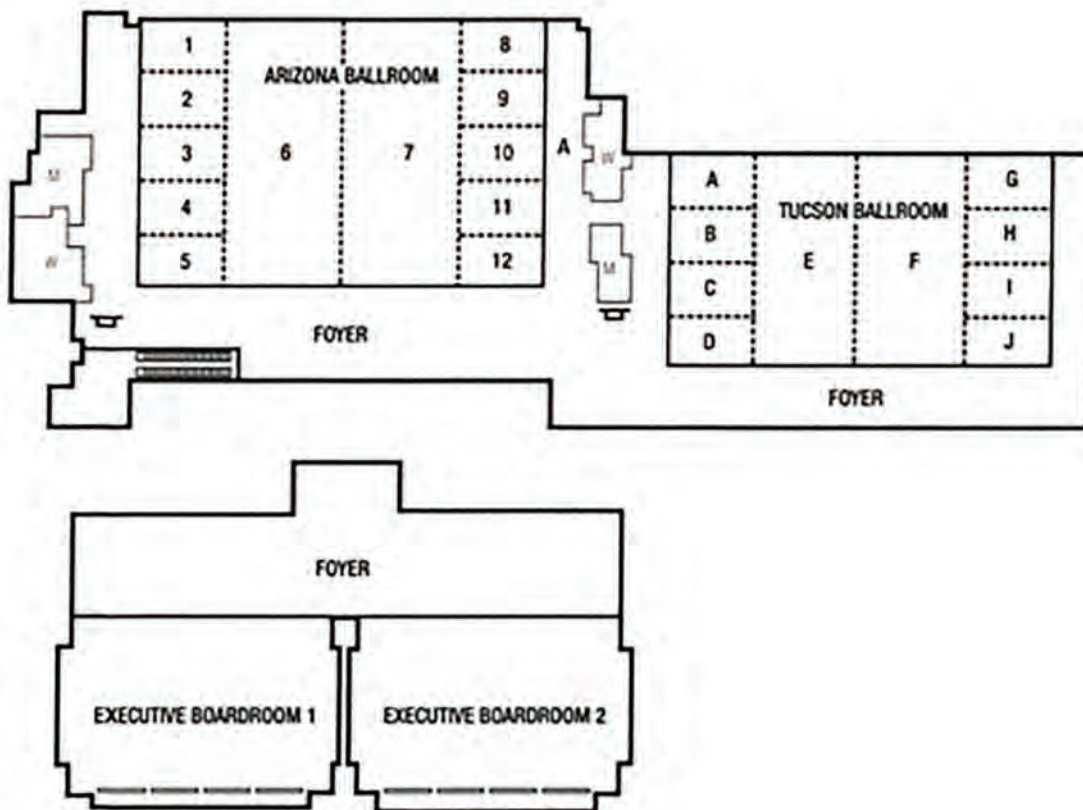
Hotel Information

JW Marriott Tucson Starr Pass Resort & Spa
3800 W Starr Pass Blvd.
Tucson, AZ 85745
Phone: 520-792-3500

General Meeting Information

Immerse yourself in luxury at the JW Marriott Tucson Starr Pass Resort and Spa. Relax in upscale hotel rooms and suites, featuring contemporary decor, sleek baths and deluxe amenities, many with private patios and balconies with stunning views. Swim in the multi-level pools and lazy river. Improve your game on their three, nine-hole Arnold Palmer Golf Courses; take lessons at Starr Pass Golf Club. An array of dining options, including Primo, Signature Grill or Catalina BBQ. Grab a cup of coffee at Starbucks or catch up with friends at Salud Patio for drinks, mountain views and nightly festive tequila toast. Explore the hiking trails in natural desert settings and surrounding mountains. Relax at the luxurious day spa, Hashani, with ancient healing treatments. Enjoy an all-encompassing lifestyle experience at this luxury resort.

MEETING ROOMS



About American Venous Forum

The American Venous Forum (AVF) is dedicated to improving the care of patients with venous and lymphatic disease. Founded in 1987, AVF fosters cutting edge research and clinical innovation and educates health care professionals, patients and policy makers about venous and lymphatic diseases. AVF's leadership and membership are recognized internationally as thought leaders, expert investigators and clinicians in venous and lymphatic disease.

As the field of venous and lymphatic disease grows, the AVF continues to lead by:

- Providing interactive and hands-on education to physicians and fellows
- Building multi-specialty coalitions to advocate for improvements in venous and lymphatic disease

AVF Leadership

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Takashi Yamaki, MD

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Kurosh Parsi, MD

Sergio Giancesini, MD

Jorge Ulloa, MD

Ruth Bush, MD

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John Rectenwald, MD

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Jose A. Diaz, MD ex-officio

Awards & Recognition**AVF Founding Members**

Robert W. Barnes, MD

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John J. Cranley, MD

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Norman M. Rich, MD

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Lazar J. Greenfield, MD

D. Eugene Strandness, Jr., MD

Robert W. Hobson, II, MD

David S. Sumner, MD

Michael Hume, MD

J. Leonel Villavicencio, MD

George Johnson, Jr., MD

James S.T. Yao, MD

AVF Past Presidents &**Annual Meeting Locations**

2017 New Orleans, La Lowell Kabnick, MD

2016 Orlando, Fl John Blebea, MD

2015 Palm Springs, Ca Fedor Lurie, MD, PhD

2014 New Orleans, La Peter K. Henke, MD

2013 Phoenix, Az Robert B. Mcclafferty, MD

2012 Orlando, Fl Seshadri Raju, MD

2011 San Diego, Ca Peter J. Pappas, MD

2010 Amelia, Fl Joseph A. Caprini, MD

2009 Phoenix, Az Joann Lohr, MD

2008 Charleston, Sc Mark H. Meissner, MD

2007 San Diego, Ca Michael C. Dalsing, MD

2006 Miami, Fl Thomas W. Wakefield, MD

2005 San Diego, Ca Bo G. Eklöf, MD

2004 Orlando, Fl Frank T. Padberg, MD

2003 Cancun, Mexico Peter Gloviczki, MD

2002 La Jolla, Ca Gregory L. Moneta, MD

2001 Fort Myers, Fl Anthony J. Comerota, MD

2000 Phoenix, Az David S. Sumner, MD

1999 Dana Point, Ca

Thomas F. O'donnell, Jr., MD

1998 Lake Buena Vista, Fl

D. Eugene Strandness, Jr., MD

1997 San Antonio, Tx James S. T. Yao, MD

1996 San Diego, Ca Robert L. Kistner, MD

1995 Fort Lauderdale, Fl

Robert Hobson, MD

1994 Maui, Hi James A. Deweese, MD

1993 Orlando, Fl George Johnson, Jr., MD

1992 Coronado, Ca Michael Hume, MD

1991 Fort Lauderdale, Fl

Lazar J. Greenfield, MD

1990 Coronado, Ca Norman M. Rich, MD

1989 New Orleans, La John J. Bergan, MD

D. Eugene Strandness, Jr., Md Memorial Lecture



On January 7, 2002, the American Venous Forum was saddened by the passing of one of its founding members and past presidents, Dr. D. Eugene Strandness, Jr. Dr. Strandness was a friend, mentor, colleague and leader in all aspects of vascular surgery. He held several NIH grants and wrote numerous publications on the etiology and non-invasive diagnosis of deep vein thrombosis. One of his most notable accomplishments was the development of duplex ultrasound scanning. His tireless pursuit of knowledge led to a better understanding of the natural history of venous disease and its diagnosis and treatment, for which our patients and we are forever indebted to him.

Each year, the D. Eugene Strandness, Jr., MD Memorial Lecture recognizes the significant contributions of an individual in research, education or clinical investigation in the field of venous diseases. Chosen by the president of the

American Venous Forum and confirmed by the Forum's Executive Committee, the 2018 recipient of this distinctive honor is Peter F. Lawrence, MD.

Dr. Lawrence graduated from Dartmouth College and was awarded his M.D. degree with honors from Harvard Medical School. His surgical residency and vascular surgery fellowship were done at Columbia-Presbyterian Medical Center in New York City. In 1978, he joined the faculty at the University of Utah where he served as Chief of Surgery at the Veterans Administration Hospital, Chair of the Division of Vascular Surgery, and President of the Medical Staff. He moved to UC Irvine in 1998 to become the Associate Dean for Clinical Affairs, Vice President for Specialty Services, and Professor of Surgery. In 2003, he moved to UCLA and was named the Wiley Barker Chief of Vascular Surgery and Director of the Gonda Vascular Center, as well as the Bergman Chair in Vascular Research.

Dr. Lawrence has published over 200 articles, editorials, and book chapters. His research interests are related to aneurysms, limb salvage, and venous disease. He has received National Institute of Health and Department of Defense funding for his research. In addition to publishing in the subspecialty of Vascular Surgery, Dr. Lawrence has written two textbooks of surgery, "Essentials of General Surgery" and "Essentials of Surgical Specialties," which are used at more than 70 percent of medical schools in student education programs. He has been on the editorial boards of the Journal of Vascular Surgery, Vascular and Endovascular Surgery, Perspectives in Vascular Surgery, and Contemporary Surgery, as well as being a selected reviewer for seven other journals. He has served as assistant editor of the Special Features of the Journal of vascular Surgery and is now editor of the Journal of Vascular Surgery, Journal of Vascular Surgery-venous and lymphatic diseases, and the Journal of vascular Surgery- Case Reports and Innovative Techniques.

Dr. Lawrence has actively participated in numerous regional and national professional organizations such as the Association for Surgical Education (President 1984-1985), Rocky Mountain Vascular Surgery Society (President 1989-1990), Western Vascular Society (President 1999-2000), Southern California Vascular Society (president 2008-09), Society for Clinical Vascular Surgery (President 2004-2005), National Board of Medical Examiners, and the American Surgical Association. He has also served the American Board of Surgery by writing the qualifying and certifying exam for surgeons. Dr. Lawrence was President (2014-2015) of the Society for Vascular Surgery, the largest society in the world devoted to the management of Vascular Disease and has most recently been the president of the Society for Vascular Surgery Research Foundation.

About American Venous Forum Foundation



AMERICAN VENOUS FORUM FOUNDATION

Healthy Veins for Healthy Life

The American Venous Forum Foundation was organized in 1987 to support the charitable, educational and scientific purposes of the American Venous Forum. The Foundation provides the BSN-Jobst Research Grant, Servier Traveling Fellowship Award and other significant educational grants to stimulate and recognize excellence in published writing on laboratory and clinical research in the study of venous diseases.

Foundation Board Of Directors

Lowell Kabnick, MD – President	Peter Gloviczki, MD – Director
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Tyler Palmer – Director	Peter Henke, MD – Director
Gerald Mattys – Director	Marc Passman, MD – Ex-Offic
Joann Lohr, MD – Director	

Awards & Recognition

BSN-Jobst Research Grant In Venous And Lymphatic Disease In 1995, the American Venous Forum Foundation announced the establishment of the BSN-Jobst Research Grant in Venous and Lymphatic Disease. From 1995-2014 the grant provided a one-year, \$50,000 grant to residents, fellows, and young faculty of less than 5 years from the end of their vascular training chosen through a competitive selection process. In 2018 the BSN JOBST Research Grant will award a two-year, \$100,000 grant to the winning recipient. The AVF Research Committee scores the applications to determine the grant recipient and announces its selection during the Annual Meeting.

BSN-Jobst Research Grant Recipients:

- 2017** Yogendra M. Kanthi, MD, University of Michigan
- 2016** Maxim E. Shaydakov, MD, Ph.D, University of Michigan
- 2015** Andrew Kimball, MD, University of Michigan
- 2014** Harry Ma, MD, University of Oklahoma
- 2013** Xzabia Calista, MD, University of Rochester
- 2012** Rabih Chaer, MD, University of Pittsburgh
- 2011** Marlene Matthews, MD, University of Rochester
- 2010** Yanjie Qi, MD, University of Rochester
- 2009** Carolyn Glass, MD, University of Rochester
- 2008** K. Barry Deatrick, MD, University of Michigan
- 2007** Danny Vo, MD, Mayo Clinic
- 2006** Stephanie K. Beidler, MD, University of North Carolina
- 2005** Allesandra Puggioni, MD, Mayo Clinic
- 2004** John Rectenwald, MD, University of Michigan
- 2003** Charles Fields, MD, Mayo Clinic
- 2002** Susan O'Shea, MD, Duke University Medical Center
- 2001** Brajesh K. Lal, MD, UMDNJ New Jersey Medical School
- 1999** Joseph D. Raffetto, MD, Boston Medical Center
- 1998** Klaus See-Tho, MD, Stanford University Medical Center
- 1997** Andrew C. Stanley, MD, Burlington, VT
- 1996** Jae-Sung Cho, MD, Mayo Clinic, Rochester, MN
- 1995** Peter J. Pappas, MD, UMDNJ New Jersey Medical School



Servier Traveling Fellowship

The Servier Traveling Fellowship provides two fellows an opportunity to travel to the European Venous Forum to present his or her scientific research. Four finalists are identified through a competitive peer-review process, and are invited to present their science during the AVF Meeting. Travel and accommodations for the four finalists are reimbursed as part of the grant. The finalists are judged by an appointed AVF committee. Two winners will be selected to present their work at the 2018 European Venous Forum Annual Meeting in Athens, Greece.

The following outstanding Servier Traveling Fellowship Recipients:

2017 Johann Ragg, MD, Angioclinic Vein Centers Europe

Tana Repella, MD, Oregon Health & Science University

2016 Limaël Rodriguez, MD, St. Luke's Memorial Hospital

Ryan Abdul-Haqq, MD, University of Alabama at Birmingham

2015 Nathan L. Liang, MD, University of Pittsburgh

Georgios Spentzouris, MD Stony Brook University Hospital

2014 Rafael Malgor, MD, Stony Brook University Medical Center

Adam Ring, MD, Penn State University

2013 Carson Oostra, MD, University of Toledo College of Medicine

Andrea Obi, MD, University of Michigan

2012 Frank Vandy, MD, University of Michigan

Emily Wood, MD, Stony Brook University

2011 Faisal Aziz, MD, Jobst Vascular Center

Robert Meisner, MD, Stony Brook University Hospital

2010 K. Barry Deatrck, MD, University of Michigan

Christopher Pannucci, MD, University of Michigan

2009 Atul Rao, MD, University of Pittsburgh Medical Center

Axel Thors, MD, Good Samaritan Hospital

2008 David Paolini, MD, Toledo Hospital

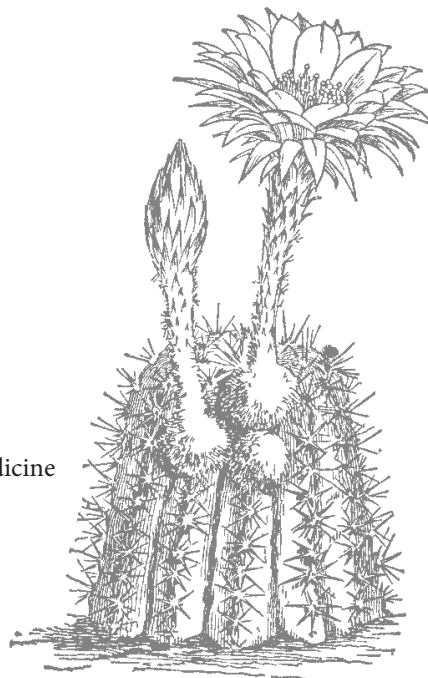
Jorge Martinez, MD, Toledo Hospital

2007 Brian Knipp, MD, University of Michigan

Reagan Quan, MD, Walter Reed Army Medical Center

2006 Charles Stonerock, MD, Indiana University School of Medicine

Gustavo Oderich, MD, Mayo Clinic



Symposia

Specialty Symposia

David S. Sumner Venous Summit

Wednesday, February 21 – Arizona Ballroom 7
7:30 am – 11:50 am

AVF 30 years: Past, Present and Looking to the Future!

Chair: Elna Masuda, MD

ACP Symposium

Wednesday, February 21 – Arizona Ballroom 6
2:50 pm – 4:20 pm

Current State of Pelvic Venous Disease Management and Advocacy

Neil Khilnani, MD & Marlin Schul, MD

International Symposium

Wednesday, February 21 – Arizona Ballroom 7
2:50 pm – 4:20 pm

Sharing Excellence in Global Venous Science

Chair: Lowell Kabnick, MD

Society for Vascular Medicine (SVM)

Wednesday, February 21 – Arizona Ballroom 8-10
2:50 pm – 4:20 pm

Teri Carman, MD & Elna Masuda, MD

Villavicencio Symposium

Wednesday, February 21 – Arizona Ballroom 7
4:35 pm – 5:40 pm

Randomized Trials in Venous Disease: Myth or Necessity

Chairs: Brajesh K Lal, MD

D. Eugene Strandness Memorial Lecture

Thursday, February 22 – Arizona Ballroom 7
10:00 am – 11:10 am

Managing Venous Disease: When Good Results are not Enough

Keynote Speaker: Peter F. Lawrence

Live Imaging Superficial Venous Symposia - IVC Filter Complications and Tough Problems

Friday, February 23 – Arizona Ballroom 7
1:20 pm – 2:50 pm

Steve Elias, MD

Industry Symposia

Wednesday, February 21 – Arizona Ballroom 6
12:00 pm – 1:00 pm

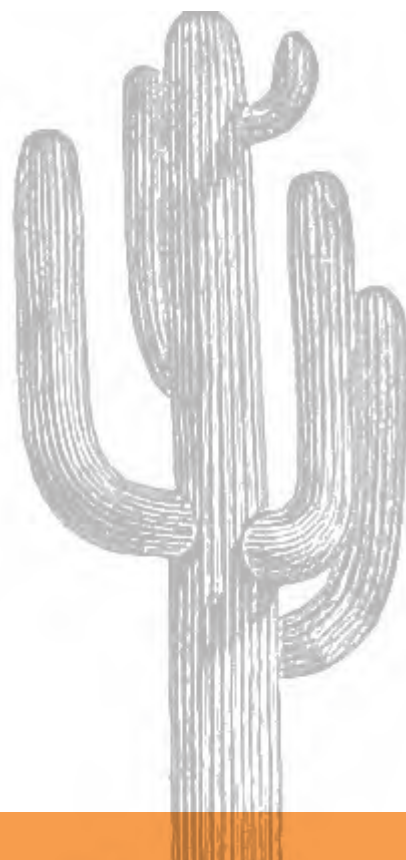
Medtronic Lunch Symposium | VenaSeal™ Closure System; A Panel Discussion The Procedure, the Patients and Your Practice

Thursday, February 22 – Arizona Ballroom 6
6:30 am – 7:30 am

Boston Scientific Breakfast Symposium | Strategies for Early Intervention in VTE

Friday, February 23 – Arizona Ballroom 6
6:30 am – 7:30 am

JOBST Breakfast Symposium | Advanced Management of Ulcerations with Comorbid Chronic Edema / Lymphedema



Tuesday, February 20

Tuesday, February 20

6:00 am - 7:00 pm	Registration	Arizona Ballroom Foyer
10:00 am - 1:00 pm	The Day of Innovation and Science	Arizona Ballroom 6
10:00 am - 11:00 am	Morning Session 1: Basic Science and Bioengineer (Educational session)	Arizona Ballroom 6
10:00 am - 10:15 am	Recent and Future Innovations For the Treatment of Venous Insufficiency: New Paradigms Paul Pittaluga, MD, Riviera Vein Institute	Arizona Ballroom 6
10:15 am - 10:30 am	The Chicken or the Egg: The Vein Wall As Cause of Varicose Vein Joseph Raffetto, MD, Veterans Affairs Boston Healthcare System & Brigham and Women's Hospital	Arizona Ballroom 6
10:30 am - 10:45 am	The Chicken or the Egg: The Hemodynamics as Cause of Varicose Vein Mark Meissner, MD, University of Washington Medical Center	Arizona Ballroom 6
10:45 am - 11:55 am	Impaired inferior vena cava relaxation but not contraction in 2 models of murine acute deep vein thrombosis Peter Henke, MD, University of Michigan	Arizona Ballroom 6
10:55 am - 11:05 am	Nuclear Magnetic Resonance Spectroscopic Analysis of Biofluids from Patients with Chronic Venous Disease Sarah Onida, BSc, MBBS, MRCS, PhD, Imperial College London	Arizona Ballroom 6
11:05 am - 12:10 am	Morning Session 2: Basic Science and Bioengineer	Arizona Ballroom 6
11:05 am - 11:20 am	"Reverse Flow-Hypertension" Venous Model Sean Chambers, PhD, Cook Medical	Arizona Ballroom 6
11:20 am - 11:35 am	Effects of Reflux on Endothelial Biology Ghassan Kassab, MD, The California Medical Innovations Institute	Arizona Ballroom 6
11:35 am - 11:50 am	Effect of External Positive and Negative Pressure on Venous Flow Seshadri Raju, M.D., F.A.C.S., The Rane Center	Arizona Ballroom 6
11:50 am - 12:00 pm	Importance of Stent Shape and Area on Clinical Outcome after Iliofemoral Venous Stenting Lowell Kabnick, MD, RPhS, FACS, FACPh, NYU Langone Medical Center	Arizona Ballroom 6
12:00 pm - 12:10 pm	The Acute Effect of Intermittent Pneumatic Foot Compression on Antiplasmin, PAI, TFPI, tPA and Vwf Osama Albazde, Imperial College London	Arizona Ballroom 6
12:10 pm - 1:00 pm	Lunch	Ania Terrace
1:00 pm - 4:00 pm	The Day of Innovation and Science - Industry Session	Arizona Ballroom 6
1:00 pm - 1:05 pm	Introduction Fedor Lurie, MD, PhD, RPVI, RVT, Jobst Vascular Institute	Arizona Ballroom 6
1:05 pm - 1:15 pm	ATTRACT: Major Findings Suresh Vedantham, MD, FSIR, Washington University in St. Louis	Arizona Ballroom 6
1:15 pm - 1:25 pm	ATTRACT: Major Findings Mark Meissner, MD, University of Washington Medical Center	Arizona Ballroom 6
1:25 pm - 1:45 pm	Panel Discussion	Arizona Ballroom 6
1:45 pm - 2:00 pm	Impact on Practice Mark Garcia, MD, MS, FSIR, Vascular & Interventional Associates of Delaware	Arizona Ballroom 6

Tuesday, February 20 / Wednesday, February 21

2:00 pm - 2:15 pm	Impact on Future Funding/Review Andrei Kindzelski (NIH), M.D., Ph.D., NIH-NHLBI-Division of Blood Diseases & Resources	Arizona Ballroom 6
2:15 pm-2:25 pm	Impact on Industry	Arizona Ballroom 6
2:25 pm-2:45 pm	Panel Discussion	Arizona Ballroom 6
2:45 pm-2:55 pm	What To Do Next? Lessons Learned From ATTRACT Susan Kahn, MD, MSc, McGill University	Arizona Ballroom 6
2:55 pm-3:05 pm	What Should We Not Do? Lessons Learned From ATTRACT	Arizona Ballroom 6
3:05 pm-3:25 pm	Clarification of Misperceptions: Data Suresh Vedantham, MD, FSIR, Washington University in St. Louis	Arizona Ballroom 6
3:25 pm-3:55 pm	Panel Discussion	Arizona Ballroom 6
3:55 pm-4:00 pm	Conclusions Fedor Lurie, MD, PhD, RPVI, RVT, Jobst Vascular Institute	Arizona Ballroom 6

4:00 pm - 6:00 pm **Early Career Venous Specialist Session** Arizona Ballroom 6

4:00 pm - 4:20 pm	They say money can't buy happiness—but you need to pay for your practice! Coding and Billing Tips Glenn Jacobowitz, MD, NYU Langone Medical Center Harold Welch, MD, Lahey Clinic	
4:20 pm - 4:40 pm	When venous reflux is just below the belt: How to approach pelvic disorders Mark Meissner, MD, University of Washington Medical Center Julianne Stoughton, MD, Mass General Hospital/ Harvard Medical School	
4:40 pm - 5:00 pm	You can publish while you practice: How to incorporate venous research into your clinical work Joe Raffetto, MD, Veterans Affairs Boston Healthcare System & Brigham and Women's Hospital Suresh Vendantham, MD, FSIR, Washington University in St. Louis	
5:00 pm - 5:20 pm	So you want to do veins? How to set up a successful outpatient vein practice Kathy Gibson, MD, Lake Washington Vascular Surgeons Kathleen Ozsvath, MD, The Vascular Group	
5:20 pm - 5:40 pm	When veins aren't enough: how to balance venous and arterial work Kellie Brown, MD, Medical College of Wisconsin Marc Passman, MD, University of Alabama at Birmingham	
5:40 pm - 6:00 pm	Veins and wounds go leg-in-leg: how to collaborate with a wound care center Bill Marston, MD, University of North Carolina	
6:00 pm - 7:00 pm	Cocktail Reception	Ania Terrace

Wednesday, February 21

6:00 am - 7:00 pm	Registration	Arizona Ballroom Foyer
6:30 am - 7:30 am	Continental Breakfast	Arizona Ballroom Foyer
8:00 am - 11:00 am	Guest Hospitality Suite	Arizona Ballroom 5
7:30 am - 11:50 am	David S. Sumner Venous Summit - AVF 30 years: Past, Present and Looking to the Future! Moderator - Elna Masuda, MD, Straub Clinic & Hospital	Arizona Ballroom 7

Wednesday, February 21

7:30 am - 7:35 am	Introduction - Classification of Chronic Venous Disease Elna Masuda, MD, Straub Clinic & Hospital	Arizona Ballroom 7
7:35 am - 7:40 am	Prior to 1988: Early classifications and insights that led to important developments Greg Moneta, MD, Oregon Health Sciences University	Arizona Ballroom 7
7:40 am - 7:48 am	How important milestones achieved by CEAP led to advancement of venous care Bo Eklof, MD, PhD, University of Lund, Sweden	Arizona Ballroom 7
7:48 am - 7:56 am	Revising CEAP: should we have a category for central venous hypertension? Patrick Carpentier, Grenoble University Hospital	Arizona Ballroom 7
7:56 am - 8:04 am	Identifying current weaknesses of existing CEAP and how they will be addressed in an updated CEAP Fedor Lurie, MD, PhD, RPVI, RVT, Jobst Vascular Institute	Arizona Ballroom 7
8:04 am - 8:30 am	Panel Discussion Marc Passman, MD, Michael Vasquez, MD, Ellen Dillavou, MD	Arizona Ballroom 7
8:30 am - 9:20 am	Treatment of Iliofemoral DVT	Arizona Ballroom 7
8:30 am - 8:35 am	Prior to 1988: Bo Eklof, MD, PhD, University of Lund, Sweden	Arizona Ballroom 7
8:35 am - 8:43 am	ATTRACT TRIAL results: is there a subset who should be treated with PMT? Suresh Vendantham, MD, FSIR Washington University in St. Louis	Arizona Ballroom 7
8:43- am - 8:51 am	What are the indications for pharmacomechanical thrombolysis based on the current evidence? Mark Meissner, MD, University of Washington Medical Center	Arizona Ballroom 7
8:51 am - 8:59 am	Best medical treatment of iliofemoral DVT and latest on reversal agents Peter Henke, MD, The University of Michigan	Arizona Ballroom 7
9:00 am - 9:20 am	Panel Discussion Joseph Caprini, MD, Mark Garcia, MD, Anthony Comerota, MD	Arizona Ballroom 7
9:20 am - 9:40 am	Break	Arizona Ballroom Foyer
9:40 am - 10:50 am	Venous Leg Ulcers	Arizona Ballroom 7
9:40 am - 9:45 am	Prior to 1988 Kathleen Ozsvath, MD, The Vascular Group	Arizona Ballroom 7
9:45 am - 9:53 am	How is control of swelling a critical component of ulcer healing? Joseph Raffetto, MD, VA Boston Healthcare System	Arizona Ballroom 7
9:53 am - 10:01 am	The journey towards evidence-based ulcer management Tom O'Donnell, MD, Tufts Medical Center	Arizona Ballroom 7
10:01 am - 10:09 am	In what way has iliac vein stenting changed how we manage venous ulcers? William Marston, MD, University of North Carolina	Arizona Ballroom 7
10:09 am - 10:17 am	How might future treatment strategies such as cyanoacrylate or proprietary foam techniques be applied to venous ulcer treatment? Kathleen Gibson, MD, Lake Washington Vascular Surgeons	Arizona Ballroom 7
10:17 am - 10:50 am	Panel Discussion Seshadri Raju, MD, FACS, Kellie Brown, MD, Lowell Kabnick, MD, RPhS, FACS, FACPH	Arizona Ballroom 7

Wednesday, February 21

10:50 am - 11:50 am	Appropriateness in Venous Care	Arizona Ballroom 7
10:50 am - 10:52 am	Prior to 1988 Robert Kistner, MD, Kistner Vein Clinic, Inc.	Arizona Ballroom 7
10:52 am - 11:00 am	Who is treating venous disease in America today? Josh Gabel, MD, Loma Linda (comment by Theodore Teruya, DO)	Arizona Ballroom 7
11:00 am - 11:08 am	Should there be a limit to number of ablations and number of accesses per limb? Nicos Labropoulos, PhD, RVT, Stony Brook University Medical Center	Arizona Ballroom 7
11:16 am - 11:24 am	Can VQI be used as a benchmark for setting ethical standards? Tom Wakefield, MD, University of Michigan Medical Center Nick Osborne, MD, MS, Ann Arbor Veterans Affairs Medical Center	Arizona Ballroom 7
11:24 am - 11:50 am	Panel Discussion Peter Gloviczki, MD, Tom O'Donnell, MD, Joann Lohr, MD, Steve Elias, MD, FACS, FACPH, Jose Almeida, MD, FACS, RPVT, RVT, Dan Monahan, MD	Arizona Ballroom 7
11:30 am - 4:45 pm	Exhibit and Poster Hall Open	Tucson Ballroom
11:50 am - 12:50 pm	Lunch Symposium Hosted by MedTronic - VenaSeal™ Closure System; A Panel Discussion The Procedure, the Patients and Your Practice Kathleen Gibson, MD, Lake Washington Vascular Llewellyn Lee, MD, Fort Belvoir Community Hospital Michael Vasquez, MD, Venous Institute of Buff lo	Arizona Ballroom 6
12:55 pm - 1:00 pm	President & President-Elect Welcome	Arizona Ballroom 7
1:00 pm - 2:35 pm	Scientific Session 1: Deep Venous- Chronic Venous Occlusion Moderators: Marc Passman, MD, University of Alabama at Birmingham Glenn Jacobowitz, MD, NYU Langone Medical Center	Arizona Ballroom 7
1:00 pm - 1:18 pm	1-1 Patient radiation exposure in endovascular inferior vena cava reconstruction Chung Lim, MD, Royal Free London Trust	Arizona Ballroom 7
	1-1 Discussant Mark Garcia, MD, MS, FSIR, Vascular & Interventional Associates of Delaware	Arizona Ballroom 7
1:18 pm - 1:36 pm	1-2 Etiology or Iliac Vein Stent Th ombosis Anil Hingorani, MD, NYU Lutheran Medical Center	Arizona Ballroom 7
	1-2 Discussant Nasim Hedayati, MD, MAS, FACS, RPVI, University of California, Davis	Arizona Ballroom 7
1:36 pm - 1:54 pm	1-3 7-year single-center experience with the Wallstent as treatment for chronic iliofemoral venous obstruction: Long-term clinical and technical outcomes Paul Gagne, MD, Southern Connecticut Vascular Center	Arizona Ballroom 7
	1-3 Discussant: Haraldur Bjarnason, MD, Mayo Clinic	Arizona Ballroom 7
1:54 pm - 2:12 pm	1-4 Venous Stenting in Proximal Venous Outfl w Obstruction – Outcome Predictors Windsor Ting, MD, Mount Sinai School of Medicine	Arizona Ballroom 7
	1-4 Discussant: Patricia E. Thorpe, MD, FSIR, Phoenix St Lukes Medical Center	Arizona Ballroom 7

Wednesday, February 21

2:12 pm - 2:18 pm	Q1-1 Endovascular Treatment of Duplicated Inferior Vena Cava Compression from Retroperitoneal Fibrosis Afsha Aurshina, MBBS, Yale School of Medicine	Arizona Ballroom 7
2:18 pm - 2:25 pm	Q1-2 Outcomes of Venous Bypass Combined with Thoracic Outlet Decompression for Treatment of Central Venous Occlusion Jeffrey Edwards, MD, University of South Florida	Arizona Ballroom 7
2:25 pm - 2:50 pm	Break	Tucson Ballroom
2:50 pm - 4:20 pm	Specialty Symposia	
2:50 pm - 4:20 pm	International Symposium: Sharing Excellence in Global Venous Science: This international session will feature simultaneous English/Spanish translation.	Arizona Ballroom 7
2:50 pm - 2:55 pm	Welcome and Introduction Lowell Kabnick, MD, RPhS, FACS, FACPh, NYU Langone Medical Center	Arizona Ballroom 7
2:55 pm - 3:03 pm	Randomized Controlled Trial comparing Mechanochemical Ablation to Radiofrequency Ablation: the Multicentre Venefit™ versus ClariVein for Varicose Veins Roshan Bootun, BSc MBBS MRCS, Imperial College London	Arizona Ballroom 7
3:04 pm - 3:12 pm	Taping significantly separates the target vein from the skin with the potential to reduce pain and pigmentation following foam sclerotherapy. Christopher Lattimer, MD, Imperial College London	Arizona Ballroom 7
3:13 pm - 3:21 pm	An original model of autologous deep venous neo valve (experimental study) Evgeny Shaydakov, MD, PHD	Arizona Ballroom 7
3:22 pm - 3:30 pm	Patient Compliance to Compression Therapy in Primary Chronic Venous Insufficiency Jorge Ulloa, MD, Cirujano Vascular	Arizona Ballroom 7
3:31 pm - 3:39 pm	Post-thrombotic syndrome in the real world clinical settings: the value of the known post-thrombotic syndrome predictive factors, anticoagulation and compression in the treatment follow up results in the cohort of 100 proximal DVT patients. Tomasz Urbanek, MD, Medical University of Silesia	Arizona Ballroom 7
3:40 pm - 3:48 pm	Breaking Paradigms: A new theory on venous ulcer genesis. Fernando Vega Rasgado, MD, Mexican Academy of Phlebology and Lymphology	Arizona Ballroom 7
3:49 pm - 3:59 pm	Public Discussion Lowell Kabnick, MD, RPhS, FACS, FACPh, NYU Langone Medical Center	Arizona Ballroom 7
4:03 pm - 4:06 pm	Endovenous Laser Ablation Promote Cancer? (Poster) Julio Ferreira, MD, Brazilian Institute of Phlebology	Arizona Ballroom 7
4:03 pm - 4:06 pm	Clinical and Quality of Life Characteristics of CVD Patients in a West London Centre (Poster) Sarah Onida, BSc, MBBS, MRCS, PhD, Imperial College London	Arizona Ballroom 7
4:03 pm - 4:06 pm	1470 nm laser ablation using Radialfiber for branched varices (Poster) Naoto Katimura, MD	Arizona Ballroom 7
4:07 pm - 4:10 pm	Percutaneous cartography of feeder and reticular veins by augmented reality to aid CEAP1 treatment (Poster) Julio Ferreira, MD, Brazilian Institute of Phlebology	Arizona Ballroom 7

Wednesday, February 21

4:07 pm – 4:10 pm	Flying and VTE Risk in the Context of Superficial Venous Interventions (Poster) Sarah Onida, BSc, MBBS, MRCS, PhD, Imperial College London	Arizona Ballroom 7
4:07 pm – 4:10 pm	A case of primary varicose veins of the lower limb which was 6 years old at diagnosis (Poster) Naoto Katimura, MD	Arizona Ballroom 7
4:11 pm – 4:14 pm	Standardization can improve the retrieval rate of temporary inferior vena cava filters in patients with venous thromboembolism (Poster) Peng Jiang, MD, PHD, CV	Arizona Ballroom 7
2:50 pm – 4:20 pm	Society for Vascular Medicine (SVM) Elna Masuda, MD, Straub Clinic & Hospital	Arizona Ballroom 8 - 10
2:50 pm - 3:00 pm	Inflammation and Thrombosis and clinical application Thomas Wakefield, MD, University of Michigan Medical Center	Arizona Ballroom 8 - 10
3:05 pm - 3:15 pm	Family history of thrombosis: The overlooked factor Joseph Caprini, MD, University of Chicago Pritzker School of Medicine	Arizona Ballroom 8 - 10
3:20 pm - 3:30 pm	Thrombophilia and testing: Who, what and when? Teresa Carman, University Hospitals Cleveland Medical Center	Arizona Ballroom 8 - 10
3:35 pm - 3:45 pm	Peri-procedural management of anticoagulation Peter Henke, MD, The University of Michigan	Arizona Ballroom 8 - 10
3:50 pm - 4:00 pm	Biomarkers of thrombosis Yogen Kanthi, MD, University of Michigan Health System	Arizona Ballroom 8 - 10
4:05 pm - 4:15 pm	Factor VIII and D-Dimer as a guide to the length of anticoagulation Joseph Caprini, MD, University of Chicago Pritzker School of Medicine	Arizona Ballroom 8 - 10
	Panel Discussion	Arizona Ballroom 8 - 10
2:50 pm – 4:20 pm	ACP Session - Current State of Pelvic Venous Disease Management and Advocacy	Arizona Ballroom 6
2:50 pm - 3:00 pm	Introduction, Discussion of a SIR Foundation Supported Research Consensus Panel Recommendations and Overview of the Resulting Projects Marlin Schul, MD, Lafayette Regional Vein & Laser Center Neil Khilnani, MD, Weill Medical College at Cornell University	Arizona Ballroom 6
3:00 pm - 3:10 pm	Nomenclature, as well as anatomy and physiology of PVD: Making Sense of it All Mark Meissner, MD, University of Washington Medical Center	Arizona Ballroom 6
3:10 pm - 3:20 pm	Why do Pelvic Venous Interventions Fail and What Accounts for the Sub-Optimal Results in the Literature Kathleen Gibson, MD, Lake Washington Vascular Surgeons	Arizona Ballroom 6
3:20 pm - 3:30 pm	Categorizing Patients with Different Forms of PVD; Development of a Discriminate Tool for PVD Mark Meissner, MD, University of Washington Medical Center	Arizona Ballroom 6
3:30 pm - 3:40 pm	How to Recognize Pelvic Venous Disorders - Questions to Ask and Clinical Clues Stephen Daugherty, MD, ACS, FACPh, Vein Care Centers of Tennessee	Arizona Ballroom 6
3:40 pm - 3:50 pm	How Registry Data Can Help Advocacy Causes: Why We Should All Contribute to One of the Two Registries Marlin Schul, M.D., Lafayette Regional Vein & Laser Center	Arizona Ballroom 6

Wednesday, February 21

3:50 pm - 4:00 pm	Overview of the Advocacy Role of Physician Societies in a Period of Significant Changes in Health Care Economics Chris Pittman, MD, MBA, The Vein Center at Silver Falls Dermatology	Arizona Ballroom 6
4:00 pm - 4:20 pm	Q&A	Arizona Ballroom 6
4:20 pm - 4:35 pm	Break	Tucson Ballroom
4:35 pm - 5:40 pm	Villavicencio Symposium Randomized Trials in Venous Disease: Myth or Necessity Brajesh K Lal, MD, University of Maryland Medical Center	Arizona Ballroom 7
4:40 pm - 4:50 pm	Deep Vein Thrombosis: What Does "Good Evidence" Look Like? Chris Pannucchi, MD, MS, FAWM, University of Utah	Arizona Ballroom 7
4:50 pm - 5:00 pm	Vein Ablation Therapies: Where is the Evidence & What Else Do We Need? Jose Almeida, MD, FACS, RPVI, RVT, Miami Vein Center	Arizona Ballroom 7
5:00 pm - 5:10 pm	Compression Therapy: Towards Evidence Based AVF Guidelines Fedor Lurie, MD, PhD, RPVI, RVT, Jobst Vascular Institute	Arizona Ballroom 7
5:10 pm - 5:20 pm	Biologics for Venous Ulcers: When & Which Ones? Joseph Raffetto, MD, VA Boston Healthcare System	Arizona Ballroom 7
5:20 pm - 5:30pm	Venous Stenting for Chronic Disease: What Does the Evidence Tell Us? William Marston, MD, University of North Carolina	Arizona Ballroom 7
5:30 pm - 5:40 pm	Panel Discussion	Arizona Ballroom 7
5:50 pm - 6:30 pm	Poster Presentations	Tucson Ballroom
5:50 pm - 5:55 pm	P1 Idarucizumab, dabigatran's specific antidote, cross-reacts with melagatran and may also interact with other benzamidine-containing compounds Evi Kalodiki, MD, BA, PhD, DIC, FRCS, Imperial College	Tucson Ballroom
5:56 pm - 6:01 pm	P2 Modification Of Radiofrequency Ablation Regimen For Reducing Complications Of Varicose Veins Treatment Below the Knee Dmitrii Rosukhovskii, DO	Tucson Ballroom
6:02 pm - 6:07 pm	P3 Patient Perception of Restless Leg Syndrome Symptoms after Treatment of Superficial Venous Reflux Disease Jill Ann Hiller, MD	Tucson Ballroom
6:08 pm - 6:13 pm	P4 Recombinant Factor VIIa mediated activation of prothrombin complex concentrates. Comparison of NovoSeven with the biosimilar AryoSeven Evi Kalodiki, MD, BA, PhD, DIC, FRCS, Imperial College	Tucson Ballroom
6:14 pm - 6:19 pm	P5 Discrepancy of Functional Lymphatic Collecting Vessels Identified by Indocyanine Green Lymphography and by Intraoperative Finding in Supermicrosurgical Lymphatico-Venous Anastomosis Ching-Hua Hsieh, MD	Tucson Ballroom
6:20 pm - 6:25 pm	P6 Patient Perspectives on IVC filter retrieval Afsha Aurshina, MBBS, Yale School of Medicine	Tucson Ballroom
6:26 pm - 6:31 pm	P7 Mini-Invasive Surgical Treatment Of Varicose Veins In Elderly Patients for CEAP class C2 or C3 indications: Is It Worth ? Paul Pittaluga, MD, Riviera Vein Institute	Tucson Ballroom
6:32 pm - 6:37 pm	P8 Evaluation of Risk Factors of Endo-venous Heat-induced Thrombosis following Endo-venous Ablation Isamu Kawase, MD	Tucson Ballroom

Wednesday, February 21 / Thursday, February 22

Display Only	P09 Clinical Outcomes of Telemedicine versus Traditional Vein Clinic for Management of Patients with Varicose Vein Judith Lin, MD, Henry Ford Hospital, Detroit, MI	Tucson Ballroom
Display Only	P10 ABO blood group and prevalence of pulmonary embolism Pamela Kim, MD, Stony Brook University Hospital	Tucson Ballroom
Display Only	P11 Utility of an algorithm combining VVSymQ® and VCSS scores to predict disease severity in C2 patients Mikel Sadek, MD, NYU Langone Health	Tucson Ballroom
Display Only	P12 Outcomes following double barrel ilioacaval confluence stenting Arjun Jayaraj, MD	Tucson Ballroom
Display Only	P13 Retrograde Administration of Polidocanol Injectable Microfoam 1% for the Treatment of Superficial Venous Insufficiency: A Review of 250 Cases Steven Deak, MD, Deak Vein NJ Clinic	Tucson Ballroom
Display Only	P14 - Detecting Stent Geometry Changes After Venous Recanalization Using Duplex Ultrasound Cees Wittens, MD, PhD, Maastricht/Aachen University Hospital	Tucson Ballroom
Display Only	P15 - Recurrent Thrombosis After Venous Recanalization Cees Wittens, MD, PhD, Maastricht/Aachen University Hospital	Tucson Ballroom
7:00 pm – 8:30 pm	Welcome Reception & Poster Display	Tucson Ballroom

Thursday, February 22

6:00 am - 7:00 pm	Registration	Arizona Ballroom Foyer
6:30 am - 7:20 am	Breakfast Symposium Hosted by Boston Scientific - DVT: Strategies for Early Intervention Mark Garcia, MD Erin Murphy, MD David Dexter, MD	Arizona Ballroom 6
7:00 am - 12:50 pm	Exhibit and Poster Hall Open	Tucson Ballroom
8:00 am - 11:00 am	Guest Hospitality Suite	Arizona Ballroom 5
7:20 am – 9:10 am	Scientific Session 2: Superficial Venous William Marston, MD, University of North Carolina Patrick Muck, MD, TriHealth-Good Samaritan Hospital	Arizona Ballroom 7
7:20 am-7:38 am	2-5 Laser versus foam randomized controlled trial results at 5 years using absolute change scores with a discord outcome analysis Evi Kalodiki, MD, BA, PhD, DIC, FRCS, Imperial College	Arizona Ballroom 7
	2-5 Discussant: John Carson, MD, RPVI, FACS, MaineGeneral Health	Arizona Ballroom 7
7:38 am-7:56 am	2-6 Concomitant Phlebectomy of Varicosities is Associated with an Increased Incidence of Endothermal Heat Induced Thrombosis during Saphenous Vein Ablation Farah Mohammad, MD, Henry Ford Hospital, Detroit, MI	Arizona Ballroom 7
	2-6 Discussant: Judith Lin, MD, Henry Ford Hospital, Detroit, MI	Arizona Ballroom 7

Thursday, February 22

7:56 am - 8:14 am	2-7 United States Endovenous Ablation Practice Trends: 4-Year Review of Medicare Provider Utilization and Payment Database Joel Crawford, MD, Stonybrook University Hospital, New York	Arizona Ballroom 7
	2-7 Discussant: Brajesh Lal, MD, University of Maryland Medical Center	Arizona Ballroom 7
8:14 am-8:32 am	2-8 Treatment of Deep Venous Stenosis and Superficial Reflux Impacts Healing of Venous Leg Ulcers Refractory to Conservative Treatment Michael Harlander-Locke, MPH, Lake Erie College of Osteopathic Medicine	Arizona Ballroom 7
	2-8 Discussant: Ruth Bush, MD, JD, Scott and White Memorial Hospital, Temple, TX	Arizona Ballroom 7
8:32 am-8:50 am	2-9 Ten Years Outcomes Of Treatment Of Varicose Veins By Ambulatory Selective Ablation Of Varices Under Local anesthesia (ASVAL) Paul Pittaluga, MD, Riviera Vein Institute	Arizona Ballroom 7
	2-9 Discussant: Eric Hager, MD, FACS, University of Pittsburgh Medical Center	Arizona Ballroom 7
8:50 am-9:08 am	2-10 Collateral Patterns in Patients with Obstructive Venous Disease Cees Wittens, MD, PhD, Maastricht/Aachen University Hospital	Arizona Ballroom 7
	2-10 Discussant: Mark Iafrati, MD, Tufts Medical Center	Arizona Ballroom 7
9:08 am-9:14am	Q2-3 Venous ulcer: Could endovenous radiofrequency ablation improve ulcer healing? – Preliminary results of a randomized controlled trial Sergio Giancesini, MD, PhD, University of Ferrara	Arizona Ballroom 7
9:14 am-9:20 am	Q2-4 Ligation of the sapheno-femoral junction tributaries as risk factor for groin recurrence Juliana Puggina, MD, University of Sao Paulo	Arizona Ballroom 7
9:20 am – 9:40 am	Top Abstract Session	Arizona Ballroom 7
	EVF 1st Prize Winner -Randomised Controlled Trial of Compression Therapy Following Endothermal Ablation (Cometa Trial) Roshan Bootun, BSc, MBBS, MRCS, Imperial College London	Arizona Ballroom 7
	Noninvasive Evaluation of Calf Muscle Oxygenation in Patients with Chronic Venous Insufficiency Using Near - Infrared Spectroscopy - Correlation with Clinical Severity Yumiko Sasaki, MD, Tokyo Women's Medical University, Tokyo	Arizona Ballroom 7
9:40 am - 10:10 am	Break	Tucson Ballroom
10:00 am – 11:10 am	D. Eugene Strandness Memorial Lecture - Managing Venous Disease: When Good Results are not Enough Peter Lawrence, MD, UCLA Gonda Vascular Center	Arizona Ballroom 7
11:10 am – 12:50 pm	Scientific Session 3: Venous Thromboembolism Lowell Kabnick, MD, RPhS, FACS, FACPh, NYU Langone Medical Center Suresh Vedantham, MD, FSIR, Washington University in St. Louis	Arizona Ballroom 7
11:10 am-11:28 am	3-11 Fixed dose enoxaparin prophylaxis is inadequate for the majority of surgical patients and inadequate dosing predicts post-operative VTE Christopher Pannucci, MD, MS, FAWM, University of Utah	Arizona Ballroom 7
	3-11 Discussant: Kathleen Gibson, MD, Lake Washington Vascular Surgeons	Arizona Ballroom 7

Thursday, February 22 / Friday, February 23

11:28 am-11:46 am	3-12 Radiation exposure to patients with acute deep venous thrombosis treated with thrombolysis Chung Lim, MD, Royal Free London Trust	Arizona Ballroom 7
	3-12 Discussant: Mikel Sadek, MD, NYU Langone Health	Arizona Ballroom 7
11:46 am-12:04 pm	3-13 Use of Villalta score for defining post-thrombotic disease may lead to false positive diagnosis in 42% of patients with primary chronic venous disease Felix Trihn, MD	Arizona Ballroom 7
	3-13 Discussant: Misaki Kiguchi, MD, Medstar Hospital, Washington, D.C.	Arizona Ballroom 7
12:04 pm-12:22 pm	3-14 The Effects of Statin Therapy on Thrombus Resolution in Patients with Deep Vein Thrombosis Charles Hsu, MD, Yale University	Arizona Ballroom 7
	3-14 Discussant: Jose Diaz, MD, University of Michigan	Arizona Ballroom 7
12:22 pm-12:40 pm	3-15 Iliac Vein Stenting Following Catheter Directed Thrombolysis for Acute Iliofemoral Thrombosis: Outcomes and Predictors of Failure Efthymios Avgerinos, MD, University of Pittsburgh Medical Center	Arizona Ballroom 7
	3-15 Discussant: Harold Welch, MD, Lahey Clinic	Arizona Ballroom 7
12:40 pm-12:45 pm	Q3-5 The Swollen Leg Clinic: Improving the quality of care for outpatients with acute DVT Courtney Morgan, MD, University of Wisconsin, Madison	Arizona Ballroom 7
12:45 pm - 1:45 pm	Lunch	Ania Terrace
1:00 pm	Golf	
5:30 pm - 6:30 pm	Post Golf Reception	Golf Course

Friday, February 23

6:30 am - 7:30 am	Breakfast Symposium Hosted by JOBST	Arizona Ballroom 6
7:00 am - 1:30 pm	Exhibit and Poster Hall Open	Tucson Ballroom
7:00 am - 5:30 pm	Registration Open	Arizona Ballroom Foyer
8:00 am - 11:00 am	Guest Hospitality Suite Open	Arizona Ballroom 5
7:30 am - 8:50 am	Scientific Session 4: Imaging/Diagnostics Brajesh Lal, MD, University of Maryland Medical Center Thomas Elliot, MD, Center for Venous Disease, Tucson	Arizona Ballroom 7
7:30 am - 7:40 am	4-16 D-Dimer Level and location of the DVT Fedor Lurie, MD, PhD, RPVI, RVT, Jobst Vascular Institute	Arizona Ballroom 7
	4-16 Discussant Michael Vasquez, MD, The Venous Institute of Buffalo	Arizona Ballroom 7

Friday, February 23

7:40 am - 7:58 am	4-17 The recalcitrant venous leg ulcer unhealed after 1 year, despite wound center care: Influential risk factors for non-healing Raffi Melikian, MD, Tufts University School of Medicine	Arizona Ballroom 7
	4-17 Discussant Thom Rooke, MD, Mayo Clinic	Arizona Ballroom 7
7:58 am - 8:16 am	4-18 Persistently Low Inferior Vena Cava Filter Retrieval Rates in a Population-Based Cohort Abhisekh Mohapatra, MD, University of Pittsburgh Medical Center	Arizona Ballroom 7
	4-18 Discussant Erin Murphy, MD, Sanger Heart & Vascular Institute	Arizona Ballroom 7
8:16 am - 8:34 am	4-19 Noninvasive evaluation of calf muscle oxygenation in patients with advanced chronic venous insufficiency associated with right heart failure using near-infrared spectroscopy: preliminary experience with 9 patients Takashi Yamaki, MD, Tokyo Women's Medical University	Arizona Ballroom 7
	4-19 Discussant: Angela A. Kokkosis, MD, Stony Brook University Medical Center	Arizona Ballroom 7
8:34 am - 8:39 am	Q4-6 Rate of repeated duplex venous US after incomplete study for lower extremity deep vein thrombosis Khanh Nguyen, MD, Oregon Health Sciences University	Arizona Ballroom 7
8:39 am-8:52 am	Q4-7 Retrievable Inferior Vena Cava Filters – Removed but not Forgotten! Emily Wright, MD, University of Cincinnati College of Medicine	Arizona Ballroom 7
8:52 am-9:15 am	Break	Arizona Ballroom 7
9:15 am - 10:00 am	AVF 30th Anniversary Session - Founder's Panel Celebration William Marston, MD, University of North Carolina Marc Passman, MD, University of Alabama at Birmingham	Arizona Ballroom 7
9:15 am - 9:25 am	AVF History William Marston, MD, University of North Carolina	Arizona Ballroom 7
9:25 am - 9:55 am	AVF Founders & Past Presidents Panel Discuss Founding Members Panelists Robert Kistner, Seshadri Raju, J. Leonel Villavicencio, Ralph DePalma, Norman Rich Past President Panelists Thomas O'Donnell, Bo Eklof, Thomas Wakefield, Frank Padberg, Anthony Comerota, Joseph Caprini, Gregory Moneta, Peter Gloviczki	Arizona Ballroom 7 Arizona Ballroom 7 Arizona Ballroom 7
9:55 am - 10:00 am	2017 Founders Award Presentation	Arizona Ballroom 7
10:00 am - 12:00 pm	President's Session Marc Passman, MD, University of Alabama at Birmingham Elna Masuda, MD, Straub Clinic & Hospital	Arizona Ballroom 7
10:00 am - 10:10 am	President's Annual Review - 2017 AVF Accomplishments Marc Passman, MD, University of Alabama at Birmingham	Arizona Ballroom 7
10:10 am - 10:17 am	Society for Vascular Surgery - American Venous Forum Collaboration Clem Darling, MD, The Vascular Group, PLLC	Arizona Ballroom 7
10:18 am - 10:25 am	Journal of Vascular Surgery - Venous & Lymphatics Update Peter Gloviczki, MD, Mayo Clinic	Arizona Ballroom 7

Friday, February 23

10:26 am - 10:33 am	Vascular Quality Initiative - VQI Update Jose Almeida, MD, FACS, RPVI, RVT, Miami Vein Center	Arizona Ballroom 7
10:34 am - 10:41 am	Health Policy Advocacy Update Fedor Lurie, MD, PhD, RPVI, RVT, Jobst Vascular Institute	Arizona Ballroom 7
10:42 am - 10:50 am	AVFF Strategic Update Lowell Kabnick, MD, RPhS, FACS, FACPh, NYU Langone Medical Center	Arizona Ballroom 7
10:50 am - 10:57 am	2016 BSN Jobst Research Grant - Final Report Maxim Shaydakov, MD, UT Health San Antonio	Arizona Ballroom 7
10:58 am - 11:05 am	2017 BSN Jobst Research Grant - Interim Report Yogendra M. Kanthi, MD, University of Michigan Health System	Arizona Ballroom 7
11:05 am - 11:15 am	2017 Servier Travelling Fellowship Reports Tana Repella, MD, Oregon Health Sciences University Johann Ragg, MD, Angioclinic Vein Center, Berlin	Arizona Ballroom 7
11:15 am - 11:30 am	President Introduction Elna Masuda, MD, Straub Clinic & Hospital	Arizona Ballroom 7
11:30 am - 12:00 pm	Presidential Address Marc Passman, MD, University of Alabama at Birmingham	Arizona Ballroom 7
12:10 pm - 1:10 pm	Member Business Luncheon Marc Passman, MD, University of Alabama at Birmingham	Arizona Ballroom 7
1:20 pm - 2:50 pm	Specialty Symposia Live Imaging Superficial Venous Symposia Steve Elias, MD, FACS, FACPH, Englewood Hospital & Medical Center	Arizona Ballroom 7
1:20 pm - 2:50 pm	IVC Filter Complications and Tough Problems Ellen Dillavou, MD, Duke University Medical Center Open IVC Filter extraction Peter Gloviczki, MD, Mayo Clinic Complications of IVC Filter Misaki Kiguchi, MD, Medstar Hospital, Washington, D.C. IVC Filter Choice Suresh Vendantham, MD, FSIR Washington University in St. Louis Use of IVC Filter in Trauma Patients Makis Avgerinos, MD, PhD, MSc, University of Pittsburgh Medical Center Advanced Techniques of IVC Filter Retrieval Mitch Cox, MD, Duke University Medical Center Update on PREVENT Trial John Rectenwald, MD, University of Wisconsin School of Medicine and Public Health Video of robotic IVC Filter extraction Victor Davila, MD, Mayo Clinic, Scottsdale Debate - Chronic IVC Filter - Take them out or leave them in Take Them Out Patrick Muck, MD, TriHealth-Good Samaritan Hospital Leave them In Mark Garcia, MD, MS, FSIR, Vascular & Interventional Associates of Delaware	Arizona Ballroom 6

Friday, February 23

3:00 pm – 4:22 pm	Scientific Session 5: Complex Venous Disease Harold Welch, MD, Lahey Clinic	Arizona Ballroom 7
3:00 pm-3:18 pm	5-20 The effect of compression and lying down on local matrix metalloproteinases from the dependent leg in healthy subjects and varicose veins patients Christopher Lattimer, MD, Imperial College London	Arizona Ballroom 7
	5-20 Discussant: Tom Wakefield, MD, University of Michigan Medical Center	Arizona Ballroom 7
3:18 pm-3:36 pm	5-21 Healthy subjects lower limb volume and perceived exertion following a standardized walk with and without graduated compression Sergio Giancesini, MD, PhD, University of Ferrara	Arizona Ballroom 7
	5-21 Discussant: Jennifer Watson, MD, Spectrum Health Medical Group	Arizona Ballroom 7
3:36 pm-3:54 pm	5-22 Metabolic Profiling Reveals Changes In Biofluids Of Patients With Chronic Venous Ulceration. Sarah Onida, BSc, MBBS, MRCS, PhD, Imperial College London	Arizona Ballroom 7
	5-22 Discussant: Joe Raffeto, MD, VA Boston Healthcare System	Arizona Ballroom 7
3:54 pm-4:12 pm	5-23 Modifications to Electronic Medical Records (EMR) to Facilitate Venous Ulcer Healing Julie Bitner, PA-c, University of Pittsburgh Medical Center	Arizona Ballroom 7
	5-23 Discussant: Sergio Giancesini, MD, PhD, University of Ferrara	Arizona Ballroom 7
4:12 pm-4:17 pm	Q5-8 Treatment Pattern of Consecutive Patients with Chronic Venous Disease Joel Crawford, MD, Stonybrook University Hospital, New York	Arizona Ballroom 7
4:17 am-4:22 am	Q5-9 Radiation Exposure of Patients with Post Thrombotic Byndrome During Endovenous Recanalization Cees Wittens, MD, PhD, Maastricht/Aachen University Hospital	Arizona Ballroom 7
4:40 pm - 6:00 pm	Scientific Session 6: Lymphedema and other Timely Topics in Contemporary Venous Care Elna Masuda, MD, Straub Clinic & Hospital Ellen Dillavou, MD, Duke University Medical Center	Arizona Ballroom 7
4:40 am-4:58 am	6-24 Utilization of advanced pneumatic compression devices confers a cost effective reduction of medical resource utilization in phlebolymphe ¹ dema Stanley Rockson, MD, Stanford University	Arizona Ballroom 7
	6-24 Discussant: Daniel Monahan, MD, Monahan Vein Clinic	Arizona Ballroom 7
4:58 am-5:16 am	6-25 The diagnostic unreliability of 'classic' physical signs of Lymphedema Seshadri Raju, MD, FACS, The Rane Center	Arizona Ballroom 7
	6-25 Discussant: Lori C. Pounds, MD, University of TX Health Science Center	Arizona Ballroom 7

Friday, February 23

5:16 pm-5:34 pm	6-26 The lymphatics in early venous and peripheral arterial disease John Rasmussen, MD, University of Texas Health Science Center	Arizona Ballroom 7
	6-26 Discussant: Anil P. Hingorani, MD, NYU Lutheran Medical Center	Arizona Ballroom 7
5:34 pm-5:39 pm	Q6-10 Long-Standing Inferior Vena Cava Filter With Strut Extrusion and Retrieval Utilizing a Rotating Dilator Sheath Paul Crisostomo, MD, FACS, Loyola University Medical Center	Arizona Ballroom 7
5:40 pm- 5:45 pm	Q6-11 Beware of Systemic to Portal Shunts: Congenital or Acquired Emily Wright, MD, University of Cincinnati College of Medicine	Arizona Ballroom 7
5:46 pm-5:51 pm	Q6-12 Percutaneous Thrombectomy using a novel single-session device for acute ilio-caval deep vein thrombosis Jason Crowner, MD, University of North Carolina	Arizona Ballroom 7
5:52 pm-5:57 pm	Q6-13 Does Vacuum Assisted Thrombectomy for DVT Result in Extensive Blood Loss Requiring Transfusion? Mark Broering, MD, Good Samaritan Hospital	Arizona Ballroom 7
7:00 pm - 10:30 pm	Forum Finale	Ania Terrace & Lawn





SAVE THE DATE

**The Westin Mission
Hills Golf Resort
And Spa**

Rancho Mirage, CA

**February
19-22, 2019**

