All events held at the Gaylord National Resort & Convention Center, National Harbor, MD unless otherwise noted.
The Society for Vascular Surgery® would like to thank the following companies for their support of the 2016 Vascular Annual Meeting® and participation in the SVS Corporate Partners Program.

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WELCOME TO WASHINGTON!

Our nation’s capital is the perfect venue for this year’s Vascular Annual Meeting, and we are thrilled to have you with us.

This program book represents months of planning and analysis of our members’ and previous attendees’ preferences, all to craft the most educationally exciting annual meeting ever. It’s a guide to all that’s happening at VAM and to the innovations and new ideas of vascular surgeons from around the world.

The 2016 VAM offers a complete spectrum of cutting edge and relevant topics, and I’m most grateful to our 70-plus planners for their efforts. We hope you attend as many events as possible and return home inspired by new ideas and research, and eager to put those new concepts to work.

Bruce A. Perler, M.D.
President, Society for Vascular Surgery
Double down on your time at VAM

Earn more credits than ever for annual meeting sessions

The Society for Vascular Surgery designates this live activity for a maximum of **30.25 AMA PRA Category 1 Credit(s)™**. See the education portion of this book for more details.

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**NEW THIS YEAR**

Take your exams immediately after each session using the link in the SVS annual meeting app!

**GET YOUR CREDITS AT VAM AND SAVE TIME AND MONEY!**

If you attend VAM for three years in a row, you could be able to earn all 60 of your required MOC credits without paying for any other courses!

For educational sessions offering credits, **look for the CME/MOC icon:**

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For your convenience, we’ve created a Schedule At A Glance (inside back cover), that includes an abbreviated view of the entire 2016 VAM schedule, exhibitor directory and floor plans.
REGISTRATION HOURS
The Society for Vascular Surgery (SVS) Vascular Annual Meeting Registration Area is located on Level 1 just outside Exhibit Hall C of the Gaylord National Convention Center.

Hours are:
- Wednesday, June 8: 6:00 AM – 6:30 PM
- Thursday, June 9: 6:00 AM – 6:00 PM
- Friday, June 10: 6:00 AM – 5:30 PM
- Saturday, June 11: 6:00 AM – 5:00 PM

EXHIBIT HALL HOURS
Commercial and Technical Exhibits will be located in the Exhibit Halls A-C located on Level one the convention center. Exhibit income contributes to the meeting’s bottom line which helps reduce registration fees so please frequent the exhibits.

Hours are:
- Thursday, June 9: Noon – 6:30 PM
- Friday, June 10: 9:30 AM – 4:30 PM
- Saturday, June 11: 9:00 AM – 1:00 PM

Don’t miss the timely and innovative “Vascular Live” presentations scheduled in the exhibit hall each day (see daily program tabs for the schedule). These presentations will focus on the latest products and research within the vascular community. Box lunches and refreshments will be held in designated coffee break areas within the exhibit hall.

SPEAKER READY ROOM: CHESAPEAKE A ROOM
All speakers are required to check in at the Speaker Ready Room to preview your presentation, preferably the day before your session. If you are checking in on the day of your session, we suggest that you check in at least 4 hours prior to the start of your session. If you are unavoidably detained, you must still go directly to the Speaker Ready Room. Do not bring a laptop or other media device to the session room.

Hours of operation:
- Tuesday, June 7: 3:00 PM – 6:00 PM
- Wednesday, June 8: 6:00 AM – 6:30 PM
- Thursday, June 9: 6:00 AM – 5:30 PM
- Friday, June 10: 6:00 AM – 5:00 PM
- Saturday, June 11: 6:00 AM – 5:00 PM
SPECIAL EVENTS

(All events take place at the Gaylord National Resort & Convention Center unless otherwise noted)

WEDNESDAY, JUNE 8

6:15 PM – 7:15 PM  International Guest Reception
Maryland Ballroom 1-3, Level 2

5:30 PM – 7:00 PM  SVS PAC Reception
Off site, Rayburn Building on the Hill, Room B318. (Round-trip transportation to depart Maryland Ballroom bus loop entrance promptly at 4:45 pm)

6:45 PM – 7:45 PM  Welcome Reception for Medical Students and General Surgery Residents
Co-sponsored by the SVS Young Surgeons Committee and the Vascular and Endovascular Surgery Society (VESS)
Potomac Ballroom Foyer 1-6 and terrace

THURSDAY, JUNE 9

8:00 AM – 8:30 AM  SVS Opening Ceremony
Potomac Ballroom A/B, Level 3

5:30 PM – 6:30 PM  SVS Opening Reception in the Exhibit Hall
Exhibit Halls A-C, Level 1

6:30 PM – 7:30 PM  SVS Networking Reception for Women, Diversity, and Young Surgeons
Maryland Ballroom 1-3

ALUMNI RECEPTIONS

(All events take place at the Gaylord National Resort & Convention Center unless otherwise noted)

6:30 PM – 8:00 PM  Cleveland Clinic Alumni Reception
Chesapeake G Room, Level 2

6:30 PM – 8:30 PM  Henry Ford Vascular Surgery Alumni Reception
Chesapeake 2 Room, Level 2

6:30 PM – 8:30 PM  Mayo Clinic Alumni Reception
Chesapeake 8 Room, Level 2

6:30 PM – 8:30 PM  Montefiore Medical Center Alumni Reception
Chesapeake B Room, Level 2

6:30 PM – 8:30 PM  UAB Alumni & Friends Reception
Chesapeake 10 Room, Level 2

FRIDAY, JUNE 10

12:15 PM – 1:30 PM  SVS Vascular Surgery Trainee Luncheon
Gaylord National Convention Center, National Harbor 2

8:30 PM – 9:30 PM  Capitol Steps Performance
Potomac Ballroom A/B

SATURDAY, JUNE 11

Noon – 1:30 PM  SVS Member Business Luncheon
Gaylord National Convention Center, Maryland Ballroom B, Level 2
### A SPECIAL THANK YOU TO OUR 2016 SUPPORTERS

**Vascular Annual Meeting Educational Grants**
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**Vascular Annual Meeting Sponsorships**
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- Gore: Window Clings
- ivWatch: Park Bench
- Medtronic: Headquarters Hotel Key Cards, Escalator Clings

### 2016 VASCULAR ANNUAL MEETING

#### Designation of Credit
The Society for Vascular Surgery designates this live activity for a maximum of 30.25 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

#### Overall Learning Objectives
The Vascular Annual Meeting is designed to provide a variety of learning opportunities in vascular surgical practice, research and science that support individual educational needs and lifelong learning. At the conclusion of the meeting, participants should be able to apply the knowledge acquired to enhance patient care.

The overall learning objectives are:
- Identify new technology for diagnosis and treatment of vascular disease.
- Discuss the methodology, results and conclusions of the research presented in vascular health.

#### Target Audience
The Vascular Annual Meeting is designed for:
- Vascular surgeons
- Physicians in related specialties
- Fellows/residents in vascular surgery and general surgery training programs
- Interventional radiologists working in the vascular imaging and intervention field
- Physician assistants and nurses involved in the care of vascular surgical patients
- Vascular technologists and vascular lab administrators
- Researchers, administrators, practice managers and allied health professionals with an interest in the science and treatment of vascular disease
- Medical students with an interest in vascular surgery

#### MOC Part 2 Self-Assessment Credit
Of the 30.25 AMA PRA Category 1 Credits™, 13.25 AMA PRA Category 1 Credits™ are counted toward MOC part 2. Self-assessment is available for each of the seven plenary sessions, which run from Thursday through Saturday, and for each of the breakfast sessions that run on Friday and Saturday. To claim credit for a plenary session or a breakfast session, you must attend that session and then complete a self-assessment exam with a passing score of 75% after that session has ended. Please visit Vascular.org or use the 2016 VAM meeting app to access the self-assessment exams and claim CME and self-assessment credits from now until December 31, 2016.

### A Note About This Book
To make your planning easier, throughout this program book, the activities designated as CME and those that offer MOC are identified with symbols:

- **CME**: Physicians attending activities with this symbol have the opportunity to claim AMA PRA Category 1 Credits™
- **MOC**: Physicians attending activities with this symbol have the opportunity to complete a self-assessment exam that meets the requirements of the American Board of Surgery MOC Part 2—Lifelong Learning and Self-Assessment.

#### Accreditation
The Society for Vascular Surgery® is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.
2016 POSTGRADUATE COURSES DAY

Designation of Credit
The Society for Vascular Surgery designates this live activity for a maximum of 9 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Overall Learning Objectives
The Postgraduate Courses are designed to provide a variety of learning opportunities in vascular surgical practice, research and science that support individual educational needs and lifelong learning. At the conclusion of the meeting, participants should be able to apply the knowledge acquired to enhance patient care.

Target Audience
The Postgraduate Courses are designed for:
- Vascular surgeons
- Physicians in related specialties
- Fellows/residents in vascular surgery and general surgery training programs
- Interventional radiologists working in the vascular imaging and intervention field
- Physician assistants and nurses involved in the care of vascular surgical patients
- Vascular technologists and vascular lab administrators
- Researchers, administrators, practice managers and allied health professionals with an interest in the science and treatment of vascular disease
- Medical students with an interest in vascular surgery

MOC Part 2 Self-Assessment Credit
The total 9 AMA PRA Category 1 Credits™ are counted toward MOC part 2. Self-assessment is available for each of the postgraduate courses, which run on Thursday. To claim credit for a postgraduate course, you must attend that course and then complete a self-assessment exam with a passing score of 75% after that course has ended. Please visit Vascular.org or use the 2016 VAM meeting app to access the self-assessment exams and claim CME and self-assessment credits from now until December 31, 2016.

ULTRASOUND PHYSICS AND VASCULAR TEST INTERPRETATION
PHYSICIAN VASCULAR INTERPRETATION EXAMINATION REVIEW

CME Credit
SVS designates this live activity for a maximum of 3.25 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Learning Objectives
- Demonstrate advanced interpretation skills for various noninvasive vascular tests
- Describe normal and abnormal spectral Doppler waveforms from the major vessels
- Identify various ultrasound artifacts
- Discuss ultrasound physics principles
- Apply the knowledge related to vascular ultrasound interpretation to successfully complete the Registered Physician in Vascular Interpretation (RPVI) examination

Target Audience
The Ultrasound Physics and Vascular Test Interpretation—Physician Vascular Interpretation Examination Review is designed for:
- Vascular disease specialists: vascular surgeons, cardiologists, radiologists, vascular medicine physicians
- Vascular specialists involved in the administration/management of vascular laboratories
- Medical staff involved in interpretation of vascular laboratory examinations
- Vascular disease trainees preparing for the RPVI examination

MOC Part 2 Self-Assessment Credit
The total 3.25 AMA PRA Category 1 Credits™ are counted toward MOC part 2. Self-assessment is available for the RPVI course, which runs on Saturday. To claim credit for the RPVI course, you must attend the course and then complete a self-assessment exam with passing score of 80% after the course has ended. Please visit Vascular.org from a desktop or laptop computer to access the self-assessment exams and claim CME and self-assessment credit from now until December 31, 2016.
WEDNESDAY, JUNE 8

VASCULAR ANNUAL MEETING REGISTRATION

6:00 AM – 6:30 PM
Exhibit Hall C Foyer

POSTGRADUATE COURSES (P1–P6)

7:00 AM – 5:00 PM
Refer to specific course below for room location.

Separate registration required

P1: CONTROVERSIES AND MANAGEMENT OF LOWER EXTREMITY ARTERIAL OCCLUSIVE DISEASE

Text your questions for the discussion portion of the session. First, text
Postgrad135 to 22333 to connect with our messaging service. Then, text your
question. If you prefer not to remain anonymous, be sure to add your name
at the end of your question. Not all questions will be selected by the
moderators for response. Text ‘LEAVE’ at the conclusion of the session to
participate in other sessions.

At the end of this session, participants should be able to:
• Describe the optimal method of medical management for claudication.
• Identify the indications and use of atherectomy devices.
• Describe the angiosome theory of the lower extremity.
• Identify strategies for cost-containment with the availability of emerging technology.
• Explain the indication for endovascular techniques and bypass for critical limb ischemia (CLI).

MODERATORS
Christopher J. Abularrage, MD, Johns Hopkins University, Baltimore, MD
Niten Singh, MD, MS, University of Washington, Seattle, WA

7:00 AM
Current Medical Management and Non-Operative Management of Claudication
Susanna Shin, MD, University of Washington, Seattle, WA
WEDNESDAY, JUNE 8: POSTGRADUATE

7:15 AM  Role of Drug-Eluting Stents and Drug-Coated Balloons in Lower Extremity Interventions: How and When to Incorporate Them into Your Practice
Peter Schneider, MD, Kaiser Permanente Medical Group, Honolulu, HI

7:30 AM  Role of Adventitial-Based Treatment to Prevent Restenosis After Angioplasty: Rationale and Techniques
Christopher Owens, MD, MS, University of California, San Francisco, San Francisco, CA

7:45 AM  Role of Retrograde Pedal Access in Treatment of Lower Extremity Occlusive Disease: Patient Selection and Technique
Hernan Bazan, MD, Ochsner Medical Center, New Orleans, LA

8:00 AM  Atherectomy: Overview of Outcomes and How I Incorporate it into My Practice
Brian G. DeRubertis, MD, University of California, Los Angeles, CA

8:15 AM  Should We Target Specific Tibial Arteries for CLI? Does the Angiosome Theory Work in the Real World?
Richard F. Neville, MD, The George Washington University, Washington, DC

8:30 AM  Endovascular Approach to CLI: How to Choose an Algorithm for Success
Cameron Akbari, MD, Medstar Washington Hospital Center, Washington, DC

8:45 AM  DEBATE: Endovascular Techniques Should Be Utilized First for CLI Patients with Bypass Reserved as a Secondary Strategy (Pro)
Kim J. Hodgson, MD, Southern Illinois University School of Medicine, Springfield, IL

9:00 AM  DEBATE: Endovascular Techniques Should Be Utilized First for CLI Patients with Bypass Reserved as a Secondary Strategy (Con)
Michael S. Conte, MD, University of California, San Francisco, San Francisco, CA

9:15 AM  Cost Containment in the Endovascular Era: How Can We Be Successful in Controlling Cost with so Much New Technology?
Thomas Forbes, MD, University of Toronto, Toronto, Canada

9:30 AM  Discussion

P2: COMPLETE MANAGEMENT OF VENOUS DISEASE: FROM SUPERFICIAL TO DEEP

7:00 – 10:00 AM

Text your questions for the discussion portion of the session. First, text Postgrad246 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

At the end of this session, participants should be able to:
• Identify the evidence-based practice of various advanced venous techniques.
• Identify the current practices in effective clinical management of venous disease.

MODERATORS
Ruth L. Bush, MD, Texas A&M Health Science Center College of Medicine, Bryan, TX
Mark Meissner, MD, University of Washington, Seattle, WA

7:00 AM  Interventional Management of PE: Who, Why, How
Luis R. Leon, MD, Pima Vascular, Tucson, AZ

7:15 AM  Tips and Tricks for Successful Venous Lysis
Marc A. Passman, MD, University of Alabama at Birmingham, Birmingham, AL

7:30 AM  Complex Filter Retrieval
John E. Rectenwald, MD, MS, University of Texas Southwestern Medical Center, Dallas, TX

7:45 AM  Recannalizing Chronic Venous Occlusions
Arjun Jayaraj, MBBS, RANE Center for Venous and Lymphatic Diseases at St. Dominic’s, Jackson, MS

8:00 AM  Pelvic Venous Disorders
Michael Go, MD, Ohio State University, Columbus, OH

8:15 AM  Panel Discussion

8:30 AM  Venous Malformations
Cynthia K. Shortell, MD, Duke University Medical Center, Durham, NC

8:45 AM  Non-Thermal Techniques for Axial Reflux
Jennifer Heller, MD, Johns Hopkins Hospital, Baltimore, MD

9:00 AM  How to Manage Incompetent Perforators
Jose Almeida, MD, Miami Vein Center, Miami, FL

9:15 AM  Wound Care for Venous Stasis Ulcers
John Lantis, MD, St. Luke’s Roosevelt Hospital Center, New York, NY

9:30 AM  Panel Discussion
P3: SVS/APMA JOINT SESSION: MANAGEMENT OF THE DIABETIC FOOT

In collaboration with American Podiatric Medical Association

Text your questions for the discussion portion of the session. First, text Postgrad135 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

At the end of this session, participants should be able to:
- Describe the current management (operative and non-operative) for managing diabetic foot wounds.
- Identify the operative strategies for diabetic foot amputations providing adequate tissue debridement while maintaining foot function.
- Identify the medical and interventional strategies to assure adequate perfusion to the diabetic foot.

MODERATORS
James R. Christina, DPM, American Podiatric Medical Association, Bethesda, MD
Matthew J. Eagleton, MD, Cleveland Clinic, Cleveland, OH

10:15 AM Management of Osteomyelitis—When Are Antibiotics Enough and When to Excise
Emily Cook, DPM, MPH, Harvard Medical School, Boston, MA

10:25 AM Topical Wound Care Strategies: From Normal Saline to Amniotic Tissue—What Works and When
Paul J. Kim, MS, MedStar Georgetown University Hospital, Washington, DC

10:35 AM Medical and Surgical Management of the Charcot Foot
Jeremy Cook, DPM, MPH, Harvard Medical School, Boston, MA

10:45 AM Off-Loading: Is This a Beneficial Preventive Therapy?
Jeffrey D. Lehrman, DPM, FASPS, Foot and Ankle Specialists of Delaware County, Springfield, PA

10:55 AM Panel Discussion

11:05 AM Is There Effective Management of Microvascular Disease?
Mark G. Davies, MD, PhD, UT Health Science Center, San Antonio, TX

11:15 AM Endovascular Revascularization in Diabetics—Outcomes and Special Concerns
Mark F. Conrad, MD, Massachusetts General Hospital, Boston, MA

11:25 AM Open Revascularization in Diabetics—Is This Still a Useful Tool?
Mahmoud B. Malas, MD, MS, Johns Hopkins Hospital, Baltimore, MD

11:35 AM Panel Discussion

12:00 PM The WIFI Classification System: What Is It and How Do I Use It Clinically?
Joseph L. Mills, MD, Baylor College of Medicine, Houston, TX

12:10 PM Predicting Healing—How to Choose Where to Amputate, and the Role of Angiosomes
Philip P. Goodney, MD, MS, Dartmouth-Hitchcock Medical Center, Lebanon, NH

12:20 PM Digital Amputation: Maintaining Foot Function
James R. Christina, DPM, American Podiatric Medical Association, Bethesda, MD

12:30 PM Mid-Foot Amputations: When and How?
Alan Block, DPM, Columbus Podiatry & Surgery, Columbus, OH

12:40 PM Heel Ulceration in the Diabetic—Is This a Salvageable Situation?
Frank Pomposelli, MD, St. Elizabeth’s Medical Center, Brighton, MA

12:50 PM What’s New in Diabetic Foot Management Guidelines?
Peter Henke, MD, University of Michigan, Ann Arbor, MI

1:00 PM Panel Discussion
WEDNESDAY, JUNE 8: POSTGRADUATE

P4: HEMODIALYSIS: CHALLENGES, CONTROVERSIES AND NEW TECHNIQUES

10:15 AM - 1:15 PM

Text your questions for the discussion portion of the session. First, text Postgrad246 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

At the end of this session, participants should be able to:
• Review the updated KDOQI guidelines and algorithms for successful access placement.
• Discuss complex hemodialysis patients and the technical aspects of their care.
• Discuss the endovascular treatment and salvage of the failing access.
• Consider new emerging technologies in the field of hemodialysis access.

MODERATORS
Melissa L. Kirkwood, MD, UT Southwestern Medical Center, Dallas, TX
Jill Zink, MD, Cleveland Clinic, Akron General, Akron, OH

10:15 AM Overview
Mark Nehler, MD, University of Colorado, Aurora, CO

10:30 AM Review of KDOQI (Kidney Disease Outcomes Quality Initiative) Guidelines and Algorithms for Successful Access Placements
Paul Kreienberg, MD, The Vascular Group, Albany Medical College, Albany Medical Center Hospital, Albany, NY

10:45 AM Operative Planning in Difficult Patients
Thomas S. Huber, MD, PhD, University of Florida, Gainesville, FL

11:00 AM Ultrasound Maintenance and the Endovascular Salvage of the Failing Fistula
Anil Hingorani, MD, Total Vascular Care, Brooklyn, NY

11:15 AM Panel Discussion

11:30 AM Break

11:45 AM Technical Aspects of Treating Central Venous Stenosis
Robert E. Engles, MD, Montgomery Vascular Surgery, Montgomery, AL

12:00 PM Steal Syndrome—What to Do?
J. Gregory Modrall, MD, University of Texas Southwestern Medical Center, Dallas, TX

12:15 PM Treatment of Pseudo-Aneurysms
Jeffrey H. Lawson, MD, Duke University Medical Center, Durham, NC

12:30 PM Emerging New Technologies in the Field
Libby Watch, MD, Miami Vascular Specialists, Miami, FL

12:45 PM Other People Want Your Patients: Maintaining a Competitive Edge in a Crowded Marketplace
Daniel McDevitt, MD, Peachtree Vascular Specialists, Stockbridge, GA

1:00 PM Panel Discussion

P5: ENDOVASCULAR STRATEGIES FOR COMPLEX AORTIC SCENARIOS

2:00 PM - 5:00 PM

Text your questions for the discussion portion of the session. First, text Postgrad135 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

At the end of this session, participants should be able to:
• Identify the indications for management of complex aortic aneurysms.
• Identify techniques for treating difficult aortic pathology.
• Recognize the treatment options for endoleak after endograft repair.

MODERATORS
Ali Azizzadeh, MD University of Texas Medical School, Houston, TX
Edward Woo, MD, MedStar Health, Washington, DC

2:00 PM Arch Aneurysms—Current and Future Therapies
Cherrie Z. Abraham, MD, Oregon Health & Science University, Portland, OR

2:12 PM Management of Intramural Hematoma of the Descending Thoracic Aorta
James H. Black, MD, Johns Hopkins University, Baltimore, MD

2:24 PM Endovascular Treatment Options for TAAA with Chronic Type B Dissections
Ali Azizzadeh, MD, University of Texas Medical School, Houston, TX

2:36 PM When Is a Short Neck Too Short?
Sharif Ellozy, MD, Cornell University, New York, NY

2:48 PM Tips and Tricks for Cannulating Renovisceral Branches During FEVAR, Parallel Grafting and Branch Grafting
Manish Mehta, MD, Vascular Health Partners, New York, Queensbury, NY

3:00 PM When Is FEVAR Not Ideal? Relative and Absolute Contraindications
Benjamin W. Starnes, MD, University of Washington, Seattle, WA
WEDNESDAY, JUNE 8: POSTGRADUATE

3:12 PM  Panel Discussion

3:27 PM  Parallel Grafting: Are We Doing the Right Thing?  
Robert Y. Rhee, MD, Maimonides Medical Center, Brooklyn, NY

3:39 PM  Management of Type Ia Endoleaks—Intraprocedural vs. Postprocedural  
William D. Jordan, MD, Emory University, Atlanta, GA

3:51 PM  Past, Present and Future Management of Type II Endoleaks  
Rajesh Malik, MD, MedStar Washington Hospital Center, Washington, DC

4:03 PM  How to Determine Tolerance for Branch Vessel Coverage  
Venita Chandra, MD, Stanford University School of Medicine, Palo Alto, CA

4:15 PM  Techniques for Preservation of the Internal Iliac Arteries  
Darren B. Schneider, MD, Weill Cornell Medical College, New York, NY

4:27 PM  Endovascular Methods for Treating Aortic Infections  
Sean P. Lyden, MD, The Cleveland Clinic, Cleveland, OH

4:39 PM  Panel Discussion

P6: STANDING ON THE SHOULDERS OF GIANTS: OPEN OPERATIVE TECHNIQUES BY THE MASTERS

2:00 PM – 5:00 PM

Text your questions for the discussion portion of the session. First, text Postgrad246 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

At the end of this session, participants should be able to:
- Describe the key steps involved in exposure of the distal internal carotid artery.
- Describe indications for, and the main technical considerations when, performing ex-vivo renal artery reconstruction.
- Describe the indications for operations on the lymphatic system.
- Describe open surgical approaches to the reconstruction of the central veins.
- Describe the indications for open reconstruction of the aortic arch vessels and the surgical approach to do so.
- Describe both the transaxillary and the supra- and infraclavicular approaches to thoracic outlet syndrome, and the strengths of each.
- Outline the indications and important steps in performing an open aortic fenestration operation.
- Outline the technical steps of the NAIS operation.
- Outline the landmarks which are important for exposure of the above knee, below knee, and peroneal arteries from a lateral approach.

MODERATORS
Hasan Dosluoglu, MD, VA Western New York Health Care System, SUNY at Buffalo, Buffalo, NY
Michael Rohrer, MD, University of Tennessee College of Medicine, Memphis, TN

2:00 PM  Operative Exposure of the Distal Internal Carotid Artery  
R. Clement Darling III, MD, Albany Medical College, Albany Medical Center Hospital, The Vascular Group, Albany, NY

2:12 PM  Lateral Exposure of the Above Knee, Below Knee and Peroneal Arteries  
Frank J. Veith, MD, New York University Langone Medical Center, New York, NY

2:24 PM  Ex-Vivo Renal Artery Aneurysm Repair  
Marshall Benjamin, MD, University of Maryland School of Medicine, Baltimore, MD

2:36 PM  Exposure of the Proximal Subclavian Artery and Subclavian to Carotid Transposition  
Mark D. Morasch, MD, Billings Clinic, Billings, MT
WEDNESDAY, JUNE 8: WORKSHOPS

2:48 PM Discussion

3:08 PM Open Fenestration for Aortic Dissection
Gilbert R. Upchurch, MD, University of Virginia Health System, Charlottesville, VA

3:20 PM Open Reconstruction of Central Vein Occlusions
Peter Gloviczki, MD, Mayo Clinic, Rochester, MN

3:32 PM Direct Reconstruction of Aortic Arch Vessels
Richard McCann, MD, Duke University Medical Center, Durham, NC

3:44 PM NAIS Operation
Ahsan Ali, MD, University of Arkansas for Medical Sciences, Little Rock, AR

3:56 PM Discussion

4:16 PM Thoracic Outlet Decompression: Transaxillary Approach
Herbert Machleder, MD, University of California at Los Angeles, School of Medicine, Los Angeles, CA

4:28 PM Thoracic Outlet Decompression: Supraclavicular/Infraclavicular Approach
Robert Thompson, MD, Washington University in St. Louis, St. Louis, MO

4:40 PM Discussion

WORKSHOPS (W1-W24)

8:30 AM – 10:00 AM
ROOM: Chesapeake 6
W5: Atherectomy Techniques
Yaron Sternbach, MD, The Vascular Group, PLLC, Albany, NY

8:30 AM – 10:00 AM
ROOM: Chesapeake 1
W7: Technical Tips for Crossing CTO
Edward Woo, MD, MedStar Health, Washington, DC

10:30 AM – 12:00 PM
ROOM: Chesapeake 5
W10: IVUS: An Essential Tool for the Endovascular Specialist
Jason T. Lee, MD, Stanford University School of Medicine, Pala Alto, CA

1:30 PM – 3:00 PM
ROOM: Chesapeake 3
W14: IVC Filters: Techniques in Deployment and Recovery
Mark Meissner, MD, University of Washington, Seattle, WA

1:30 PM – 3:00 PM
ROOM: Chesapeake 4
W15: Non-Thermal Techniques for Venous Ablation
Kellie Brown, MD, Medical College of Wisconsin, Milwaukee, WI

1:30 PM – 3:00 PM
ROOM: Chesapeake 5
W16: Percutaneous Mechanical Thrombectomy: Challenges, Advances and New Techniques
Melissa L. Kirkwood, MD, UT Southwestern Medical Center, Dallas, TX

1:30 PM – 3:00 PM
ROOM: Chesapeake 6
W17: How to Make Carotid Stenting Competitive with CEA
Peter Schneider, MD, Kaiser Permanente Medical Group, Honolulu, HI

1:30 PM – 3:00 PM
ROOM: Chesapeake 7
W18: FEVAR Tips & Tricks: From Sizing to Implantation
Matthew J. Eagleton, MD, Cleveland Clinic, Cleveland, OH

ASSISTANTS
David L. Gillespie, MD, Southcoast Health System, Fall River, MA
D. Michael Rohrer, MD, UT Southwestern Medical Center, Dallas, TX

ASSISTANTS
Mujtaba Ali, MD, University of Texas Southwestern Medical Center, Dallas, TX
Martyn Knowles, MD, University of North Carolina, Chapel Hill, NC

ASSISTANTS
Peter L. Faries, MD, Icahn School of Medicine at Mount Sinai, New York, NY
Sharif Ellozy, MD, Cornell University, New York, NY
Vikram S. Kashyap, MD, University Hospitals Case Medical Center, Cleveland, OH

ASSISTANTS
Mark Meissner, MD, University Hospitals Case Medical Center, Cleveland, OH

ASSISTANTS
Mohammed A. Khan, MD, University of Tennessee Health Science Center, Memphis, TN
Michael J. Malinowski, MD, Medical College of Wisconsin, Milwaukee, WI
Sudhan Nagarajan, MD, University of Tennessee Health Science Center, Memphis, TN
Peter J. Rossi, MD, Medical College of Wisconsin, Milwaukee, WI
Jean E. Starr, MD, Ohio State University, Columbus, OH

ASSISTANTS
Zachary M. Arthurs, MD, San Antonio Military Medical Center, San Antonio, TX
Mark A. Farber, MD, University of North Carolina, Chapel Hill, NC
Gustavo S. Oderich, MD, Mayo Clinic, Rochester, MN
Andres Schanzler, MD, University of Massachusetts Medical School, Worcester, MA
Benjamin W. Starnes, MD, University of Washington, Seattle, WA
Matthew P. Sweet, MD, University of Washington Medical Center, Seattle, WA

June 8–11  |  Washington D.C.
WEDNESDAY, JUNE 8: WORKSHOPS

3:30 PM – 5:00 PM
W19: DEB/DES Techniques & Applications
ROOM: Chesapeake 1
Michael Go, MD, Ohio State University, Columbus, OH

ASSISTANTS
Cheong J. Lee, MD, Medical College of Wisconsin, Milwaukee, WI
Michael J. Singh, MD, University of Pittsburgh Medical Center, Pittsburgh, PA

3:30 PM – 5:00 PM
W22: Percutaneous Mechanical Thrombectomy: Challenges, Advances and New Techniques
ROOM: Chesapeake 5
Melissa L. Kirkwood, MD, UT Southwestern Medical Center, Dallas, TX
ASSISTANTS
Mujtaba Ali, MD, University of Texas Southwestern Medical Center, Dallas, TX
Martyn Knowles, MD, University of North Carolina, Chapel Hill, NC
Sharif Ellozy, MD, Cornell University, New York, NY

VASCULAR AND ENDOVASCULAR SURGERY SOCIETY PAPER SESSIONS

CME

8:00 AM – 4:00 PM
Refer to specific session below for room location.

CME

8:00 AM – 11:30 AM

V1: VASCULAR AND ENDOVASCULAR SURGERY SOCIETY (VESS) PAPER SESSION 1

To view abstracts for this session, please download the meeting app at www.vsweb.org/mobileapp or consult the Journal of Vascular Surgery supplement.

At the end of this session, participants should be able to:
• Identify new technology for diagnosis and treatment of vascular disease.
• Discuss the methodology, results and conclusions of the research presented in vascular health.

MODERATORS
Zachary M. Arthurs, MD, San Antonio Military Medical Center, San Antonio, TX
Bernadette Aulivola, MD, Loyola University Medical Center, Maywood, IL
Misty D. Humphries, MD, University of California Davis, Sacramento, CA
Matthew R. Smeds, MD, University of Arkansas for Medical Sciences, Little Rock, AR

8:00 AM  Welcome

8:15 AM  VESS01: TransCarotid Artery Revascularization with High-Rate Flow Reversal Embolic Protection Demonstrates Improved Stroke and Death Rate Following FDA Premarket Clearance
Christopher J. Kwolek, MD, Glenn M. LaMuraglia, MD, Richard P. Cambria, MD
Massachusetts General Hospital, Boston, MA

8:30 AM  VESS02: Trends in Costs of Carotid Revascularization
Tammam Obeid, MD, Besma Nejim, MD, Caitlin W. Hicks, MD, MS, Isibor Arhuidese, MD, Joseph Canner, MS, Mahmoud B. Malas, MD, MS
Johns Hopkins Hospital, Baltimore, MD

8:45 AM  VESS03: Evaluating the Efficacy of Selective Shunting and Cerebral Monitoring During Carotid Endarterectomy Using the VQI Database
Clay P. Wiske, MBA1, Isibor Arhuidese, MD2, Mahmoud B. Malas, MD, MS2, Robert B. Patterson, MD1
1Brown University, Providence, RI, 2Johns Hopkins Hospital, Baltimore, MD
9:00 AM  VESS04: Carotid Endarterectomy Within 48 Hours of Symptom Onset Has Increased Rate of Complications
Nicolas Zea, MD, Qiong Wang, PhD, Taylor Smith, MD, Clayton Brinster, MD, W.C. Sternbergh, MD, Hernan Bazan, MD
Ochsner Medical Center, New Orleans, LA

9:15 AM  VESS05: 6-Month Patencies of the Endovascular Arteriovenous Fistula (endoAVF) from the Novel Endovascular Access Trial (NEAT)
Charmaine Lok, MD, Dheeraj K. Rajan, MD, Marc Glickman, MD, MS
1Division of Vascular Surgery, University of Toronto, Toronto, ON, 2Eastern Virginia Medical School, Norfolk, VA

9:30 AM  VESS06: Establishing Patient Specific Criteria for Selecting the Most Appropriate Upper Extremity Vascular Access Procedure: A UCLA/RAND Appropriateness Study
David Cull, MD, Spence Taylor, MD, Karen Woo, MD, MS
1Greenville Health System, Greenville, SC, 2University of South Carolina School of Medicine-Greenville, Greenville, SC, 3University of California Los Angeles, Los Angeles, CA

9:45 AM  VESS07: Aortic Wall Thrombus Affects Outcomes of Endovascular Repair of Complex Aortic Aneurysms Using Fenestrated and Branched Endografts
Mauricio Ribeiro, MD, PhD, Gustavo S. Oderich, MD, Thanila Macedo, MD, Terri Vrtiska, MD, Jan Hofer, RN, Stephen Cha, MS, Bernardo Mendes, MD, Peter Giovickzi, MD
Mayo Clinic, Rochester, MN

10:00 AM  VESS08: Failure of Type II Endoleak Treatment May Be Due to Occult Type I or III Endoleaks
Michael C. Madigan, MD, Michael J. Singh, MD, Rabih A. Chaer, MD, Georges Al-Khoury, MD, Michel S. Makaroun, MD
University of Pittsburgh School of Medicine, Pittsburgh, PA

10:15 AM  VESS09: Extending EVAR to More Patients with Better Outcomes: Comparison of Early versus Contemporary Experience in a National Dataset
Devin S. Zarkowsky, MD, Caitlin W. Hicks, MD, MS, Ian C. Bostock, MD, MS, Mahmoud B. Malas, MD, MS, Philip P. Goodney, MD, MS
1Dartmouth-Hitchcock Medical Center, Lebanon, NH, 2Johns Hopkins University, Baltimore, MD

10:30 AM  VESS10: Comparison of Medical Management and TEVAR for Intractable Pain and Refractory Hypertension in Uncomplicated Acute Type B Aortic Dissections
Liza Flory P. Laquian, MD, Salvatore Scali, MD, Robert Feezor, MD, Adam W. Beck, MD, Kristina A. Giles, MD, Thomas S. Huber, MD, PhD
University of Florida, Gainesville, FL

10:45 AM  VESS11: Lower Extremity Weakness Is Associated with Elevated Blood and Cerebrospinal Fluid Glucose Following Multi-Branched Endovascular Repair of Thoracoabdominal Aortic Aneurysms
Jade Hiramoto, MD, Charlene C. Fernandez, BS, Warren Gasper, MD, Shant Vartanian, MD, Linda M. Reilly, MD, Timothy Chuter, MD
University of California San Francisco, San Francisco, CA

11:00 AM  VESS12: Early and Intermediate Outcomes of Open versus Fenestrated Repair of Complex Abdominal Aortic Aneurysms
Sarah E. Deery, MD, Robert T. Lancaster, MD, Anna M. Gubala, BA, Emel A. Ergul, MS, Christopher J. Kwolek, MD, Mark F. Conrad, MD, Richard P. Cambria, MD, Virendra I. Patel, MD
Massachusetts General Hospital, Boston, MA

11:15 AM  VESS13: The Effect of Surgeon and Hospital Volume on Mortality Following Open and Endovascular Repair of Abdominal Aortic Aneurysms
Sara L. Zettervall, MD, John McCallum, MD, Peter A. Soden, MD, Katie Shean, MD, Sarah E. Deery, MD, James O’Malley, PhD, Bruce Landon, MD, Marc L. Schermerhorn, MD
1Beth Israel Deaconess Medical Center, Boston, MA, 2Massachusetts General Hospital, Boston, MA, 3Dartmouth Institute, Lebanon, NH, 4Harvard Medical School, Boston, MA

12:30 PM – 4:00 PM  V2: VASCULAR AND ENDOVASCULAR SURGERY SOCIETY (VESS) PAPER SESSION 2

At the end of this session, participants should be able to:
• Identify new technology for diagnosis and treatment of vascular disease.
• Discuss the methodology, results and conclusions of the research presented in vascular health.

MODERATORS
Mark F. Conrad, MD, Massachusetts General Hospital, Boston, MA
Matthew Corriere, MD, Wake Forest University Baptist Medical Center, Winston-Salem, NC
Karan Garg, MD, NYU Langone Medical Center, New York, NY
Ravi R. Rajani, MD, Emory University School of Medicine, Atlanta, GA

12:30 PM  VESS14: Outcomes of Bare Metal Stents Compared to Covered Stents for the Treatment of Common Iliac Artery Occlusive Disease in the Vascular Quality Initiative
Elizabeth A. Genovese, MD, MS, Andrew S. Topp, BS, Douglas Landsittel, PhD, Michel S. Makaroun, MD, Donald T. Baril, MD
1University of Pittsburgh Medical Center, Pittsburgh, PA, 2University of Pittsburgh, Pittsburgh, PA, 3University of California Los Angeles, Los Angeles, CA
WEDNESDAY, JUNE 8: VESS

12:45 PM  VESS15: Multi-Institutional Experience in the Management of Adventitial Cystic Disease
Raghu L. Motaganahalli, MD, FRCS¹, Matthew R. Smeds, MD², Michael P. Harlander-Locke, MPH¹, Peter F. Lawrence, MD⁴, Naoki Fujimura, MD, PhD³, Randall R. DeMartino, MD, MS⁶, Giovanni De Caridi, MD, PhD⁷, Vascular Low Frequency Disease Consortium⁴
¹Indiana University, Indianapolis, IN, ²University of Arkansas for Medical Sciences, Little Rock, AR, ³Lake Erie College of Osteopathic Medicine, Erie, PA, ⁴University of California Los Angeles School of Medicine, Los Angeles, CA, ⁵Tokyo Saiseikai Central Hospital, Minatoku-ku, Tokyo, Japan, ⁶Mayo Clinic, Rochester, MN, ⁷University of Messina, Messina, Italy

1:00 PM  VESS16: Disproportionate Use of Atherectomy for SFA Interventions Between Office-Based and Hospital-Based Labs May Be Self-Serving
Dipankar Mukherjee, MD, Homayun Hashemi, MD
INOVA Fairfax Hospital, Falls Church, VA

1:15 PM  VESS17: Amputation After Peripheral Vascular Intervention and Bypass for Claudication in the Vascular Quality Initiative (VQI)
Javairiah Fatima, MD¹, Salvatore Scali, MD¹, Daniel Neal¹, Raghuveer Vallabhaneni, MD¹, Sukgu M. Han, MD¹, Christian Ochoa, MD², Thomas S. Huber, MD, PhD¹, Adam W. Beck, MD¹
¹University of Florida, Gainesville, FL, ²University of North Carolina, Chapel Hill, NC, ³University of Southern California, Los Angeles, CA

1:30 PM  VESS18: Use of Predictive Analytics for the Identification of Latent Vascular Disease and Future Adverse Cardiac Events
Elsie G. Ross, MD, MS¹, Nigam Shah, PhD, MBBS¹, Ronald L. Dalman, MD², Kevin Nead, MD³, Nicholas J. Leeper, MD¹
¹Stanford University Hospital and Clinics, Palo Alto, CA, ²Stanford University, Palo Alto, CA, ³University of Pennsylvania Health System, Philadelphia, PA

1:45 PM  VESS19: Operative Variables Are More Important Than Patient Characteristics in Driving Unplanned Readmissions in Vascular Surgery Patients
Caitlin W. Hicks, MD, MS¹, Michael Bronsert, PhD, MS², Karl E. Hammermeister, MD², William G. Henderson, PhD², Douglas R. Gibula, BS², James H. Black, MD¹, Natalia O. Glebova, MD, PhD²
¹Johns Hopkins University, Baltimore, MD, ²University of Colorado, Aurora, CO

2:00 PM  VESS20: Downward Reimbursement Trends in Vascular Surgery: Who Stands to Lose
Jennifer Perrl, MD, MBA, Gretchen Rutherford, MBA, Philip P. Goodney, MD, MS, Robert M. Zwolak, MD, MPH, Richard J. Powell, MD
Dartmouth-Hitchcock Medical Center, Lebanon, NH

2:15 PM  VESS21: Mesenteric Artery Stenting Using Embolic Protection Device for Treatment of Acute or Chronic Mesenteric Ischemia
Bernardo Mendes, MD¹, Gustavo S. Oderich, MD¹, Tiziano Tallarita, MD², Karina Kanamori, MD¹, Manju Kalra, MBBS¹, Mark Fleming, MD¹, Randall R. DeMartino, MD, MS¹, Peter Gloviczki, MD¹
¹Mayo Clinic, Rochester, MN, ²University of Arizona, Phoenix, AZ

2:30 PM  VESS22: Comparison of Intravascular Ultrasound and Centerline Computed Tomography Determined Aortic Diameters During Thoracic Endovascular Aortic Repair
Sukgu M. Han, MD, Ramsey S. Elsayed, MD, Anuj Mahajan, MD, Fernando Fleischman, MD, Sung W. Ham, MD, Vincent L. Rowe, MD, Mark Cunningham, MD, Fred A. Weaver, MD
University of Southern California, Los Angeles, CA

2:45 PM  VESS23: Peri-Operative Clopidogrel Leads to Increased Bleeding, Cardiac and Respiratory Complications at the Time of Lower Extremity Bypass
Douglas W. Jones, MD¹, Marc L. Schermerhorn, MD¹, Benjamin S. Brooke, MD, PhD², Mark F. Conrad, MD³, Philip P. Goodney, MD, MS⁴, Mark C. Wyers, MD¹, David H. Stone, MD⁴
¹Beth Israel Deaconess Medical Center, Boston, MA, ²University of Utah, Salt Lake City, UT, ³Massachusetts General Hospital, Boston, MA, ⁴Dartmouth-Hitchcock Medical Center, Lebanon, NH

3:00 PM  VESS24: Outcome of Peripheral Venous Reconstructions During Tumor Resection
Philip Y. Sun, MS, BS, Mark Fleming, MD, Kendall Stauffer, Manju Kalra, MBBS, Gustavo S. Oderich, MD, Thomas C. Bower, MD, Peter Gloviczki, MD, Randall R. DeMartino, MD, MS
Mayo Clinic, Rochester, MN

3:15 PM  VESS25: Inadequacies of Venographic Assessment of Anatomic Variables in Iliocaval Disease
Erin Murphy, MD, Blake Johns, BS, Matthew Alias, MS, BS, William Crim, MS, BS, Seshadri Raju, MD, Arjun Jayaraj, MBBS
The RANE Center for Venous and Lymphatic Disease, St Dominic’s Hospital, Jackson, MS

3:30 PM  VESS26: Attachable Radiation Reduction Extension Support Sheath (ARRESS) to Reduce Radiation Exposure for Endovascular Specialists
Hernan Hernandez, MD¹, Iraklis Pipinos, MD, PhD¹, Sara Myers, PhD², Jung Chien, PhD², Frank Rutar, MS¹, Kendra K. Schmid, PhD², Gregory Gordon, MD¹
¹University of Nebraska Medical Center, Omaha, NE, ²University of Nebraska at Omaha, Omaha, NE, ³University of Nebraska Medical Center College of Public Health, Omaha, NE

Bryan Ehler, MD¹, Caitlin W. Hicks, MD, MS¹, Jennifer Lue, BS², Robert J. Beaullieu, MD¹, James H. Black, MD¹
¹Johns Hopkins Hospital, Baltimore, MD, ²University of Maryland School of Medicine, Baltimore, MD
VQI ANNUAL MEETING

8:00 AM – 5:00 PM

Maryland Ballroom B

Separate registration fee required.
This meeting does not offer CME or CE credit.

In collaboration with Vascular Quality Initiative

Objectives:
• Learn how VQI centers have improved quality through presentations of specific case studies
• Learn how to use of VQI data to promote quality improvement, with practical tools that can be used in your own health system
• Develop the quality improvement skills necessary to leverage the maximum potential of your VQI data to improve vascular care
• Gain a better understanding of the full array of VQI Registries

Target Audience:
This event is designed for VQI members and non-members interested in the effective use of VQI data for improved vascular care. This includes physicians, data managers, quality directors and managers, nurse practitioners, and other healthcare professionals.

MODERATOR
Jack L. Cronenwett, MD, Dartmouth-Hitchcock Medical Center, Lebanon, NH
Ted James, MD, MHCM, FACS, University of Vermont Medical Center, Burlington, VT
Larry W. Kraiss, MD, University of Utah, Salt Lake City, UT

8:00 AM – 8:10 AM
Meeting Welcome and Overview
Jack Cronenwett, MD

8:10 AM – 9:30 AM
A Look at Data Entry Questions Across Registries: An Interactive Session
Adam Beck, MD; Daniel Bertges, MD; Randall DeMartino, MD, Thomas Wakefield, MD

9:30 AM – 10:15 AM
Abstracting Data for the New PVI Registry
Daniel Bertges, MD; Carrie Bosela, RN, CPC, CPC-I

10:15 AM – 10:30 AM
Break

10:30 AM – 11:15 AM
VQI Reporting: Practical Tips for Accessing, Producing and Interpreting Data
Shelley Berthiaume, RN MSN HCE; Karen Heany, RN; Kathryn Coughlin, MS; Ke Zhang, MEM

11:15 AM – 11:45 AM
General Q & A

11:45 AM – 12:00 PM
Break

12:00 PM – 12:15 PM
VQI Update (Lunch Included)
Larry Kraiss, MD

12:15 PM – 12:25 PM
An AHRQ Perspective on the Role of Patient Safety Organizations
Diane Cousins, RPh

12:25 PM – 1:15 PM
Keynote Presentation: From Registry Report to Bedside: Leveraging Your Quality Data
Michael Englesbe, MD

1:15 PM – 1:30 PM
Break

1:30 PM – 1:50 PM
EVAR Cost Pilot Study: Combining Clinical Data with Cost Data, A New Value Equation for the VQI
Gary Lemmon, MD; Juliann Helsel

1:50 PM – 2:50 PM
Making Metrics Meaningful: How to Effectively Use Performance Metrics to Improve Clinical Outcomes
Ted James, MD, MHCM

2:50 PM – 3:15 PM
Carolinis Vascular Quality Initiative: Impacting Physician Performance with VQI Data, Transparency is Key
Jeb Hallett, MD

3:15 PM – 3:40 PM
Beaumont Health System: Changing the Care Process to Improve CEA LOS
Frances Becker, RN; Lisa Vergos, RN, CNS; Steven Riman, MD

3:40 PM – 3:55 PM
Break

3:55 PM – 4:20 PM
Memorial Hospital of South Bend: A Physician-led Approach to Improving Quality b Data
Catherine Bringedahl, MS, RCIS; Gerard Duprat, MD

4:20 PM – 4:45 PM
El Camino Hospital: A Need for Change, Using the VQI as the Catalyst for Quality Improvement
Amy Maher, MS; Marsha McRorie; Tej Singh, MD, MBA

4:45 PM – 5:00 PM
Meeting Closing and Adjournment
12:30 PM - 6:00 PM
Refer to specific session below for room location.

FT: INTERNATIONAL FAST TALK
To view abstracts for this session, please download the meeting app at www.vsweb.org/mobileapp or consult the Journal of Vascular Surgery supplement.

At the end of this session, participants should be able to:
• Identify new technology for diagnosis and treatment of vascular disease.
• Discuss the methodology, results and conclusions of the research presented in vascular health.

MODERATORS
Gustav Fraedrich, MD, Dept. of Vascular Surgery, Medical University of Innsbruck, Innsbruck, Austria
Kimihiro Komori, MD, Nagoya University Graduate School of Medicine, Showa-ku, Nagoya, Japan
Peter F. Lawrence, MD, University of California Los Angeles School of Medicine, Los Angeles, CA
Luca di Marzo, MD, Sapienza University of Rome, Rome, Italy
Gustavo S. Oderich, MD, Mayo Clinic, Rochester, MN
Kumud M. Rai, MD, MBA, Max Superspeciality Hospital Saket, New Delhi, India
Wayne Zhang, MD, Louisiana State University Health Sciences Center, Shreveport, LA

12:30 PM - 2:45 PM

Maryland Ballroom C

12:30 PM - 1:00 PM

to Major Amputation in Non-Ambulatory Patients with Ulceration and Gangrene
Rafael Santini Dominguez, MD,1, Jonathan Ramirez-Vazquez, MD,1, Sigfredo Villarin-Ayala, MS,2, Ivan Iriarte, MD,1, Jorge L. Martinez-Trabal, MD1
1St. Lukes Memorial Hospital General Surgery Program, Ponce, Puerto Rico, 2Ponce Health Sciences University Medical School, Ponce, Puerto Rico

1:10 PM FT08: Results of Open or Endovascular Management of Thrombosed Popliteal Artery Aneurysms Following Successful Intrarterial Thrombolysis in a Multicentric Registry
Walter Dorigo, MD,1, Raffaele Pulli, MD,2, Carlo Pratesi, MD1
1University of Florence, Florence, Italy, 2University of Bari, Bari, Italy

1:15 PM FT09: Evaluation of Biomechanical Indices Indicating AAA Rupture Risk Using Real Time 3D Speckle Tracking Ultrasound
Thomas Schmitz-Rixen, MD, PhD,1, Wojciech Derwich, MD,1, Andreas Wittek, Dipl-Ing,2, Christopher Blase, PhD1
1Goethe-University-Hospital Frankfurt am Main, Frankfurt Am Main, Germany, 2Goethe-University Frankfurt am Main, Frankfurt Am Main, Germany

1:20 PM FT10: Endovascular Repair of Rupture or Acute Symptomatic Pararenal Aorta Aneurysm: Chimney and Periscope Technique
Umberto Rossi, MD,1, Alberto Settembrini, MD,1, Raffaello Dallatana, MD,1, Davide Santuari, MD,1, Pierluca Torscia, MD,1, Maurizio Cariati, MD,1, Piergiorgio Settembrini, MD1
1University of Milan, Milan, Italy, 2ASST Santi Paolo e Carlo, Milan, Italy

12:45 PM FT03: Prosthetic Bypass for Restenosis Following Carotid Endarterectomy or Stenting
Giulio Illuminati, MD1, Romain Belmonte, MD, PhD2, Fabrice Schneider, MD, PhD2, Giulia Pizzardi, MD1, Francesco Callì, MD1, Jean-Baptiste Ricco, MD, PhD2
1University of Rome La Sapienza, Rome, Italy, 2University of Poitiers, Poitiers, France

12:50 PM FT04: “The Vein Is Screwed” Proof of Concept of the VeinScrew: A New Percutaneous Venous Closure Device
Doeke Boersma, MD, Frans Moll, MD, PhD, Gert Jan de Borst, MD, PhD
University Medical Center of Utrecht, Utrecht, Netherlands

12:55 PM FT05: The Incidence and Risk Factors of Coronary Steal After Ipsilateral Arteriovenous Fistula in Patients with a Coronary Artery Bypass Graft
Sanghyun Ahn, MD, Seung-Kee Min, MD, PhD, Song-Yi Kim, MD, Sang-il Min, MD, Ho Young Hwang, MD
Seoul National University Hospital, Seoul, South Korea

1:00 PM FT06: Neuromuscular Electrical Stimulation in the Management of Intermittent Claudication: A ‘Stimulating’ Prospect
Adarsh Babber, MBBS, Raveena Ravikumar, MBBS, Katherine Williams, MBBS, Alun H. Davies, FRCS
Imperial College London, London, United Kingdom

1:05 PM FT07: Endovascular Revascularization Superior to Major Amputation in Non-Ambulatory Patients with Ulceration and Gangrene
Rafael Santini Dominguez, MD,1, Jonathan Ramirez-Vazquez, MD,1, Sigfredo Villarin-Ayala, MS,2, Ivan Iriarte, MD,1, Jorge L. Martinez-Trabal, MD1
1St. Lukes Memorial Hospital General Surgery Program, Ponce, Puerto Rico, 2Ponce Health Sciences University Medical School, Ponce, Puerto Rico

1:10 PM FT08: Results of Open or Endovascular Management of Thrombosed Popliteal Artery Aneurysms Following Successful Intrarterial Thrombolysis in a Multicentric Registry
Walter Dorigo, MD,1, Raffaele Pulli, MD,2, Carlo Pratesi, MD1
1University of Florence, Florence, Italy, 2University of Bari, Bari, Italy

1:15 PM FT09: Evaluation of Biomechanical Indices Indicating AAA Rupture Risk Using Real Time 3D Speckle Tracking Ultrasound
Thomas Schmitz-Rixen, MD, PhD,1, Wojciech Derwich, MD,1, Andreas Wittek, Dipl-Ing,2, Christopher Blase, PhD1
1Goethe-University-Hospital Frankfurt am Main, Frankfurt Am Main, Germany, 2Goethe-University Frankfurt am Main, Frankfurt Am Main, Germany

1:20 PM FT10: Endovascular Repair of Rupture or Acute Symptomatic Pararenal Aorta Aneurysm: Chimney and Periscope Technique
Umberto Rossi, MD,1, Alberto Settembrini, MD,1, Raffaello Dallatana, MD,1, Davide Santuari, MD,1, Pierluca Torscia, MD,1, Maurizio Cariati, MD,1, Piergiorgio Settembrini, MD1
1University of Milan, Milan, Italy, 2ASST Santi Paolo e Carlo, Milan, Italy

12:30 PM Introduction

12:35 PM FT01: 1-Year Follow-up After Transcarotid Artery Revascularization (TCAR) with Enroute Transcarotid Neuroprotection System
Ignacio Leal, MD, PhD1, Javier Peinado, MD1, Maria Lamarca, MD1, Ricardo Montoya, MD1, Angel Flores, MD, PhD1, Antonio Orgaz, MD1, Manuel Doblas, MD, PhD1, Enrique Criado, MD, PhD2
1Complejo Hospitalario de Toledo, Toledo, Spain, 2MidMichigan Health System, Midland, MI

12:40 PM FT02: Incomplete Circle of Willis Is Associated with a Higher Incidence of Neurologic Events During Carotid Eversion Endarterectomy Without Shunting
Peter V. Banga, MD1, Andrea Varga, MD1, Csaba Csobay-Novak, MD1, Emese Szanto1, Marton Kolossvary, MD1, Gustavo S. Oderich, MD2, Zsuzsa Nagy, MD1, Laszlo Entz, MD1
1Semmelweis University, Cardiovascular Center, Vascular Surgery Department, Budapest, Hungary, 2Mayo Clinic, Rochester, MN

12:50 PM FT03: Prosthetic Bypass for Restenosis Following Carotid Endarterectomy or Stenting
Giulio Illuminati, MD1, Romain Belmonte, MD, PhD2, Fabrice Schneider, MD, PhD2, Giulia Pizzardi, MD1, Francesco Callì, MD1, Jean-Baptiste Ricco, MD, PhD2
1University of Rome La Sapienza, Rome, Italy, 2University of Poitiers, Poitiers, France

12:55 PM FT04: “The Vein Is Screwed” Proof of Concept of the VeinScrew: A New Percutaneous Venous Closure Device
Doeke Boersma, MD, Frans Moll, MD, PhD, Gert Jan de Borst, MD, PhD
University Medical Center of Utrecht, Utrecht, Netherlands

1:00 PM FT06: Neuromuscular Electrical Stimulation in the Management of Intermittent Claudication: A ‘Stimulating’ Prospect
Adarsh Babber, MBBS, Raveena Ravikumar, MBBS, Katherine Williams, MBBS, Alun H. Davies, FRCS
Imperial College London, London, United Kingdom

1:05 PM FT07: Endovascular Revascularization Superior to Major Amputation in Non-Ambulatory Patients with Ulceration and Gangrene
Rafael Santini Dominguez, MD,1, Jonathan Ramirez-Vazquez, MD,1, Sigfredo Villarin-Ayala, MS,2, Ivan Iriarte, MD,1, Jorge L. Martinez-Trabal, MD1
1St. Lukes Memorial Hospital General Surgery Program, Ponce, Puerto Rico, 2Ponce Health Sciences University Medical School, Ponce, Puerto Rico

1:10 PM FT08: Results of Open or Endovascular Management of Thrombosed Popliteal Artery Aneurysms Following Successful Intrarterial Thrombolysis in a Multicentric Registry
Walter Dorigo, MD,1, Raffaele Pulli, MD,2, Carlo Pratesi, MD1
1University of Florence, Florence, Italy, 2University of Bari, Bari, Italy

1:15 PM FT09: Evaluation of Biomechanical Indices Indicating AAA Rupture Risk Using Real Time 3D Speckle Tracking Ultrasound
Thomas Schmitz-Rixen, MD, PhD,1, Wojciech Derwich, MD,1, Andreas Wittek, Dipl-Ing,2, Christopher Blase, PhD1
1Goethe-University-Hospital Frankfurt am Main, Frankfurt Am Main, Germany, 2Goethe-University Frankfurt am Main, Frankfurt Am Main, Germany

1:20 PM FT10: Endovascular Repair of Rupture or Acute Symptomatic Pararenal Aorta Aneurysm: Chimney and Periscope Technique
Umberto Rossi, MD,1, Alberto Settembrini, MD,1, Raffaello Dallatana, MD,1, Davide Santuari, MD,1, Pierluca Torscia, MD,1, Maurizio Cariati, MD,1, Piergiorgio Settembrini, MD1
1University of Milan, Milan, Italy, 2ASST Santi Paolo e Carlo, Milan, Italy
WEDNESDAY, JUNE 8: INTERNATIONAL

1:25 PM  FT11: The Influence of the Timing of Onset of Type 2 Endoleak on the Late Outcomes of Endovascular Repair of Abdominal Aortic Aneurysms
Aaron Fargion, MD1, Fabrizio Masciello, MD1, Alberto Melani1, Giovanni Pratesi2, Raffaele Pulli, MD3, Walter Dorigo, MD, Carlo Pratesi, MD1
1University of Florence, Florence, Italy, 2University of Rome Tor Vergata, Rome, Italy, 3University of Bari, Bari, Italy

1:30 PM  FT12: Post-Operative 2-Day Blood-Pressure Management Facilitates the shrinkage of Abdominal Aortic Aneurysm Following Endovascular Aortic Repair by Reducing the Incidence Rate of Type II Endoleaks
Yoshihiko Kurimoto, MD, PhD1, Ryushi Maruyama, MD, PhD1, Kosuke Ujihira, MD1, Naritomo Nishioka, MD1, Yuta Iba, MD, PhD1, Akira Yamada, MD, PhD1, Masanori Nojima, MD, PhD2, Katsuhiko Nakanishi, MD, PhD1
1Teine Keijinkai Hospital, Sapporo, Japan, 2University of Tokyo, Tokyo, Japan

1:35 PM  FT13: Neck Dilatation After Endovascular Aneurysm Repair Rarely Exceeds the Implanted Endograft on Long-Term Follow-Up
Nelson Gomes Oliveira, MD1, Frederico Bastos Gonçalves, MD, PhD2, Marie Josee Van Rijn, MD1, Frans Moll, MD, PhD1, Sander Ten Raa, MD, PhD1, Sanne Hoeks, PhD1, Johanna Hendriks, MD, PhD1, Hence Verhagen, MD, PhD1
1Erasmus University Medical Center, Rotterdam, Netherlands, 2University Medical Center of Utrecht, Utrecht, Netherlands

1:40 PM  FT14: Distal Iliac Neck Evolution After EVAR with Trivascular Ovation Stent Graft: Mid-term Results from the Italian Registry
Gianmarco De Donato, MD1, Luciano Bresadola, MD2, Patrizio Castelli, MD1, Roberto Chiesa, MD4, Nicola Mangialardi, MD5, Giovanni Nano, MD4, Francesco Setacci, MD1, Carlo Setacci, MD1
1University of Siena, Siena, Italy, 2University of Rome La Sapienza, Rome, Italy, 3Insulia University, Varese, Italy, 4University of Milan, 5San Filippo Neri Hospital, Rome, Italy

1:45 PM  FT15: A Multicenter 12-Month Experience with a New Iliac Side Branched Device for Revascularization of Hypogastric Arteries
Spyridon N. Mylonas, MD1, Gerhard Rümenapf, MD, PhD2, Hubert Schelzig, MD3, Jörg Heckenkamp, MD4, Marwan Youssef, MD5, Jost Philipp Schäfer, MD, PhD6, Wael Ahmad, MD7, Jan Sigge Brunkwall, MD, PhD1
1University of Cologne, Cologne, Germany, 2Diakonissen-Stiftungskrankenhaus, Speyer, Germany, 3University of Düsseldorf, Düsseldorf, Germany, 4Niels-Stensen-Kliniken, Osnabrück, Germany, 5Johannes Gutenberg University of Mainz, Mainz, Germany, 6University Hospital Schleswig-Holstein, Kiel, Germany, 7University Hospital of Cologne, Cologne, Germany

1:50 PM  FT16: Impact of Iliac Arteries’ Anatomy on the Outcome of Fenestrated/Branched Endografts
Enrico Gallitto, MD, Mauro Gargiulo, MD, PhD, Gianluca Faggioni, MD, PhD, Rodolfo Pini, MD, Antonio Freyrie, MD, Chiara Mascoll, MD, Stefano Ancetti, MD, Andrea Stella, MD
University of Bologna, Bologna, Italy

1:55 PM  FT17: Computed Tomography Evaluation of Adamkiewicz Artery in Patients with and Without Aortic Disease
Alexandre C.M. Amato, MD, PhD1, Jose R. Parga Filho, MD, PhD2, Noedir A.G. Stolf, MD, PhD2
1Universidade de Santo Amaro, Sao Paulo, Brazil, 2Incor, Sao Paulo, Brazil

2:00 PM  FT18: Endovascular Management of Chronic Symptomatic Aortic Dissection (CSAD) with the Streamliner Multilayer Flow Modulator (SMFM): 12-Month Outcomes from the Global Registry
Niamh Hynes, MD1, Edel Kavanagh, PhD1, Sherif Sultan, MD, FRCS2
1Western Vascular Institute, University Hospital Galway, National University of Ireland, Galway, Ireland, 2Galway University Hospital, Galway, Ireland

2:05 PM  FT19: Fenestrated–Branched Endografts for Aortic Arch Dissection Aneurysms
Nikolaos Tsilimparis, MD, PhD1, E. Sebastian Debus, MD, PhD2, Vasileios Saleptsis, MD1, Sabine Wipper, MD, Fiona Rohlffs, MD1, Tilö Kölbl, MD, PhD1
1University Heart Center Hamburg, Hamburg, Germany, 2University Heart Center Hamburg, German Aortic Center, Hamburg, Germany

2:10 PM  FT20: Factors Affecting Aortic Remodeling of Type B Aortic Dissection After Endovascular Aortic Repair
I-Ming Chen, MD, Po-Lin Chen, MD, Chun-Yang Huang, MD, Shih-Hsien Weng, MD, Chun-Che Shih, MD, PhD
Taipei Veterans General Hospital, Taipei City, Taiwan

2:15 PM  FT21: Results of Coeliac Trunk Stenting During Fenestrated or Branched Aortic Endografting
Teresa Martín-Gonzalez, MD, PhD1, Hélène Wattez, MD1, Benjamin Lopez, MD2, Rafaëlle Spear, MD, PhD2, Rachel Clough, MD, PhD2, Adrien Hertault, MD1, Jonathan Sobocinski, MD1, Stephan Haulon, MD, PhD1
1Hôpital Cardiologique, Centre Hospitalier Régional Universitaire de Lille, Lille, France, 2University of Lille, Lille, France

2:20 PM  FT22: Mid-Term Access-related Outcome After Percutaneous Endovascular Aneurysm Repair (PEVAR)
Yehuda G. Wolf, MD, Ronit Tal, MD, Yosef Levi, MD, Alberto Saltiel, MD, Roman Dodkin, MD, Alexander Chaikov, MD, Yefim Rabinovich, MD, Galia Rosen, MD
Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

2:25 PM  Discussion
3:00 PM  Introduction

3:05 PM  IF01: First Million Men Screened in the NHS Abdominal Aortic Aneurysm Screening Programme in England
Jonathan Earnshaw, FRCS, MBBS¹, Clare Oliver Williams, MBBS², Tim Lees, FRCS, MBBS³, Jo Jacomelli, PhD¹, Lisa J. Summers, RN¹, Anne Stevenson, PhD¹, Michael Sweeting, PhD³, Simon Thompson, PhD, MBBS³
¹Gloucestershire Hospitals NHS Foundation Trust, Cheltenham, United Kingdom, ²Cambridge University Hospitals, Cambridge, United Kingdom, ³Newcastle University Hospitals, Newcastle, United Kingdom

DISCUSSANT: Marc L. Schermerhorn, MD, Beth Israel Deaconess Medical Center, Boston, MA

3:15 PM  IF02: Outcome After Ruptured AAA Repair in Octo- and Nonagenarians - Results from the Swedish Vascular Registry 1994-2014
Bjorn Sonesson, MD, PhD¹, Katarina Bjorses, MD, PhD¹, Nuno Dias, MD¹, Kevin Mani, MD, PhD², Anders Wanhainen, MD, PhD², Timothy A. Resch, MD, PhD¹
¹Skåne University Hospital, Malmö, Sweden, ²Surgical Science Uppsala, Uppsala, Sweden

DISCUSSANT: Ravi K. Veeraswamy, MD, Emory University School of Medicine, Atlanta, GA

3:25 PM  IF03: Preliminary Results of a Multicenter Experience with NELLIX System for Endovascular Aneurysm Sealing. Italian Research Nellix-Endoprosthesis-IRENE
Bruno Gossetti, MD, Michelangelo Ferri, MD, PhD, Arnaldo Ippoliti, MD, Fabio Verzini, MD, PhD, Irene Group Investigators, Roberto Silingardi, MD
¹University of Rome La Sapienza, Rome, Italy, ²Mauriziano Hospital, Torino, Italy, ³Tor Vergata University, Rome, Italy, ⁴University of Perugia, Perugia, Italy, ⁵Modena Hospital, Modena, Italy

DISCUSSANT: Paul DiMuzio, MD, Thomas Jefferson University, Philadelphia, PA

3:35 PM  IF04: A Multicenter Experience With Infected Abdominal Aortic Endograft Explantation
Jean-Baptiste Ricco, MD, PhD¹, Xavier Chaufour, MD, PhD²
¹University of Poitiers, Poitiers, France, ²University Hospital of Toulouse, Toulouse, France

DISCUSSANT: Martin R. Back, MD, University of South Florida, Tampa, FL

3:45 PM  IF05: Four-Year Results of an International, Multicenter, Randomized Clinical Trial of a pCMV-vegf165 in Progressive Ischemia Caused by Atherosclerotic Peripheral Arterial Disease: Results from 332 Participants
Igor Plaksa, MD, Roman Deeve, MD, PhD, Ilya Bozo, MD, Alexandra Livanova, Arthur Isaev
Human Stem Cell Institute, Moscow, Russia

DISCUSSANT: Thomas Monahan, MD, University of Maryland, Baltimore, MD

Matthew A. Popplewell, MBBS¹, Huw O. Davies, MBBS¹, Mary Renton, MBBS², Smita Patel, MSc¹, Gareth R. Bate, RN², Arul Ganeshan, MBBS², Andrew W. Bradbury, MD, FRCS¹
¹University of Birmingham, Birmingham, United Kingdom, ²Heart of England NHS Foundation, Birmingham, United Kingdom

DISCUSSANT: Alik Farber, MD, Boston University School of Medicine, Boston, MA

4:05 PM  IF07: Eight-Year Comparison Study of Three Types of Native Arteriovenous Fistula in a Single Center
Emiliano Chisci, MD, Francesco Menici, MD, Pierfrancesco Frosoni, MD, Eugenio Romano, MD, Stefano Michelagnoli, MD
¹San Giovanni di Dio Hospital - USL Centro, Florence, Italy, ²USL Centro - Prato Hospital, Prato, Italy, ³SS Regione Toscano USL Centro Dep of Vascular Surgery, Serravalle Pistoiese, Italy

DISCUSSANT: Linda Harris, MD, Buffalo General Medical Center, Buffalo, NY
WEDNESDAY, JUNE 8: INTERNATIONAL

4:15 PM  IF08: Early and Long-Term Results of Open and Endovascular Treatment of Visceral Artery Aneurysms
Elena Giacomelli, MD, PhD1, Walter Dorigo, MD1, Gabriele Piffaretii, MD, PhD2, Aaron Fargion, MD1, Gianpaolo Carrafiello, MD2, Marco Franchin2, Patrizio Castelli, MD2, Carlo Pratesi, MD1
1University of Florence, Florence, Italy, 2Insubria University, Varese, Italy

DISCUSSANT: Gustavo S. Oderich, MD, Mayo Clinic, Rochester, MN

4:25 PM  Discussion

4:35 PM  IF09: Does a Proficiency-Based Endovascular Training Program Enhance Performance in Real Life: A Randomized Controlled Trial
Heidi Maertens, MD, Rajesh Aggarwal, MD, Nathalie Moreels, MD, Frank Vermassen, MD, PhD, Isabelle Van Herzeele, MD, PhD
Ghent University Hospital, Ghent, Belgium

DISCUSSANT: Shirling Tsai, MD, University of Texas Southwestern Medical Center, Dallas, TX

4:45 PM  IF10: Catheter-Directed Thrombolysis of Acute Entire Limb Deep Vein Thrombosis with Below the Knee Access: A Retrospective Analysis from a Single Center
Guang Liu, MD, PhD, Shanghai 9th People’s Hospital, Shanghai, China

DISCUSSANT: Ellen Dillavou, MD, Duke University Medical Center, Durham, NC

4:55 PM  IF11: Clinical Features and Natural Course of Isolated Spontaneous Abdominal Aortic Dissection (ISAAD)
Ji-Hee Kang, MD, Seon-Hee Heo, MD, Shin-Young Woo, MS, Yang-Jin Park, PhD, Duk-Kyung Kim, PhD, Young-Wook Kim, PhD
Samsung Medical Center, Seoul, Republic of Korea

DISCUSSANT: Michael Stoner, MD, University of Rochester, Rochester, NY

5:05 PM  IF12: Anatomic Feasibility of Next Generation Stent Grafts to Treat Type A Aortic Dissection in the Japanese Population
Naoki Fujimura, MD, PhD1, Shinji Kawaguchi, MD2, Hideaki Obara, MD, PhD2, Akihiro Yoshitake, MD, PhD2, Masanori Inoue, MD, PhD2, Satoshi Otsubo, MD, PhD2, Yuko Kitagawa, MD, PhD2, Hideyuki Shimizu, MD, PhD2
1Tokyo Saiseikai Central Hospital, Minatoku-ku, Tokyo, Japan, 2Keio University School of Medicine, Shinjuku, Tokyo, Japan

DISCUSSANT: Ali Azizzadeh, MD, University of Texas Medical School, Houston, TX

5:15 PM  IF13: Outcomes of the Candy-Plug Technique to Achieve Thrombosis of Thoracic False-lumen Post-Dissection Aneurysms
Nikolaos Tsilimparis, MD, PhD1, Fiona Rohlfes, MD1, Franziska Heidemann, MD1, E. Sebastian Debus, MD, PhD1, Tilo Kölbel, MD, PhD1
1University Heart Center Hamburg, Hamburg, Germany

DISCUSSANT: Benjamin W. Starnes, MD, University of Washington, Seattle, WA

5:25 PM  IF14: Mid-term Outcomes of Endovascular Repair of Thoracoabdominal and Arch Aneurysms in Patients with Connective Tissue Disease
Rachel Clough, MD, PhD1, Teresa Martin-Gonzalez, MD, PhD2, Adrien Hertault, MD3, Rafaëlle Spear, MD, PhD1, Richard Azzouii, MD2, Jonathan Sobocinski, MD, PhD3, Stephan Hauton, MD, PhD4
1Hôpital Cardiologique, Lille, France, 2Aortic Center, Hôpital Cardiologique, Lille, France, 3University Hospital of Lille, Lille, France, 4Centre Hospitalier Régional Universitaire de Lille, Lille, France

DISCUSSANT: James H. Black, MD, Johns Hopkins University, Baltimore, MD

5:35 PM  IF15: Comparison of Outcomes of Open Repair of Thoracoabdominal Aortic Aneurysms and Dissections in Marfan and Degenerative Patients
Yamume Tshomba, MD1, Daniele Mascia, MD2, Marco Leopardi, MD1, Domenico Baccellieri, MD1, Giampiero Negri, MD1, Alessandro Castiglioni, MD1, Germano Melisano, MD2, Roberto Chiesa, MD1
1San Raffaele Scientific Institute, Milan, Italy, 2University of Milan, Milan, Italy

DISCUSSANT: Matthew J. Eagleton, MD, The Cleveland Clinic, Cleveland, OH

5:45 PM  IF16: The Length of Bridging Stent Grafts Affects the Reintervention Rate After Iliac Side Branch Endografting
Michel J. Bosiers, MD1, Giuseppe Panuccio, MD, PhD2, Theo Bisdas, MD, PhD1, Giovanni Torsello, MD, PhD1, Martin Austermann, MD, PhD1
1St. Franziskus Hospital, Muenster, Germany, 2University of Münster, Muenster, Germany

DISCUSSANT: Enrico Ascher, MD, Total Vascular Care, Brooklyn, NY

5:55 PM  Discussion

INTERNATIONAL GUEST RECEPTION
6:15 PM - 7:15 PM
Maryland Ballroom 1-3
WEDNESDAY, JUNE 8: CONCURRENT

CONCURRENT SESSIONS (C2–C4)  CME

4:00 PM –  6:30 PM
Refer to specific session below for room location.

4:00 PM –  5:00 PM  C2: SVS NEW MEMBER SESSION
At the end of this session, participants should be able to:
• Review SVS membership benefits.
• Explain the opportunities for new member participation in the society.
MODERATORS:
Dawn M. Coleman, MD, University of Michigan, Ann Arbor, MI
Eric Endean, MD, University of Kentucky Medical Center, Lexington, KY

4:00 PM  Introduction of Societal Leadership
4:05 PM  President-Elect Welcome
Ronald M. Fairman, MD, University of Pennsylvania Health System, Philadelphia, PA

4:13 PM  The Vascular Surgery Brand
George H. Meier, MD, University of Cincinnati School of Medicine, Cincinnati, OH

4:21 PM  The SVS Political Action Committee (PAC)
Randall R. DeMartino, MD, MS, Mayo Clinic, Rochester, MN

4:29 PM  Vascular Quality Initiative (VQI) and Patient Safety Organization (PSO)
Larry W. Kraiss, MD, University of Utah, Salt Lake City, UT

4:37 PM  The SVS Foundation
Peter F. Lawrence, MD, University of California Los Angeles School of Medicine, Los Angeles, CA

4:45 PM  Overview of Additional Membership Benefits
Eric Endean, MD, University of Kentucky Medical Center, Lexington, KY

4:53 PM  Closing Remarks and a ‘Call to Action’

5:00 PM –  5:30 PM  NEW MEMBER RECEPTION
National Harbor 7

5:00 PM –  6:30 PM  C3: TOOLS TO NAVIGATE THE CHANGING VASCULAR LANDSCAPE
At the end of this session, participants should be able to:
• Recognize the importance of developing a vision for your team.
• Interpret how workforce changes will affect vascular surgery.
• Review the models of multidisciplinary care and how this can impact your practice.
MODERATORS:
Vikram S. Kashyap, MD, University Hospitals Case Medical Center, Cleveland, OH
Vincent L. Rowe, MD, University of Southern California, Los Angeles, CA

5:00 PM  Opening Remarks
5:05 PM  Aligning Your Team to Accomplish Your Strategic Vision
Douglas Wooster, MD, University Health Network, University of Toronto, Toronto, Canada

5:17 PM  Interventional Radiology, Interventional Cardiology and Vascular Training Paradigms: Workforce Implications
Malachi Sheahan, MD, Louisiana State University Health Sciences Center, New Orleans, LA

5:29 PM  DEBATE: Competing in Your Marketplace: How to Increase Market Share
John E. Rectenwald, MD, MS, University of Texas Southwestern Medical Center, Dallas, TX

5:41 PM  DEBATE: Collaboration in a Heart and Vascular Institute Model
Vikram S. Kashyap, MD, University Hospitals Case Medical Center, Cleveland, OH

5:53 PM  Panel Discussion
WEDNESDAY, JUNE 8: CONCURRENT

C4: CONNECTIONS AND CONVERSATIONS FOR YOUNG TO MID-LEVEL VASCULAR SURGEON RESEARCHERS

At the end of this session, participants should be able to:
• Identify opportunities for career development in research.
• Discuss research-based career opportunities with leading experts on these topics.
• Recognize opportunities for attendees to further promote the development of young vascular surgeon scientists.

MODERATORS
Misty D. Humphries, MD, University of California Davis, Sacramento, CA
Grace J. Wang, MD, MS, University of Pennsylvania Health System, Philadelphia, PA

5:00 PM Overall Introduction and Explanation of Logistics

5:02 PM Basic Science and Translational Research
Alan Dardik, MD, PhD, Yale University School of Medicine, New Haven, CT

5:06 PM Small Group Discussion: Basic Science and Translational Research
PANELISTS:
April Boyd, MD, PhD, Harvard Medical School, Boston, MA
John Curci, MD, Vanderbilt University Medical Center, Nashville, TN
Alan Dardik, MD, PhD, Yale University School of Medicine, New Haven, CT
Katherine Gallagher, MD, University of Michigan, Ann Arbor, MI
Melina Kibbe, MD, Northwestern University Feinberg School of Medicine, Chicago, IL
Edith Tzeng, MD, University of Pittsburgh Medical Center, Pittsburgh, PA

5:24 PM Clinical Research
Michael S. Conte, MD, University of California, San Francisco, San Francisco, CA

5:28 PM Small Group Discussion: Clinical Research
PANELISTS:
Michael S. Conte, MD, University of California, San Francisco, San Francisco, CA
Jon Matsumura, MD, University of Wisconsin School of Medicine & Public Health, Madison, WI
Mark Meissner, MD, University of Washington, Seattle, WA
Matthew Menard, MD, Brigham and Women’s Hospital, Boston, MA
Peter Schneider, MD, Kaiser Permanente Medical Group, Honolulu, HI
Wei Zhou, MD, Stanford University School of Medicine, Palo Alto, CA

5:46 PM Patient-Centered Research
Philip P. Goodney, MD, MS, Dartmouth-Hitchcock Medical Center, Lebanon, NH

5:50 PM Small Group Discussion: Patient-Centered Research
PANELISTS:
Matthew Corriere, MD, Wake Forest University Baptist Medical Center, Winston-Salem, NC
Philip P. Goodney, MD, MS, Dartmouth-Hitchcock Medical Center, Lebanon, NH
Marc L. Schermerhorn, MD, Beth Israel Deaconess Medical Center, Boston, MA
Michael J. Singh, MD, University of Pittsburgh Medical Center, Pittsburgh, PA
Wei Zhou, MD, Stanford University School of Medicine, Palo Alto, CA
Robert M. Zwolak, MD, PhD, Dartmouth-Hitchcock Medical Center, Lebanon, NH

6:08 PM Database Research
Marc L. Schermerhorn, MD, Beth Israel Deaconess Medical Center, Boston, MA

6:12 PM Small Group Discussion: Database Research
PANELISTS:
Matthew Corriere, MD, Wake Forest University Baptist Medical Center, Winston-Salem, NC
Philip P. Goodney, MD, MS, Dartmouth-Hitchcock Medical Center, Lebanon, NH
Misty D. Humphries, MD, Dartmouth-Hitchcock Medical Center, Lebanon, NH
Andres Schanzer, MD, University of California, Davis, Sacramento, CA
Misty D. Humphries, MD, University of California Davis, Sacramento, CA
Grace J. Wang, MD, MS, University of Pennsylvania Health System, Philadelphia, PA
**WEDNESDAY, JUNE 8: CONCURRENT**

### FELLOWS/RESIDENTS/STUDENTS

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<tr>
<td>2:00 PM – 6:00 PM</td>
<td>GENERAL SURGERY RESIDENT/ MEDICAL STUDENT SCHOLARSHIP PROGRAM—OPEN AND ENDOVASCULAR SIMULATION TRAINING</td>
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<td>Exhibit Hall D</td>
<td>See Fellow/Resident/Student section for details.</td>
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<tr>
<td>6:45 PM – 7:45 PM</td>
<td>GENERAL SURGERY RESIDENT/ MEDICAL STUDENT PROGRAM— WELCOME RECEPTION</td>
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<td>Potomac 1–6 Foyer</td>
<td>See Fellow/Resident/Student section for details.</td>
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<td>Sponsored by the Young Surgeons Committee and VESS.</td>
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### SVS PAC RECEPTION

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<th>Time</th>
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<tr>
<td>5:30 PM – 7:00 PM</td>
<td>Off-site: Rayburn Bldg., Room B318.</td>
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<td>Round-trip transportation will be provided from the Maryland Ballroom bus loop entrance on Level 2. The shuttle bus will depart promptly at 4:45 p.m.</td>
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June 8-11 | Washington D.C.
- SCHEDULE IN DETAIL -

THURSDAY, JUNE 9

VASCULAR ANNUAL MEETING REGISTRATION

6:00 AM – 6:00 PM
Exhibit Hall C Foyer

SATellite SYMPOSia
BREAKFAST SESSIONS (B1-B3)

6:30 AM – 8:00 AM
Refer to specific session below for room location.

B1: COMPLEX SFA DISEASE:
MAXIMIZING OUTCOMES WHILE
MINIMIZING COSTS*
Sponsored by Abbott

6:30 AM – 8:00 AM
Potomac Ballroom C

Text your questions for the discussion portion of the session. First, text Breakfast147 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

*Satellite symposia breakfast sessions are not eligible for CME credit.

PRESENTING:
Brian G. DeRubertis, MD, University of California Los Angeles, Los Angeles, CA
Peter L. Faries, MD, Icahn School of Medicine at Mount Sinai, New York, NY
**B2: ENDOANCHORS IN PRACTICE: TREATMENT ALGORITHMS FROM THE EXPERTS**

Sponsored by Medtronic

Text your questions for the discussion portion of the session. First, text Breakfast258 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

*Satellite symposia breakfast sessions are not eligible for CME credit.

Bart Muhs, MD, PhD, The Vascular Experts, Middletown, CT
Jeffrey Jim, MD, Washington University School of Medicine, St. Louis, MO
Frank R. Arko, MD, Sanger Health and Vascular Institute, Charlotte, NC
Jean M. Panneton, MD, Sentara Vascular Specialists, Norfolk, VA

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**B3: NEW TECHNIQUES IN ADVANCED IMAGING AND 3D NAVIGATION FOR COMPLEX ENDOVASCULAR PROCEDURES**

Sponsored by Philips

Text your questions for the discussion portion of the session. First, text Breakfast369 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

*Satellite symposia breakfast sessions are not eligible for CME credit

PRESENTING:
Marc L. Schermerhorn, MD, Beth Israel Deaconess Medical Center, Boston, MA
Wayne K. Nelson, MD, Bend Memorial Clinic, Bend, OR

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**RESIDENT/STUDENT PROGRAM BREAKFASTS**

**GENERAL SURGERY RESIDENT PROGRAM BREAKFAST**

See Fellow/Resident/Student section for details.

National Harbor 10/11

**MEDICAL STUDENT (MS1/MS2) PROGRAM BREAKFAST**

See Fellow/Resident/Student section for details.

National Harbor 2

**MEDICAL STUDENT (MS3/MS4) PROGRAM BREAKFAST**

See Fellow/Resident/Student section for details.

National Harbor 3

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**OPENING CEREMONY**

8:00 AM – 8:30 AM

Potomac Ballroom A/B
THURSDAY, JUNE 9

WILLIAM J. VON LIEBIG FORUM (S1)  CME  MOC

8:30 AM - 10:00 AM
Potomac Ballroom A/B

Text your questions for the discussion portion of the session. First, text VAM16 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

To view abstracts for this session, please download the meeting app at www.vsv.org/mobileapp or consult the Journal of Vascular Surgery supplement.

At the end of this session, participants should be able to:
• Identify new technology for diagnosis and treatment of vascular disease.
• Discuss the methodology, results and conclusions of the research presented in vascular health.

MODERATORS
Rabih A. Chaer, MD, University of Pittsburgh Medical Center, Pittsburgh, PA
Bruce Perler, MD, MBA, Johns Hopkins University, Baltimore, MD

8:30 AM  SS01: Pedal Bypass Versus Endovascular Tibial Intervention for Healing Ischemic Foot Wounds
Jon C. Henry, MD, MS, Aureline Boitet, MD, Abhishek Mohaptra, MD, Efthymios D. Avgerinos, MD, Rabih A. Chaer, MD, Michel S. Makaroun, MD, Steven Leers, MD, Eric S. Hager, MD
University of Pittsburgh Medical Center, Pittsburgh, PA

8:42 AM  SS02: Endovascular Treatment of the Common and Deep Femoral Arteries in the Vascular Quality Initiative
Jeffrey Siracuse, MD,1 Kathryn Van Orden, MD,2 Nishant K. Shah, BS1, Jeffrey Kalish, MD,1 Marc L. Schermerhorn, MD,1 Mohammad H. Eslimi, MD,1 Denis Rybin, PhD1, Alik Farber, MD1
1Boston University School of Medicine, Boston, MA, 2Boston Medical Center, Boston, MA

8:54 AM  SS03: Bone Marrow Aspirate Concentrate in Critical Limb Ischemia: Results of an Abridged Prospective Randomized Pivotal Trial in No Option CLI
Mark D. Iafrati, MD1, Thomas F. O’Donnell, MD2, Bruce Perler, MD, MBA3, Karl A. Illig, MD4, John Hallett, MD5, Karen Woo, MD, MS6, Greg Pearl, MD7, Karl R. Stark, MD8
1Tufts Medical Center, Boston, MA, 2Tufts University School of Medicine, Boston, MA, 3Johns Hopkins University, Baltimore, MD, 4University of South Florida, Tampa, FL, 5Roper St Francis, Charleston, SC, 6University of California Los Angeles, Los Angeles, CA, 7Texas Vascular Associates, Dallas, TX, 8University of Missouri, North Kansas City, MO

9:06 AM  SS04: Variation in Peripheral Vascular Disease Treatment Between Salaried and Fee-For-Service Providers
Rebecca Scully, MD1, Wei Jiang, MS1, Stuart Lipsitz, ScD1, Joel Weissman, PhD1, Peter Learn, MD2, Tracey Koehlmoo, PhD3, Adil Haider, MD1, Louis L. Nguyen, MD, MBA4
1Brigham and Women’s Hospital, Boston, MA, 2Walter Reed National Military Medical Center, Bethesda, MD, 3Uniformed Services University of the Health Sciences, Bethesda, MD

9:18 AM  RS01: Tibial Artery Duplex Derived Peak Systolic Velocities Are an Objective Performance Measure After Endovascular Therapy for Arterial Stenosis
Dale Wilson, MD, Sheena K. Harris, MD, Gregory Landry, MD, Gregory L. Moneta, MD, Amir Azarbal, MD, Erica L. Mitchell, MD, Jeffrey D. Crawford, MD, Chandler Barton
Oregon Health and Science University, Portland, OR

9:28 AM  RS03: Reperfusion Injury in the 21st Century
Invited research presentation
Michael Watkins, MD, Massachusetts General Hospital, Boston, MA

9:45 AM  VS01: Adjunctive Arterio-Venous Fistula and Vein Interposition for Infrapopliteal PTFE Bypasses
Enrico Ascher, MD, Total Vascular Care, Brooklyn, NY
At the end of this session, participants should be able to:
• Review the history of vascular surgery.
• Evaluate the present status of vascular surgery.
• Predict the future of vascular surgery.

MODERATOR
Bruce Perler, MD, MBA, Johns Hopkins University, Baltimore, MD

10:00 AM  A Look at the Future of Vascular Surgery
Frank J. Veith, MD, New York University Langone Medical Center, New York, NY

10:30 AM – 12:00 PM  Potomac Ballroom A/B

E. STANLEY CRAWFORD CRITICAL ISSUES FORUM—IN SEARCH OF CLARITY:
SFA-POPLITEAL INTERVENTIONS FOR CLAUDICATION (F1)

Text your questions for the discussion portion of the session. First, text VAM16 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

At the end of this session, participants should be able to:
• Identify the role of exercise training in patients with intermittent claudication based on SFA disease.
• Identify the options for optimizing medical management for patients with intermittent claudication.
• Discuss the current published guidelines for managing patients with SFA disease and intermittent claudication.
• Identify the role of all of the currently available interventional strategies.
• Identify the issues relating to cost and reimbursement when performing SFA interventions for claudication.

MODERATOR
Ronald M. Fairman, MD, University of Pennsylvania Health System, Philadelphia, PA

10:30 AM  Exercise Training for Claudication
Mary McDermott, MD, Northwestern University, Chicago, IL

10:40 AM  Medical Management of Claudication
Elizabeth Ratchford, MD, Johns Hopkins University, Baltimore, MD

10:50 AM  Interventions: Data, Guidelines and Practice
Michael S. Conte, MD, University of California San Francisco, San Francisco, CA

11:00 AM  Using Technology in the Kaiser Model
Peter Schneider, MD, Kaiser Permanente Medical Group, Honolulu, HI

11:10 AM  Making Decisions in Community Practice
Dennis Gable, MD, Texas Vascular Associates, Dallas, TX

11:20 AM  The Financial Side of Claudication
Robert M. Zwolak, MD, PhD, Dartmouth-Hitchcock Medical Center, Lebanon, NH

11:30 AM  Panel Discussion
VASCULAR ANNUAL MEETING 2016

THURSDAY, JUNE 9

12:00 PM – 6:30 PM  EXHIBIT HALL HOURS
Exhibit Halls A–C

12:00 PM – 1:30 PM  LUNCH IN EXHIBIT HALL
Exhibit Halls A–C

12:00 – 1:30 PM  MEET THE LEADERS LUNCHEON
(Invitation only)
Sponsored by the SVS Leadership Development and Diversity Committee, this inaugural event will provide members with an informal networking opportunity to meet with various vascular surgeon leaders to learn more about their respective leadership and mentorship experiences.

GENERAL SURGERY RESIDENT/MEDICAL STUDENT PROGRAM

12:00 – 1:30 PM  DIVERSITY MEDICAL STUDENT SCHOLARSHIP LUNCHEON
(Invitation only)
See Fellow/Resident/Student section for details.

VASCULAR LIVE (VL)

12:15 PM – 1:15 PM  LATEST OUTCOMES FROM LUTONIX® GLOBAL SFA REGISTRY AND HEAD TO HEAD COMPARISON BETWEEN IN.PACT AND LUTONIX® DCB
Sponsored by Bard Peripheral Vascular, Inc.

*Svascular Live presentations are not eligible for CME credit.

SPEAKERS:
Chad Laurich, MD, Sanford Health, Sioux Falls, SD
Renu Virmani, MD, CVPath Institute, Inc., Gaithersburg, MD
Yvonne Bausback, MD, University Hospital Leipzig, Leipzig, Germany

PLENARY SESSION 2 (S2)

1:30 PM – 2:50 PM  Potomac Ballroom A/B

Text your questions for the discussion portion of the session. First, text VAM16 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

To view abstracts for this session, please download the meeting app at www.vsweb.org/mobileapp or consult the Journal of Vascular Surgery supplement.

At the end of this session, participants should be able to:
• Identify new technology for diagnosis and treatment of vascular disease.
• Discuss the methodology, results and conclusions of the research presented in vascular health.

MODERATORS
Mahmoud B. Malas, MD, MS, Johns Hopkins Hospital, Baltimore, MD
Matthew R. Smeds, MD, University of Arkansas for Medical Sciences, Little Rock, AR

1:30 PM  SS06: Effect of Postoperative Anemia and Baseline Cardiac Risk on Adverse Outcomes After Vascular Surgery Interventions
Panos Kougias, MD, MS, Sherene E. Sharath, MPH, Neal R. Barshes, MD, Jayer Chung, MD, Amita Pathak, BS, Millie Chen, BS, Joseph L. Mills, MD
Baylor College of Medicine, Houston, TX

1:42 PM  SS07: Poor Glycemic Control is a Strong Predictor of Post-Operative Morbidity and Mortality in Patients Undergoing Vascular Surgery
Chandler A. Long, MD, Zachary B. Fang, BS, Frances Y. Hu, BS, Ravi K. Veeraswamy, MD, Ravi R. Rajani, MD, Luke P. Brewster, MD, PhD, Elizabeth Duggan, MD, Sandeep Khosla, MD, Yazan Duwayri, MD
1Emory University School of Medicine, Atlanta, GA, 2Emory University, Atlanta, GA

1:54 PM  SS08: Vascular Global Surgery Fees Accurately Reflect the Number of Evaluation and Management Services Provided
Scott M. Damrauer, MD, Paul Foley, MD, Grace J. Wang, MD, MS, Benjamin M. Jackson, MD, Ronald M. Fairman, MD
University of Pennsylvania Health System, Philadelphia, PA
2:06 PM  SS09: Sustained Improvements in Inpatient Outcomes Following Implementation of Vascular Surgeon-Hospitalist Co-Management Service

Rami O. Tadros, MD, Chien Yi M. Png, BA, Melissa Tardiff, BA, Dylan Assael, BA, Sung Yup Kim, MD, Ming Kang, BS, Michael L. Marin, MD, Peter L. Faries, MD
Icahn School of Medicine at Mount Sinai, New York, NY


Mark A. Mattos, MD¹, O.W. Brown, MD²
¹Michigan Vascular Center, Flint, MI, ²William Beaumont Hospital, Royal Oak, MI

2:30 PM  SS11: Eph-B4 Inhibits Arteriovenous Fistula Maturation via Akt1

SVS Foundation Resident Research Prize Winner

Trenton Foster, MD, Clinton Protack, MD, PhD, Takuya Hashimoto, MD, PhD, Kota Yamamoto, MD, Hualong Bai, MD, PhD, Monica Lee, PhD, Jan Kraehling, PhD, Haidi Hu, MD, Mo Wang, MD, William Sessa, PhD, Alan Dardik, MD, PhD
Yale University School of Medicine, New Haven, CT

2:40 PM  VS02: Laparoscopic Division of the Median Arcuate Ligament

Jacqueline Stuhldreher, MD, Stephen Kavic, MD, Michael P. Lilly, MD, Mariano Arosemena, MD
University of Maryland Medical Center, Baltimore, MD

SVS AWARDS CEREMONY

2:50 PM – 3:00 PM  Potomac Ballroom A/B

ROY GREENBERG DISTINGUISHED LECTURE (E2)

3:00 PM – 3:30 PM  Potomac Ballroom A/B

At the end of this session, participants should be able to:
- Understand the importance of high quality data to guide patient care and technical development.
- Gain insight in how diagnostic tools can improve patient care.

MODERATOR
Bruce Perler, MD, MBA, Johns Hopkins University, Baltimore, MD

3:00 PM  Aortic Disease—The Quest to Improve Patient Outcomes

Timothy A. Resch, MD, PhD, Skåne University Hospital, Malmö, Sweden

3:30 PM – 4:00 PM  COFFEE BREAK

Exhibit Halls A–C

TREATMENT STRATEGIES FOR COMPLEX FEMOROPOPLITEAL DISEASE

3:30 PM – 4:00 PM  Exhibit Halls A–C

*Vascular Live presentations are not eligible for CME credit.

SPEAKER:
Niten Singh, MD, University of Washington, Seattle, WA
Text your questions for the discussion portion of the session. First, text VAM16 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

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At the end of this session, participants should be able to:
• Identify new technology for diagnosis and treatment of vascular disease.
• Discuss the methodology, results and conclusions of the research presented in vascular health.

MODERATORS
Ellen Dillavou, MD, Duke University Medical Center, Durham, NC
John E. Rectenwald, MD, MS, University of Texas Southwestern Medical Center, Dallas, TX

4:00 PM SS12: Stent Occlusion Following Iliocaval Stenting—Characteristics and Outcomes
Arjun Jayaraj, MBBS, William Crim, MS, BS, Erin Murphy, MD, Seshadri Raju, MD
The RANE Center for Venous and Lymphatic Diseases at St. Dominic’s Hospital, Jackson, MS

4:12 PM SS13: Ulcer Healing and Quality of Life Outcomes in Endovascular Iliocaval Reconstruction for Patients with Concomitant Inferior Vena Cava and Iliac Occlusive Disease
Steven Abramowitz, MD, Kelsey D. Cobourn, BS, James D. Brooks, MD, Rajesh Malik, MD, Tareq Massimi, MD, Edward Woo, MD
MedStar Washington Hospital Center, Washington, DC

4:24 PM SS14: Radiofrequency Ablation with Concomitant Stab Phlebectomy Increases Risk of Endothermal Heat-Induced Thrombosis: A Propensity-Matched Analysis
Caitlin W. Hicks, MD, MS, J. Trent Magruder, MD, Libby E. Weaver, MD, Sandra R. DiBrito, MD, Cathleen M. Bareski, NP, Jennifer Heller, MD
Johns Hopkins University, Baltimore, MD

4:36 PM RS04: Variation in Inferior Vena Cava Anatomy and Relevance to Caval Stent Graft Modeling
Charles B. Drucker, MD, Donald Harris, MD, Abhishek Bhardwaj, MD, R. Gregory Conway, MD, Oussama Benalla, BS, Robert S. Crawford, MD, Rajabrata Sarkar, MD, PhD
University of Maryland School of Medicine, Baltimore, MD

4:41 PM RS05: The Natural History and Outcomes of Line-Associated Upper Extremity Deep Vein Thromboses in Critically Ill Patients
Joshua M. Underhill, BS, Matthew A. Sherman, BA, Ryan Howard, BA, Anthony N. Hage, BS, Andrea T. Obi, MD, Lena Napolitano, MD, Dawn M. Coleman, MD
University of Michigan Medical School, Ann Arbor, MI

4:46 PM RS06: Initial Experience with Endovenous Cyanoacrylate Adhesive to Treat Saphenous Incompetence
Fadi Elias, MD, Shira Strauss, BS, Theodore Rapanos, MD, FRCS, David A. Szalay, MD
McMaster University, Hamilton, ON

4:51 PM RS07: Comparative Effectiveness of One-Stage Versus Two-Stage Basilic Vein Transposition Arteriovenous Fistula
Benjamin S. Brooke, MD, PhD, Amir Ghafrarian, BS, Mark Sarfati, MD, Larry W. Kraiss, MD
University of Utah, Salt Lake City, UT

4:56 PM RS08: Cilostazol Improves Maturation Rates and Durability of Vascular Access for Hemodialysis
Todd Russell, MD, Andrew J. Seiwert, MD, Anthony Comerota, MD, Fedor Lurie, MD, PhD
ProMedica Jobst Vascular Institute, Toledo, OH

5:01 PM SS15: Translational Advances in Venous Disease for Vascular Surgeons
Rajabrata Sarkar, MD, University of Maryland Medical Center, Baltimore, MD

5:13 PM VS03: Open, Direct Surgical Repair of Budd-Chiari Syndrome
Yukio Kuniyoshi, MD, PhD, Graduate School of Medicine, University of the Ryukyus, Okinawa, Japan

5:23 PM VS04: Superior Vena Cava Replacement Using Bovine Pericardial Tube
Sashi K. Inkollu, MD, Alan Lumsden, MD, FRCS, Michael Reardon, MD
Houston Methodist Hospital, Houston, TX
OPENING RECEPTION

5:30 PM – 6:30 PM
Exhibit Halls A–C

INTERACTIVE POSTER SESSION (IP)

5:30 PM – 6:30 PM
Exhibit Halls A–C

To view abstracts for this session, please download the meeting app at www.vsweb.org/mobileapp or consult the Journal of Vascular Surgery supplement.

VASCULAR LIVE (VL)

5:30 PM – 6:00 PM
Exhibit Halls A–C

PHYSICIAN PERSPECTIVE ON OUTPATIENT BASED LABS (OBLS)

Sponsored by Philips

*Vascular Live presentations are not eligible for CME credit.

VASCULAR LIVE (VL)

6:00 PM – 6:30 PM
Exhibit Halls A–C

INTEGRATED WORKFLOW FOR ENDOGRAFT SIZING, 3D FUSION, AND ASSESSMENT, USING NEW EVAR ASSIST

Sponsored by GE Healthcare

*Vascular Live presentations are not eligible for CME credit.

SPEAKER
Professor Stephan Haulon, MD, Vascular Surgery Hospital Cardiologique, Lille, France

NETWORKING RECEPTION FOR WOMEN, DIVERSITY AND YOUNG SURGEONS

6:30 PM – 7:30 PM
Maryland Ballroom 1–3

ALUMNI RECEPTIONS

6:30 PM – 8:00 PM
Cleveland Clinic Alumni Reception
Chesapeake G

6:30 PM – 8:30 PM
Henry Ford Hospital Alumni Reception
Chesapeake 2

6:30 PM – 8:30 PM
Mayo Clinic Alumni Reception
Chesapeake 8

6:30 PM – 8:30 PM
Montefiore Medical Center Alumni Reception
Chesapeake B

6:30 PM – 8:30 PM
Penn Vascular Alumni Reception
Chesapeake 1

6:30 PM – 10:00 PM
South Asian American Vascular Surgery Reception
National Harbor 2

6:30 PM – 10:00 PM
Stanford Alumni Reception
Chesapeake 4

6:30 PM – 8:30 PM
UCLA Alumni Reception
Chesapeake 9

6:30 PM – 8:30 PM
University of Washington Alumni Reception
Chesapeake 3

6:30 PM – 8:30 PM
Vanderbilt Alumni Reception
Chesapeake 5

6:30 PM – 8:30 PM
Washington University-St. Louis Alumni Reception
Chesapeake 7

6:30 PM – 9:00 PM
Yale Alumni Reception
Chesapeake 6

7:00 PM – 9:00 PM
Baylor Alumni Reception
Off-site: Bond 45 Restaurant, National Harbor
THE BATTLE CONTINUES...BATTLE OF THE BULGE: DEBATING THE FUTURE OF AORTIC ANEURYSM REPAIR

Sponsored by Endologix, Inc.

*Satellite symposia sessions are not eligible for CME credit.

MODERATOR:
Christopher J. Kwolek, MD, Massachusetts General Hospital, Boston, MA

SPEAKERS: TBA

MODERATORS
Amy Reed, MD, Rush University Medical Center, Chicago, IL
Peter Schneider, MD, Kaiser Permanente Medical Group, Honolulu, HI

At the end of this session, participants should be able to:
• Describe the mechanism of radiation-related health effects.
• Describe safety precautions that a clinician may undertake to protect the patient and the health care staff.
• Identify new technologies that may be deployed to detect radiation levels and to prevent excess exposure to radiation.

6:30 AM  Introduction

6:35 AM  Provider Exposure to Radiation: How Much Do I Need to Worry?
Christopher Carsten, MD, Greenville Health System, Greenville, SC

6:45 AM  Biologic Effects of Radiation: Understanding the Mechanism
Sunita D. Srivastava, MD, Cleveland Clinic, Cleveland, OH
B5: PEDIATRIC VASCULAR SURGERY

Text your questions for the discussion portion of the session. First, text Breakfast258 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

At the end of this session, participants should be able to:
- Describe the standards of care in the diagnosis and management of pediatric vascular surgical conditions.
- Describe the standards of care in the diagnosis and management of acute and chronic limb ischemia, including iatrogenic line-related thrombosis/injury.
- Describe the standards of care in the diagnosis and management of pediatric renovascular hypertension resulting from renal artery stenosis and aortic coarctation, including the role for and limitations of renal artery angioplasty.
- Describe the standards of care in the diagnosis and management of venous effort thrombosis in the young athlete.
- Describe diagnostic and endovascular interventional radiologic techniques in children and adolescents.

MODERATORS
Dawn M. Coleman, MD, University of Michigan, Ann Arbor, MI
John White, MD, Advocate Lutheran General Hospital, Park Ridge, IL

6:30 AM  Introduction and Acute IFDVT Involving the IVC and Suprarenal IVC Filter
Joseph D. Raffetto, MD, VA Boston HCS, West Roxbury, MA

6:45 AM  Acute IFDVT with Massive Leg Swelling with Extrinsic Iliac Venous Compression
Marc A. Passman, MD, University of Alabama at Birmingham, Birmingham, AL

7:00 AM  Chronic Venous Outflow Obstruction in Patients with Venous Leg Ulcers: Diagnosis, Treatment and Outcomes
William Marston, MD, University of North Carolina, Chapel Hill, NC

7:15 AM  Acute and Chronic DVT Treatment of the Thrombosed IVC
David L. Gillespie, MD, Southcoast Health System, Fall River, MA

7:35 AM  Panel Discussion
MOCK INTERVIEWS PRACTICE SESSION

GENERAL SURGERY RESIDENT/MEDICAL STUDENT PROGRAM—MOCK INTERVIEWS PRACTICE SESSION

6:30 AM - 8:00 AM

Invitation only
See Fellow/Resident/Student section for details.

PLENARY SESSION 4 (S4)

8:00 AM - 9:30 AM

Potomac Ballroom A/B

Text your questions for the discussion portion of the session. First, text VAM16 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text 'LEAVE' at the conclusion of the session to participate in other sessions.

At the end of this session, participants should be able to:
• Identify new technology for diagnosis and treatment of vascular disease.
• Discuss the methodology, results and conclusions of the research presented in vascular health.

MODERATORS
Ronald L Dalman, MD, Stanford University, Palo Alto, CA
Andres Schanzer, MD, University of Massachusetts Medical School, Worcester, MA

8:00 AM SS16: Prospective, Non-Randomized Study to Evaluate Endovascular Repair of Pararenal and Thoracoabdominal Aortic Aneurysms Using Fenestrated and Branched Endografts with Supra-Celiac Sealing Zones

Gustavo S. Oderich, MD1, Mauricio Ribeiro, MD, PhD1, Jan Hofer, RN1, Jean Wigham, RN1, Stephen Cha, MS1, Leonardo Reis de Souza, MD2, Thainla Macedo, MD, Peter Gloviczki, MD1

1Mayo Clinic, Rochester, MN. 2Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil

8:12 AM SS17: Comparison of Standard Double Fenestrated EVAR Versus Triple or Quadruple Fenestrated EVAR in the Treatment of Complex Aortic Aneurysms

Eric Verhoeven, MD, PhD, Athanasios Katsargyris, MD
Paracelsus Medical University, Klinikum Nuremberg, Nuremberg, Germany

8:24 AM SS18: The Decline in EVAR - National Trends in Open Surgical, Endovascular and Branched/Fenestrated Endovascular Aortic Aneurysm Repair

Bjoern D. Suckow, MD, MS, Mark F. Fillingger, MD, David H. Stone, MD, Philip P. Goodney, MD, MS
Dartmouth-Hitchcock Medical Center, Lebanon, NH

8:36 AM SS19: Trends in Use of the Only FDA-Approved Commercially Available Fenestrated EVAR Device in the United States

Jessica P. Simons, MD, Bing Shue, MD, Julie M. Flahive, MS, Francesco A. Aiello, MD, Danielle R. Doucet, MD, Robert Steppacher, MD, Louis M. Messina, MD, Andres Schanzer, MD
University of Massachusetts Medical School, Worcester, MA

8:48 AM SS20: Any Instruction-for-use Deviation Predicts Device Failure in Patients Undergoing EVAR in Midterm Follow-up

Christine R. Herman, MD, MS1, Philippe Charbonneau, MD2, Sandra Mekhaiel, MS1, Kiattisak Hongku, MD1, Sajjid Hossain, MD1, Kevin Lee, MD1, Luc Dubois, MD1, Oren K. Steinmetz, MD2
1Dalhousie University, Halifax, NS. 2McGill University, Montreal, QC, 3London Health Sciences Centre, London, ON

9:00 AM SS21: Mortality Rates of Ruptured Abdominal Aortic Aneurysm Repair Have Not Changed with Increasing Utilization of EVAR

Christopher B. Washington, MD, Elizabeth A. Genovese, MD, MS, Michel S. Makaroun, MD, Eric S. Hager, MD
University of Pittsburgh Medical Center, Pittsburgh, PA

9:12 AM VS05: Open Repair of an Extent I Thoracoabdominal Aortic Aneurysm

Virendra I. Patel, MD1, Jahan Mohebali, MD1, Winta Mehtsun, MD1, Robert T. Lancaster, MD1, Michael C. Nasr, MD2, Robert Dolan, MD2, Richard P. Cambria, MD1
1Massachusetts General Hospital, Boston, MA. 2Beth Israel Deaconess Medical Center, Boston, MA
VASCULAR LIVE (VL)

**9:30 AM - 10:00 AM**

**TRANSCAROTID ARTERY REVASCULARIZATION (TCAR): THE WAY FORWARD IN TREATING CAROTID ARTERY DISEASE AND STROKE PREVENTION**

Sponsored by Silk Road Medical

*Vascular Live presentations are not eligible for CME credit.

**SPEAKER**
Vikram S. Kashyap, MD, University Hospitals Case Medical Center, Cleveland, OH

**MODERATOR:**
Sumaira Macdonald, MD, Silk Road Medical, Sunnyvale, CA

SPEAKERS:
Vikram S. Kashyap, MD, University Hospitals Case Medical Center, Cleveland, OH
Peter A. Schneider, MD, Kaiser Permanente, Honolulu, HI
Raghu L. Motaganahalli, MD, Indiana University, Indianapolis, IN

10:00 AM - 11:00 AM

**PLENARY SESSION 5 (S5)**  
CME  MOC

**Potomac Ballroom A/B**

Text your questions for the discussion portion of the session. First, text **VAM16** to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text **‘LEAVE’** at the conclusion of the session to participate in other sessions.

**At the end of this session, participants should be able to:**
- Identify new technology for diagnosis and treatment of vascular disease.
- Discuss the methodology, results and conclusions of the research presented in vascular health.

**MODERATORS**
Paul DiMuzio, MD, Thomas Jefferson University, Philadelphia, PA
Jeffrey Jim, MD, MS, Washington University School of Medicine, St. Louis, MO

**10:00 AM**  SS22: Outcomes of Endarterectomy Versus Stenting in Patients with Prior Ipsilateral Carotid Artery Stenting

Isibor Arhuidese, MD\(^1\), Tammam Obeid, MD\(^1\), Besma Nejim, MD\(^1\), Satinderjit Locham, MD\(^1\), Caitlin W. Hicks, MD\(^1\), MS, Mahmoud B. Malas, MD, MS\(^1\)

\(^1\)Johns Hopkins Hospital, Baltimore, MD

**10:12 AM**  SS23: Carotid Endarterectomy Should Not Be Based on Consensus Statement Duplex Velocity Criteria

Jesse A. Columbo, MD\(^1\), Bjorn D. Suckow, MD, MS\(^1\), Claire L. Griffin, MD\(^2\), Philip P. Goodney, MD, MS\(^1\), Jack L. Cronenwett, MD\(^1\), Timothy G. Lukovits, MD\(^1\), Robert M. Zwolak, MD, PhD\(^1\), Mark F. Fillinger, MD\(^1\)

\(^1\)Dartmouth-Hitchcock Medical Center, Lebanon, NH, \(^2\)University of Utah, Salt Lake City, UT

**10:24 AM**  SS24: Volume of Subclinical Microembolization Correlates to Long-Term Cognitive Changes Following Carotid Revascularization

Wei Zhou, MD\(^1\), Elizabeth Hitchner, MS\(^2\), Jyoti Bhat, MS\(^2\), Britnney Baughman, MBA\(^2\), Salil Soman, MD\(^3\), Max Wintermark, MD\(^1\), Allyson Rosen, PhD\(^1\), Jerome Yesavage, MD\(^1\)

\(^1\)Stanford University School of Medicine, Palo Alto, CA, \(^2\)VA Palo Alto Health Care System, Palo Alto, CA, \(^3\)Brigham and Women’s Hospital, Boston, MA

**10:36 AM**  SS25: Impact of Acute Cerebral Ischemic Lesions and Their Volume on the Revascularization Outcome of Symptomatic Carotid Stenosis

Rodolfo Pini, MD, Gianluca Faggioni, MD, PhD, Matteo Longhi, MD, Andrea Vacirca, MD, Liborio Ferrante, MD, Mauro Gargiulo, MD, PhD, Antonio Freyrie, MD, Andrea Stella, MD

University of Bologna, Bologna, Italy

**10:48 AM**  VS06: Vertebral Carotid Artery Transposition: A Hybrid Solution for Type II Endoleak After TEVAR

Philip S. K. Paty, MD, Manish Mehta, MD

Vascular Health Partners, New York, Queensbury, NY

11:00 AM  Introduction

Ronald M. Fairman, MD, University of Pennsylvania Health System, Philadelphia, PA

11:00 AM - 12:15 PM  Vascular Surgery Trainee Luncheon

Sponsored by Young Surgeons Committee and VESS

See Fellow/Resident/Student section for details.
**12:15 PM – 1:30 PM**
**VA SURGEONS MEETING**
National Harbor 4

**12:15 PM – 1:30 PM**
**LUNCH IN EXHIBIT HALL**
Exhibit Halls A–C

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**VASCULAR LIVE (VL)**

**12:30 PM – 1:00 PM**
**FIVE-YEAR PATENCY RATES FOR GORE® PROPATEN® VASCULAR GRAFTS VS. EPTFE GRAFTS WITHOUT HEPARIN. SEE THE RESULTS**

Sponsored by Gore

*Vascular Live presentations are not eligible for CME credit.

SPEAKER
Russell H. Samson, MD, Sarasota Vascular Specialists, Sarasota, FL

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**1:00 PM – 1:30 PM**
**UNDERSTANDING HOW DEVICE DESIGN CAN IMPACT CLINICAL OUTCOMES IN TYPE B DISSECTION**

Sponsored by Gore

*Vascular Live presentations are not eligible for CME credit.

SPEAKER
Alan B. Lumsden, MD, Houston Methodist Hospital, Houston, TX

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**DURABLE TEVAR—RESULTS FROM 100,000 IMPLANTS**

SPEAKER
Mark A. Farber, MD, UNC Chapel Hill, Chapel Hill, NC

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**PLENARY SESSION 6 (S6)**

**1:30 PM – 3:00 PM**
**Potomac Ballroom A/B**

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- Identify new technology for diagnosis and treatment of vascular disease.
- Discuss the methodology, results and conclusions of the research presented in vascular health.

MODERATORS
Ali Azizzadeh, MD, University of Texas Medical School, Houston, TX
Benjamin M. Jackson, MD, University of Pennsylvania Health System, Philadelphia, PA

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**1:30 PM**
**SS26: Emerging Strategies to Control Clot Formation**
Invited research presentation
Elliot L. Chaikof, MD, Beth Israel Deaconess Medical Center, Boston, MA

**1:42 PM**
**RS09: Very Long-Term Follow-up (12-15 Years) of the Dutch Randomized Endovascular Aneurysm Repair Management (DREAM)-trial**
Ted G. van Schaik, BS, Jorg de Bruin, MD, Marc van Sambeek, MD, PhD, Hence Verhagen, MD, PhD, Monique Prinssen, MD, PhD, Rick Grobbee, MD, PhD, Kak Khee Yeung, MD, PhD, Jan D. Blankensteijn, MD, PhD

1. VU Medical Center, Amsterdam, Netherlands, 2St. George’s Healthcare, London, United Kingdom, 3Catharina Ziekenhuis Eindhoven, Eindhoven, Netherlands, 4Erasmus University Medical Center, Rotterdam, Netherlands, 5University Medical Center of Utrecht, Utrecht, Netherlands

**1:47 PM**
**RS10: Fourteen-Year Outcomes of Abdominal Aortic Endovascular Repair with the Zenith Stent-Graft**
Fabio Verzini, MD, PhD, Lydia Romano, MD, Gianbattista Pariani, MD, Gieole Simonte, MD, Diletta Loschi, MD, Giacomo Isernia, MD, Paola De Rango, MD, PhD, Piergiorgio Cao, MD, FRCS

1. University of Perugia, Perugia, Italy, 2Azienda Ospedaliera di Perugia, Perugia, Italy, 3Perugia - Hospital S. M. Misericordia, Perugia, Italy, 4Maria Cecilia Hospital - Ravenna, Cotignola, Italy
1:52 PM  RS11: Long-term Outcomes of EVAR and EVAR with Hypogastric Branch Placement in High-Risk Patients
Mohammad Abbasi, MD, Matthew J. Eagleton, MD, Corey Brier, MA
Cleveland Clinic, Cleveland, OH

1:57 PM  RS12: Sustained Late Branch Patency and Low Incidence of Persistent Type la Endoleaks Following Snorkel/Chimney EVAR Shown in the Updated PERICLES Registry
Jason T. Lee, MD, Felice Pecoraro, MD, Ronald L. Dalman, MD, Kenneth Tran, MD, Giovanni Torsello, MD, PhD, Frank J. Veith, MD, Mario Lachat, MD, PhD, Konstantinos P. Donas, MD, PhD
1Stanford University School of Medicine, Palo Alto, CA, 2University of Palermo, Palermo, Italy, 3St. Franziskus Hospital, Muenster, Germany, 4New York University Langone Medical Center, New York, NY, 5University Hospital of Zurich, Zurich, Switzerland

2:02 PM  RS13: Standard Endovascular Aneurysm Repair in Patients with Wide Proximal Aneurysm Necks Is Associated with Increased Risk of Adverse Events
Nelson Gomes Oliveira, MD, Frederico Bastos Goncalves, MD, PhD, Quirina de Ruiter, MS, Richter Schuurman, MSc, Frans Moll, MD, PhD, Jean-Paul de Vries, MD, PhD, Joost van Herwaarden, MD, PhD, Henric Verhagen, MD, PhD
1Erasmus University Medical Center, Rotterdam, Netherlands, 2Santa Marta Hospital, CHLC, Lisboa, Portugal, 3University Medical Center of Utrecht, Utrecht, Netherlands, 4St. Antonius Hospital, Nieuwegein, Netherlands

2:07 PM  RS14: EVAR Patients Who Are Lost to Follow-Up Have Worse Outcomes
Caitlin W. Hicks, MD, MS, Devin S. Zarkowski, MD, Ian C. Bostock, MD, MS, David H. Stone, MD, Mahmoud B. Malas, MD, MS, James H. Black, MD, Jens Eldrup-Jorgensen, MD, Philip P. Goodney, MD, MS
1Johns Hopkins University, Baltimore, MD, 2Dartmouth-Hitchcock Medical Center, Lebanon, NH, 3Maine Medical Center, Portland, ME

2:12 PM  RS15: Decreased Mortality with Local versus General Anesthesia in EVAR for Ruptured Abdominal Aortic Aneurysm in the Vascular Quality Initiative Database
Selma El-Hag, MBBS, Susan Shaﬁii, MD, Michael Rosenburg, MD, Gabriel Loor, MD, Eric D. Weinhandl, PhD, MS, Mark Miewesoon, MD, Choong J. Lee, MD, Rumi Faizer, MD
1University of Minnesota, Minneapolis, MN, 2Aurora Medical Group Vascular Center, Milwaukee, WI, 3Medical College of Wisconsin, Milwaukee, WI

2:17 PM  RS16: Early Extubation is Associated with Reduced Length of Stay and Improved Outcomes After Elective Aortic Surgery in the Vascular Quality Initiative (VQI)
Ramoncito A. David, MD, Philip P. Goodney, MD, MS, Donald T. Baril, MD, Elizabeth A. Genovese, MD, MS, Benjamin S. Brooke, MD, PhD, Kristine T. Hanson, BA, Peter Gloviczki, MD, Randall R. DeMartino, MD, MS
1Mayo Clinic, Rochester, MN, 2Dartmouth-Hitchcock Medical Center, Lebanon, NH, 3University of California Los Angeles, Los Angeles, CA, 4University of Pittsburgh Medical Center, Pittsburgh, PA, 5University of Utah, Salt Lake City, UT

2:22 PM  RS17: STABLE II Clinical Trial on Endovascular Treatment of Acute, Complicated Type B Aortic Dissection with a Composite Device Design
Joseph V. Lombardi, MD, Thomas G. Gleason, MD, MS, Jean M. Panneton, MD, Benjamin W. Starnes, MD, Michael Dake, MD, Stephan Haulon, MD, PhD, Peter Mossop, MBBS, Feiyi Jia, PhD
1Cooper University Hospital, Camden, NJ, 2University of Pittsburgh School of Medicine, Pittsburgh, PA, 3Eastern Virginia Medical School, Norfolk, VA, 4University of Washington, Seattle, WA, 5Stanford University School of Medicine, Palo Alto, CA, 6Centre Hospitalier Régional Universitaire de Lille, Lille, France, 7St Vincent’s Health Melbourne, Melbourne, Australia, 8Cook Medical, West Lafayette, IN

2:27 PM  RS18: Retrieval of Renal Function After Renal Artery Stenting Improves Survival and Decreases Cardiovascular and Renal Events: Analysis of the CORAL Trial
J. Gregory Modrall, MD, Hong Zhu, PhD, Orson Moe, MD, Lance D. Dworkin, MD, Donald E. Cutlip, MD, Timothy P. Murphy, MD, Christopher Cooper, MD, Robert Toto, MD
1University of Texas Southwestern Medical Center, Dallas, TX, 2Brown University, Providence, RI, 3Harvard Clinical Research Institute, Boston, MA, 4University of Toledo, Toledo, OH

2:32 PM  RS20: Duplex Criteria for Renal Artery In-Stent Restenosis
Joseph C. Wuamett, MD, Michael Soult, MD, Sebastian Larion, MD, MS, S. Sadie Ahanchi, MD, Jean M. Panneton, MD
1Eastern Virginia Medical School, Norfolk, VA, 2Georgia Regents University, Augusta, GA

2:42 PM  VS07: Obliterative Endoaneurysmorraphy with Device Preservation for a Patient with Aneurysmal Sac Expansion Due to Type IIIb Endoleak After Endovascular Aneurysm Repair (EVAR)
Seon-Hee Heo, MD, Yang-Jin Park, PhD, Young-Wook Kim, PhD
Samsung Medical Center, Seoul, Republic of Korea

3:00 PM – 3:30 PM  COFFEE BREAK
Exhibit Halls A-C
**FLEXIBLE ROBOTICS WITH ELECTROMAGNETIC TRACKING AND THE IMPACTS ON SAFETY AND EFFICIENCY**

Sponsored by Hansen Medical

*Vascular Live presentations are not eligible for CME credit.

**SPEAKER:**
Alan B. Lumsden, MD, Houston Methodist Hospital, Houston, TX

**3:00 PM – 3:30 PM**

Exhibit Halls A–C

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**CONCURRENT SESSIONS (C5–C8)**

**C5: SVS/ESVS JOINT DEBATE SESSION**

At the end of this session, participants should be able to:
- Recognize the differences and their implications for stroke prevention by utilizing different techniques of preventing emboli during carotid stent procedures.
- Review whether surgery or angioplasty first is a preferred method for treating young patients with critical limb ischemia.
- Review the role TEVAR may have in the acute treatment of uncomplicated type B aortic dissections, including whether there are possible complications and possible long-term benefits.

In collaboration with European Society for Vascular Surgery

**MODERATORS**
E. Sebastian Debus, MD, PhD, University Heart Center, German Aortic Center, Hamburg, Germany
Glenn M. LaMuraglia, MD, Massachusetts General Hospital, Boston, MA
Alik Farber, MD, Boston Medical Center, Boston, MA
Bruce Perler, MD, MBA, Johns Hopkins University, Baltimore, MD

**3:30 PM – 5:00 PM**

Refer to specific session below for room location.

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**3:50 PM**
Discussion

**4:00 PM**
**DEBATE 2: A Paradigm of Angioplasty First is the Preferred Method of Treating Young Patients (Younger Than 60 Years Old) With Critical Limb Ischemia**

Peter Schneider, MD, Kaiser Permanente Medical Group, Honolulu, HI
Petteri Kauhanen, MD, PhD, Helsinki University Hospital, University of Helsinki, Helsinki, Finland

**4:20 PM**
Discussion

**4:30 PM**
**DEBATE 3: In Uncomplicated Aortic Type B Dissections, Acute Treatment with TEVAR Provides the Best Long-Term Outcome**

Mark Farber, MD, University of North Carolina, Chapel Hill, NC
Jürg Schmidli, MD, Dept Cardiovascular Surgery Bern University Hospital, Bern, Switzerland

**4:50 PM**
Discussion

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**C6: SVS/STS JOINT SESSION: AORTIC CONTROVERSIES**

In collaboration with Society of Thoracic Surgeons

**At the end of this session, participants should be able to:**
- Identify treatment options (open or endovascular) for patients with thoracoabdominal aortic aneurysms.
- Establish plans for management of patients with type A and B thoracic aortic dissection.

**MODERATORS**
A. Michael Borkon, MD, Saint Luke’s Hospital, Kansas City, MO
Jason T. Lee, MD, Stanford University School of Medicine, Palo Alto, CA

**3:30 PM – 5:00 PM**

**3:30 PM**
Introduction

**3:35 PM**
**Acute Type B Dissections—“To Treat Now or Later”: Conservative Management**

Michael Fischbein, MD, PhD, Stanford University School of Medicine, Palo Alto, CA

**3:45 PM**
**Acute Type B Dissections—“To Treat Now or Later”: Aggressive Stent Grafting**

Joseph V. Lombardi, MD, Cooper University Hospital, Camden, NJ

**3:55 PM**
Discussion
4:05 PM  Thoracoabdominal and Thoracic Aneurysm—Why Open Treatment?
Joseph Coselli, MD, Baylor College of Medicine, Texas Heart Institute, CHI Baylor St. Luke’s Medical Center, Houston, TX

4:15 PM  Thoracoabdominal and Thoracic Aneurysm—Why Endovascular Repair?
Gustavo S. Oderich, MD, Mayo Clinic, Rochester, MN

4:25 PM  Discussion

4:35 PM  Ascending and Arch Aortic Pathology—Future Endovascular Interventions
John Kern, MD, University of Virginia, Charlottesville, VA

4:45 PM  Ascending and Arch Aortic Pathology—Current Endovascular Treatments
Carlos E. Donayre, MD, University of California-Irvine, Rancho Palos Verdes, CA

4:55 PM  Discussion

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C7: SVS/SVM JOINT SESSION: MEDICAL MANAGEMENT OF VASCULAR DISEASE

3:30 PM - 5:00 PM

Potomac Ballroom D

CME

C7: SVS/SVM JOINT SESSION: MEDICAL MANAGEMENT OF VASCULAR DISEASE
In collaboration with Society for Vascular Medicine

At the end of this session, participants should be able to:

• Identify appropriate management strategies for medical risk factors in surgical patients.
• Identify the diagnosis and treatment of non-atherosclerotic vascular diseases.
• Identify the indications for novel oral anticoagulants and their use in the clinical practice setting.
• Identify new approaches to DVT and PE treatment.

MODERATORS
Kellie Brown, MD, Medical College of Wisconsin, Milwaukee, WI
James Froehlich, MD, PhD, University of Michigan Medical School, Ann Arbor, MI

3:30 PM  Controversies in Hypertension Management, Lipid Management and Smoking Cessation
Nicholas J. Leeper, MD, Stanford University Hospital and Clinics, Palo Alto, CA

3:42 PM  Non-Atherosclerotic Vascular Disease Diagnosis and Management
Gregory Landry, MD, Oregon Health & Science University, Portland, OR

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3:54 PM  Perioperative Risk Stratification and Functional Testing: What Vascular Surgeons Need to Know
Joshua Beckman, MD, Vanderbilt University Medical Center, Nashville, TN

4:06 PM  Multi-Disciplinary Management of Complex Venous Disease
Mark Meissner, MD, University of Washington, Seattle, WA

James Froehlich, MD, PhD, University of Michigan Medical School, Ann Arbor, MI

4:30 PM  VTE Treatment in 2016—New Guidelines and Approaches for DVT/PE
Peter F. Lawrence, MD, University of California Los Angeles School of Medicine, Los Angeles, CA

4:42 PM  Panel Discussion

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C8: POSTER COMPETITION

3:30 PM - 5:00 PM

Exhibit Halls A-C

CME

C8: POSTER COMPETITION
At the end of this session, participants should be able to:

• Identify new technology for diagnosis and treatment of vascular disease.
• Discuss the methodology, results and conclusions of the research presented in vascular health.

To view abstracts for this session, please download the meeting app at www.vsweb.org/mobileapp or consult the Journal of Vascular Surgery supplement.

MODERATORS
Venita Chandra, MD, Stanford University School of Medicine, Palo Alto, CA
Melina Kibbe, MD, Northwestern University Feinberg School of Medicine, Chicago, IL
FRIDAY, JUNE 10

RESIDENCY FAIR

5:00 PM - 6:30 PM
GENERAL SURGERY RESIDENT/MEDICAL STUDENT PROGRAM:
RESIDENCY FAIR
See Fellow/Resident/Student section for details.
Exhibit Hall D

SATellite SYMposia*

6:30 PM - 8:30 PM
INTERNAL ILIAC ARTERY
PRESERVATION EXPERT PANEL*
Sponsored by Gore
MODERATOR
Darren B. Schneider, MD, New York Presbyterian Hospital, New York, NY
PRESENTERS
Jason T. Lee, MD, Stanford University School of Medicine, Stanford, CA
Gustavo Oderich, MD, Mayo Clinic, Rochester, MN
Darren B. Schneider, MD, Weill Cornell Medical College, New York, NY
Brian G. Peterson, MD, St. Anthony’s Medical Center, St. Louis, MO
Sharif Ellozy, MD, Cornell University, New York, NY

*SAtellite symposia sessions are not eligible for CME credit.
Maryland Ballroom C

SPECIAL EVENT

8:30 PM - 9:30 PM
CAPITOL STEPS PERFORMANCE
Event is open to all attendees, exhibitors and guests at no charge.
Potomac A/B Ballroom

“It’s the perfect time and place to hear a political comedy show performed by the “Capitol Steps,” a group that’s been poking fun at politics, politicians and the world at large since the year Reagan was inaugurated. Vascular Annual Meeting attendees will be treated to the group’s particular brand of satirical humor, so please join us for this special event.”
**B7: CONTROVERSIES IN THORACIC OUTLET SYNDROME**

Text your questions for the discussion portion of the session. First, text Breakfast147 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

At the end of this session, participants should be able to:

- Identify the role of diagnostic testing (including EMG and nerve conduction testing) and imaging (including CT, MRI and ultrasound) in the diagnosis of TOS.
- Identify the role of the pec minor, and use of pec minor tenotomy in some types of TOS.
- Review contemporary issues in the treatment of neurogenic and venous TOS.

**MODERATORS**

Michael Go, MD, Ohio State University, Columbus, OH
Karl A. Illig, MD, University of South Florida, Tampa, FL

**SCHEDULE**

6:30 AM  
**What Is the Role of Ancillary Testing in TOS Diagnosis?**
Rebecca Kelso, MD, Cleveland Clinic, Cleveland, OH

6:40 AM  
**Scalene Muscle Injections: Botox®, Steroids, Anesthetics**
David Rigberg, MD, University of California Los Angeles School of Medicine, Los Angeles, CA

6:50 AM  
**The Role of the Pec Minor in TOS**
Michael J. Singh, MD, University of Pittsburgh Medical Center, Pittsburgh, PA
7:00 AM  Modern Results of Treatment for Neurogenic TOS  
Richard Sanders, MD, University of Colorado Health Science Center, Aurora, CO

7:10 AM  Is First Rib Resection After Thrombolysis Always Necessary for Venous TOS?  
Jason T. Lee, MD, Stanford University School of Medicine, Palo Alto, CA

7:20 AM  Treatment of Chronic Axillary Vein Occlusion  
Julie A. Freischlag, MD, University of California Davis, Sacramento, CA

7:30 AM  Panel Discussion

7:30 AM  Options for Managing Central Venous Stenosis  
George H. Meier, MD, University of Cincinnati School of Medicine, Cincinnati, OH

7:45 AM  Panel Discussion

B8: HEMODIALYSIS ACCESS: ISSUES AND CHALLENGES

Text your questions for the discussion portion of the session. First, text Breakfast258 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

At the end of this session, participants should be able to:
• Identify factors that can predict early fistula failure.
• Identify alternative grafts for AV access creation.
• Describe the treatment of Steal Syndrome.
• Describe how first rib resection can be performed to treat central vein stenosis.

MODERATORS  
Saum Rahimi, MD, Rutgers University, New Brunswick, NJ
Yaron Sternbach, MD, The Vascular Group, PLLC, Albany, NY

6:30 AM  What Factors Other Than Vein Diameter Can Predict Early Fistula Failure?  
Mohammad H. Eslami, MD, Boston University School of Medicine, Boston, MA

6:45 AM  Strategies to Treat Steal Syndrome  
David Cull, MD, Greenville Health System, Greenville, SC

7:00 AM  Update on Novel and Bioengineered Grafts  
Ellen Dillavou, MD, Duke University Medical Center, Durham, NC

7:15 AM  Rescuing Failing AVFs: How to Do It and When to Call It Quits  
Eric Peden, MD, Houston Methodist Hospital, Houston, TX
PLENARY SESSION 7 (S7)/
LATE-BREAKING

8:00 AM - 10:00 AM
Potomac Ballroom A/B

Text your questions for the discussion portion of the session. First, text VAM16 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

To view abstracts for this session, please download the meeting app at www.vsweb.org/mobileapp or consult the Journal of Vascular Surgery supplement.

At the end of this session, participants should be able to:
• Identify new technology for the diagnosis and treatment of vascular disease.
• Discuss the methodology, results and conclusions of the research presented in vascular health.

MODERATORS
Christopher J. Abularrage, MD, Johns Hopkins University, Baltimore, MD
Thomas S. Maldonado, MD, New York University Langone Medical Center, New York, NY
Robert E. Engles Jr, MD, Montgomery Vascular Surgery, Montgomery, AL
Benjamin W. Starnes, MD, University of Washington, Seattle, WA

8:00 AM  SS27: Pivotal Results for the Gore Excluder Iliac Branch Endoprosthesis for Treatment of Aortoiliac Aneurysms in the IBE 12-04 Prospective, Multicenter Study
Darren B. Schneider, MD1, Jon Matsumura, MD2, Gustavo S. Oderich, MD3, Jason T. Lee, MD4, Brian G. Peterson, MD5
1 Weill Cornell Medical College, New York, NY, 2 University of Wisconsin School of Medicine & Public Health, Madison, WI, 3 Mayo Clinic, Rochester, MN, 4 Stanford University School of Medicine, Palo Alto, CA, 5 St. Anthony’s Medical Center, Saint Louis, MO

8:12 AM  SS28: Results from the PRESERVE II Zenith Iliac Branch Clinical Study
Woongchae A. Lee, MD1, Jason T. Lee, MD2, Graham Long, MD2, Keith J. Sanborn, MS4
1 Boca Raton Regional Hospital, Boca Raton, FL, 2 Stanford University School of Medicine, Palo Alto, CA, 3 Beaumont Hospital, Royal Oak, MI, 4 Cook Medical, West Lafayette, IN

8:24 AM  SS29: One-Year Results for a Thoracic Branched Device for Repair of Zone 2 Aneurysms
Michael Dake, MD1, Jon Matsumura, MD2, Himanshu J. Patel, MD3, Joseph Bavaria, MD4, Gustavo S. Oderich, MD5, Mark F. Fillinger, MD6, Michael J. Singh, MD7, Michael Fischbein, MD, PhD8
1 Stanford University School of Medicine, Palo Alto, CA, 2 University of Wisconsin School of Medicine & Public Health, Madison, WI, 3 University of Michigan Medical School, Ann Arbor, MI, 4 University of Pennsylvania School of Medicine, Philadelphia, PA, 5 Mayo Clinic, Rochester, MN, 6 Dartmouth-Hitchcock Medical Center, Lebanon, NH

8:36 AM  SS30: New Stent Grafts for the Thoracic and Thoracoabdominal Design
Patrick W. Kelly, MD, Sanford Health, Sioux Falls, SD

8:48 AM  SS31: Long-Term Outcomes of the Pythagoras U.S. Clinical Trial of the Aorfix Endograft for EVAR in Patients with Highly Angulated Aortic Necks
Mahmoud B. Malas, MD1, Caitlin W. Hicks, MD, MS1, William D. Jordan, MD2, Kim J. Hodgson, MD3, Joseph L. Mills, MD4, Michel S. Makaroun, MD5, Mark F. Fillinger, MD6
1 Johns Hopkins Hospital, Baltimore, MD, 2 Emory University, Atlanta, GA, 3 Southern Illinois University, School of Medicine, Springfield, IL, 4 Baylor College of Medicine, Houston, TX, 5 University of Pittsburgh Medical Center, Pittsburgh, PA, 6 Dartmouth-Hitchcock Medical Center, Lebanon, NH

9:00 AM  SS32: Outcomes of Endovascular Management of High-Flow Pelvic Arteriovenous Malformations
Khalil Qato, MD, Allan M. Conway, MD, Elizabeth Northfield, MD, Rui Brandao, MD, Jennie Drury, MD, Alfio Carroccio, MD, Robert Rosen, MD
Lenox Hill Heart & Vascular Institute of New York, New York, NY

9:12 AM  VS08: Endovascular Aorto-bi-iliac ‘Bypass’ for Juxtarenal Aorto-bi-iliac Occlusive Disease
Michael Silva, MD, Jennifer Worsham, MD, Charlie Cheng, MD, Zulfiqar Cheema, MD, PhD, Grant Fankhauser, MD
University of Texas Medical Branch, Galveston, TX

9:22 AM  VS09: Fenestrated EVAR with 3D CTA Image Fusion
Marc L. Schermerhorn, MD, Beth Israel Deaconess Medical Center, Boston, MA

9:32 AM  LS1: Safety and Effectiveness Results of the Nellix System IDE Pivotal Trial for Endovascular Aneurysm Sealing
Jeffrey P. Carpenter, MD1, Robert Cuff, MD2, Clifford Buckley, MD2, José Trani, MD3, Michel Reijnin, MD4, Sajjad Hussain, MD5, Christopher T. Healey, MD6, Dittmar Boeckler, MD7
1 Cooper Medical School of Rowan University, Camden, NJ, 2 Spectrum Health, Grand Rapids, MI, 3 Baylor Scott & White Healthcare, Temple, TX, 4 Cooper University Hospital, Camden, NJ, 5 Rijnstate University, Arnhem, Netherlands, 6 St. Vincent’s Hospital, Indianapolis, IN, 7 Tufts University School of Medicine, Portland, ME, 8 University of Heidelberg, Heidelberg, Germany
9:41 AM  LS2: Bolton Treovance Abdominal Stent-Graft System Phase II Clinical Trial
Matthew Eagleton, MD¹, John Patrick Henretta, MD², Mel J. Sharafuddin, MD¹, Maciej Dryjski, MD, PhD², Woosup M. Park, MD¹, Angelo Santos, MD³, W. Anthony Lee, MD⁴, Andres Schanzer, MD⁵
¹Cleveland Clinic, Cleveland, OH, ²Mission Hospital, Asheville, NC, ³University of Iowa, Iowa City, IA, ⁴State University of New York, Buffalo, NY, ⁵Sanford Health, University of South Dakota, Sioux Falls, SD, ⁶Boca Raton Regional Hospital, Boca Raton, FL, ⁷University of Massachusetts Medical School, Worcester, MA

9:50 AM  LS3: Accelerated Learning Curve of a Modified Preloaded System for Fenestrated Endovascular Aortic Repair
Blandine Maurel, MD, PhD¹, Timothy Resch, MD, PhD², Rafaëlle Spear, MD, PhD³, Blayne Roeder, PhD⁴, Umberto M. Bracale, MD², Tara M. Mastracci, MD, FRCS, FRCSC⁵, Stephan Haulon, MD, PhD³
¹Royal Free Hospital, London, United Kingdom, ²Skåne University Hospital, Malmo, Sweden, ³University of Lille, Lille, France, ⁴Cook Medical, Bloomington, IN

9:00 AM – 1:00 PM  EXHIBIT HOURS
Exhibit Halls A-C

10:00 AM – 10:30 AM  COFFEE BREAK
Exhibit Halls A-C

BEYOND THE JOURNAL OF VASCULAR SURGERY: “TOP TEN” PAPERS RELEVANT TO VASCULAR SURGERY (F2)


10:53 AM  Debate: Endovascular First is the Best Strategy vs There is No Difference


11:21 AM  Long-term Results of a Randomized Controlled Trial Analyzing the Role of Systematic Pre-operative Coronary Angiography before Elective Carotid Endarterectomy in Patients with Asymptomatic Coronary Artery Disease. Eur J Vasc Endovasc Surg 2015;49(4):366-374.


11:33 AM  Primary Self-EXPANDing Nitinol Stenting vs Balloon Angioplasty With Optional Bailout Stenting for the Treatment of Infrapopliteal Artery Disease in Patients With Severe Intermittent Claudication or Critical Limb Ischemia (EXPAND Study). J Endovasc Ther 2015;22(5);690-697.


11:51 AM  Discussion

Objectives: At the end of this session, participants should be able to:
• Describe the types of clinical trials relevant to vascular disease.
• Identify the bias that can affect the interpretation of trial data.
• Interpret publications that may influence clinical practice.

MODERATORS
Ellen D. Dillavou, MD, Duke University Medical Center, Chapel Hill, NC
Jon S. Matsumura, MD, University of Wisconsin School of Medicine & Public Health, Madison, WI
CONCURRENT SESSIONS (C9–C11)

10:30 AM – 12:00 PM

C9: DEVICE DEVELOPMENT: FROM IDEA TO IDE

At the end of this session, participants should be able to:
- Identify the basic principles of intellectual property protection, including patents and nondisclosure agreements.
- Identify the pros and cons of early idea/device development via university-based funding versus private/corporate funding support.
- Identify U.S. pathways leading to product marketing approval for medical devices.

MODERATORS
Francis J. Caputo, MD, Cooper University Hospital, Camden, NJ
Patrick Geraghty, MD, Washington University School of Medicine, St. Louis, MO
Darren B. Schneider, MD, Weill Cornell Medical College, New York, NY

10:30 AM - 12:00 PM

10:30 AM

CME

10:30 AM

10:40 AM

10:50 AM

11:05 AM

11:20 AM

11:35 AM

11:50 AM

11:30 AM

10:30 AM

CME

10:30 AM – 12:00 PM

CME

Potomac Ballroom D

Potomac Ballroom C

Making the Most of Your Day: The Importance of Time Management
Julie A. Freischlag, MD, University of California Davis, Sacramento, CA

Is It Time to Go Back to School? The Utility of Advanced Degrees—MBA
Louis L. Nguyen, MD, MBA, Brigham and Women’s Hospital, Boston, MA

Is It Time to Go Back to School? The Utility of Advanced Degrees—JD & MPH
Ruth L. Bush, MD, JD, MPH, Texas A&M Health Science Center College of Medicine, Bryan, TX

Building Your Practice: Developing a Loyal Referral System
Russell H. Samson, MD, Sarasota Vascular Specialists, Sarasota, FL

Building Your Practice: Developing a Robust Aortic Aneurysm Practice
Gilbert R. Upchurch, MD, University of Virginia Health System, Charlottesville, VA

Managing and Resolving Turf Battles
Frank J. Veith, MD, New York University Langone Medical Center, New York, NY

Exit Strategies
Tara Butler, MD, Ascension Health Ventures, Clayton, MO
Jeffrey P. Carpenter, MD, Cooper Medical School of Rowan University, Camden, NJ
Patrick W. Kelly, MD, Sanford Clinic Vascular Associates, Sioux Falls, SD

Panel Discussion
11:18 AM  Top Ten Things to Understand About the Business Side of Medicine
Bhagwan Satiani, MD, MBA, Ohio State University, Columbus, OH

11:28 AM  Panel Discussion

10:30 AM  C11: POLITICS IN VASCULAR SURGERY: WHAT PRACTICING SURGEONS NEED TO KNOW ABOUT POWER AND INFLUENCE IN WASHINGTON, DC

At the end of this session, participants should be able to:
• Recognize how vascular codes are created and re-evaluated for physician reimbursement.
• Identify how vascular surgeons will transition from fee-for-service to either a Merit-based Incentive Payment System or Alternative Payment Models (with the repeal of the Sustainable Growth Rate formula).
• Recognize why Congressional advocacy is vital to the future of vascular surgery, and how to get involved.

MODERATOR
Michael Rohrer, MD, University of Tennessee College of Medicine, Memphis, TN

10:54 AM  Beyond SGR: MACRA (Medicare Access and CHIP Reauthorization Act of 2015)
Jill Rathbun, Galileo Consulting Group, Inc., Arlington, VA

11:06 AM  Lobbying in Washington: Your Donation and its Impact
Michael C. Dalsing, MD, Indiana University, Indianapolis, IN
Randall R. DeMartino, MD, MS, Mayo Clinic, Rochester, MN

11:30 AM  Panel Discussion

1:30 PM  VH01: Eversion Femoral Artery Endarterectomy and Endovascular Revascularization for Critical Limb Ischemia
Gianluca Faggioli, MD, PhD, Liborio Ferrante, MD, Giuseppe Indelicato, MD, Rodolfo Pini, MD, Matteo Longhi, MD, Andrea Vacirca, MD, Mauro Gargiulo, MD, PhD, Andrea Stella, MD
University of Bologna, Bologna, Italy

1:42 PM  VH02: Celiac Artery Decompression with Supra-Celiac Aorta to Celiac Bypass
Charles A. West, MD1, Joseph L. Mills, MD2
1Baylor St. Luke’s Medical Center, Houston, TX, 2Baylor College of Medicine, Houston, TX

1:54 PM  VH03: Fenestrated-Branched Endovascular Thoracoabdominal Aortic Aneurysm Repair for Chronic Dissections
Aaron C. Baker, MD, MS, Gustavo S. Oderich, MD, Jan Hofer, RN, Mauricio Ribeiro, MD, PhD
Mayo Clinic, Rochester, MN

2:06 PM  VH04: Carotid-Subclavian Transposition and Carotid-Carotid Bypass to Facilitate TEVAR
Emily Spangler, MD, Mark F. Fillinger, MD
Dartmouth-Hitchcock Medical Center, Lebanon, NH

2:18 PM  VH05: Novel Technique for Ablation of Persistent Retrograde Perfusion of False Lumen in Chronic Aortic Dissection
April L. Rodriguez, MD, Benjamin W. Starnes, MD, Niten Singh, MD, MS
University of Washington, Seattle, WA
2:30 PM  VH06: The Knickerbocker Technique for Endovascular Exclusion of False Lumen in Chronic Type B Aortic Dissection
Fabio Verzini, MD, PhD1, Diletta Loschi, MD1, Gioele Simonte, MD1, Luca Farchioni, MD1, Gianbattista Parlani, MD1, †Paola De Rango, MD, PhD2
1University of Perugia, Perugia, Italy, 2Azienda Ospedaliera di Perugia, Perugia, Italy

2:42 PM  VH07: Endovascular Retrieval of a Trapease IVC Filter
Zack Nash, MD, Jean Bismuth, MD, Alan Lumsden, MD, Carlos F. Bechara, MD, MS
Houston Methodist Hospital, Houston, TX

2:54 PM  VH08: Supraceliac Aorta to Common Hepatic Artery and Superior Mesenteric Artery Bypass for Chronic Mesenteric Ischemia
Danielle M. Pineda, MD1, Samuel Tyagi, MD2, Douglas A. Troutman, MD1, Matthew Dougherty, MD1, Keith D. Calligaro, MD1
1Pennsylvania Hospital, Philadelphia, PA, 2University of Pennsylvania Health System, Philadelphia, PA

3:06 PM  VH09: Femoral Vein Transposition Arteriovenous Fistula for Dialysis Access
Jeffrey Siracuse, MD, Alik Farber, MD
Boston University School of Medicine, Boston, MA

3:18 PM  VH10: Transcaval Small and Large Sheath Aortic Access
Yazan Duwayri, MD1, Bradley G. Leshnower, MD2, Ravi K. Veeraswamy, MD2, Ateet B. Patel, MD1, Vinod H. Thourani, MD2, Vasilis Babaliaros, MD2
1Emory University, Atlanta, GA, 2Emory University School of Medicine, Atlanta, GA

POSTER RUNOFF: CHAMPIONSHIP ROUND* (F3)

1:30 PM  Welcome/Content Outline

1:40 PM  Ultrasound Physics
Frank Miele, MSEE, Pegasus Lectures, Inc., Forney, TX

2:20 PM  Interpretation of Arterial and Venous Waveforms
Dennis Bandyk, MD, University of California San Diego, La Jolla, CA

2:45 PM  Physiologic and Arterial Duplex Case Studies
Ann Marie Kupinski, PhD, North Country Vascular Diagnostics, Inc., Altamont, NY

3:00 PM  Interpretation of Carotid Duplex Ultrasound
Steven Leers, MD, University of Pittsburgh School of Medicine, Pittsburgh, PA

3:20 PM  Carotid Case Studies
Maya Salameh, MD, RPVI, Johns Hopkins University, Baltimore, MD

3:45 PM  Break

4:00 PM  Interpretation of Venous Testing
Maya Salameh, MD, RPVI, Johns Hopkins University, Baltimore, MD

4:20 PM  Venous Case Studies
Ann Marie Kupinski, PhD, North Country Vascular Diagnostics, Inc., Altamont, NY

4:40 PM  Visceral Testing: Interpretation and Case Studies
Michael P. Lilly, MD, University of Maryland School of Medicine, Baltimore, MD

*This session not eligible for CME credit.

To view abstracts for this session, please download the meeting app at www.vsweb.org/mobileapp or consult the Journal of Vascular Surgery supplement.

At the end of this session, participants should be able to:
• Identify new technology for diagnosis and treatment of vascular disease.
• Discuss the methodology, results and conclusions of the research presented in vascular health.

MODERATORS
Venita Chandra, MD, Stanford University School of Medicine, Palo Alto, CA
Melina Kibbe, MD, Northwestern University Feinberg School of Medicine, Chicago, IL
Learning Objective:
The overarching goal of the program is to allow residents and students to explore their interest in vascular surgery. The program provides an excellent opportunity for learners of all levels (from first-year medical students to senior-level surgical residents to vascular surgery trainees) to meet other learners with similar interests and, importantly, provides students and residents with the opportunity to meet members and leaders of the vascular surgical community.

WEDNESDAY, JUNE 8

**VASCULAR AND ENDOVASCULAR SURGERY SOCIETY (VESS) PAPER SESSIONS**

8:00 AM – 4:00 PM

Maryland Ballroom A

All residents and students are invited to attend the Vascular and Endovascular Surgery Society’s (VESS) paper session, which focuses on abstracts from young surgeons and trainees at all levels.

**GENERAL SURGERY RESIDENT/ MEDICAL STUDENT SCHOLARSHIP PROGRAM—OPEN AND ENDOVASCULAR SIMULATION TRAINING** *

2:00 PM – 6:00 PM

Exhibit Hall D

(Please note this event is open only to the scholarship recipients of the Vascular Annual Meeting Travel and Diversity Medical Student Scholarship Programs.)

*Program is not accredited for CME credit.

The objective of the Resident and Student Simulation Training Program is to provide novice learners with an opportunity to learn how to perform basic vascular procedures. The program offers multiple stations with simulations of various vascular procedures, including performance of a vascular anastomosis on an arterial model (medical students), performance of an open abdominal aortic aneurysm repair (surgical residents) and performance of an EVAR or TEVAR in a safe and stress-free environment. Attendees also will be able to participate in stations involving basic knot tying, instrument handling, needle accuracy/placement and suture placement and closure skills. As an added bonus, participants will be able to compete in a mini Vascular Surgery Skills Competition (results to be announced at Friday’s Residency Fair).
FELLOW/RESIDENT/STUDENT EDUCATIONAL PROGRAM

GENERAL SURGERY RESIDENT/MEDICAL STUDENT PROGRAM—WELCOME RECEPTION*

Sponsored by the Young Surgeons Committee and VESS

*Program is not accredited for CME credit.

All residents and students are invited to attend the Welcome Reception to network with program directors, mentors, vascular surgery trainees, young surgeons, VESS leadership and others.

Potomac 1-6 Foyer

6:45 PM - 7:45 PM

THURSDAY, JUNE 9

GENERAL SURGERY RESIDENT PROGRAM BREAKFAST*

*Program is not accredited for CME credit.

Text your questions for the discussion portion of the session. First, text Resident1 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

Potomac 1-6 Foyer

6:30 AM - 8:00 AM

MODERATORS
Joseph Hart, MD, Eastern Maine Medical Center, Portland, ME
Samantha Minc, MD, Rush University Medical Center, Chicago IL

6:30 AM Introduction

6:32 AM SVS Leadership Welcome
R. Clement Darling III, MD, Albany Medical College, Albany Medical Center Hospital, The Vascular Group, Albany, NY

Rachael Nicholson, MD, University of Iowa, Iowa City, IA

6:43 AM Navigating Other Learners—Getting the Most Out of Fellowship
Vincent L. Rowe, MD, University of Southern California, Los Angeles, CA

6:49 AM How to Interview and Prepare Fellowship Applications: Program Director Perspective
Venita Chandra, MD, Stanford University School of Medicine, Stanford, CA

6:55 AM How to Interview and Prepare Fellowship Applications: Resident Perspective
Jonathan Ratcliff, MD, University of South Florida, Tampa, FL

7:01 AM How to Succeed as a Fellow
Aaron C. Baker, MD, MS, Mayo Clinic, Rochester, MN

7:07 AM Panel Discussion: Program Directors
Venita Chandra, MD, Stanford University School of Medicine, Stanford, CA
Mark A. Mattos, MD, Michigan Vascular Center, Flint, MI
Erica L. Mitchell, MD, Oregon Health & Science University, Portland, OR
Raghu L. Motaganahalli, MD, FRCS, Indiana University, Indianapolis, IN
Rachael Nicholson, MD, University of Iowa, Iowa City, IA
Vincent L. Rowe, MD, University of Southern California, Los Angeles, CA

7:25 AM Panel Discussion: Vascular Surgery Trainees
Aaron C. Baker, MD, MS, Mayo Clinic, Rochester, MN
Sira Duson, MD, Georgetown University Hospital, Washington, DC
Kathleen M. Lamb, MD, University of Pennsylvania, Philadelphia, PA
Jonathan Ratcliff, MD, University of South Florida, Tampa, FL
Samir Shah, MD, Brigham and Women’s Hospital, Boston, MA
Sara Wasilenko, DO, Henry Ford Hospital, Detroit, MI

MEDICAL STUDENT (MS1/MS2) PROGRAM BREAKFAST*

*Program is not accredited for CME credit.

Text your questions for the discussion portion of the session. First, text Student1 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

Potomac 1-6 Foyer

6:30 AM - 8:00 AM

MODERATORS
Jason Alexander, MD, Abbott Northwestern Hospital, Minneapolis, MN
George Hines, MD, Winthrop-University Hospital, Mineola, NY

6:30 AM Introduction

6:32 AM SVS Leadership Welcome
Bruce Perler, MD, MBA, Johns Hopkins University, Baltimore, MD
FELLOW/RESIDENT/STUDENT EDUCATIONAL PROGRAM

6:37 AM Vascular Surgery 101
David Rigberg, MD, University of California Los Angeles School of Medicine, Los Angeles, CA

6:47 AM How Vascular Surgery Programs Differ from Integrated IR and Cardiology Programs
John E. Rectenwald, MD, MS, University of Texas Southwestern Medical Center, Dallas, TX

6:53 AM Setting Yourself Up in MS1/2 for Your Vascular Surgery Future: Program Director Perspective
Niten Singh, MD, MS, University of Washington, Seattle, WA

6:59 AM Setting Yourself Up in MS1/2 for Your Vascular Surgery Future: Recent Grad Perspective
Brigitte K. Smith, MD, University of Utah, Salt Lake City, UT

7:05 AM Panel Discussion: Program Directors
Carlos Bechara, MD, Methodist Hospital, Houston, TX
Rabih A. Chaer, MD, University of Pittsburgh Medical Center, Pittsburgh, PA
Omid Jazaeri, MD, University of Colorado, Aurora, CO
David Rigberg, MD, University of California Los Angeles School of Medicine, Los Angeles, CA
Niten Singh, MD, MS, University of Washington, Seattle, WA
Jean Starr, MD, Ohio State University, Columbus, OH

7:20 AM Panel Discussion: Vascular Surgery Trainees
Emelia Bittenbinder, MD, Penn State Hershey Medical Center, Hershey, PA
James D. Brooks, MD, MedStar Washington Hospital Center & Georgetown University Hospital, Washington, DC
Brandon Cain, MD, Eastern Virginia Medical School, Norfolk, VA
Elizabeth A. Genovese, MD, MS, University of Pittsburgh Medical Center, Pittsburgh, PA
Nathan K. Ito, MD, Stanford University School of Medicine, Stanford, CA
Caitlin Sorensen, BS, Georgetown University, Washington, DC

6:30 AM - 8:00 AM MEDICAL STUDENT (MS3/MS4) PROGRAM BREAKFAST*
*Program is not accredited for CME credit.

Text your questions for the discussion portion of the session. First, text Student2 to 22333 to connect with our messaging service. Then, text your question. If you prefer not to remain anonymous, be sure to add your name at the end of your question. Not all questions will be selected by the moderators for response. Text ‘LEAVE’ at the conclusion of the session to participate in other sessions.

National Harbor 3

MODERATORS
Audra A. Duncan, MD, University of Western Ontario, London, ON
Robyn Macsata, MD, Washington DC Veterans Affairs Medical Center, Washington, DC

6:32 AM SVS Leadership Welcome
Ronald M. Fairman, MD, University of Pennsylvania Health System, Philadelphia, PA

Dawn M. Coleman, MD, University of Michigan, Ann Arbor, MI

6:43 AM Vascular Surgery 102
Matthew J. Eagleton, MD, Cleveland Clinic, Cleveland, OH

6:49 AM How Vascular Surgery Programs Differ from Integrated IR and Cardiology Programs
Malachi Sheahan III, MD, Louisiana State University Health Sciences Center, New Orleans, LA

6:55 AM Tips on Sub-Internships, Interviews and the Match Process: Program Director Perspective
Jason T. Lee, MD, Stanford University School of Medicine, Stanford, CA

7:01 AM Tips on Sub-Internships, Interviews and the Match Process: Trainee Perspective
Kyle Reynolds, MD, Georgetown University Hospital, Washington, DC

7:07 AM Panel Discussion: Program Directors
Dawn M. Coleman, MD, University of Michigan, Ann Arbor, MI
Matthew J. Eagleton, MD, Cleveland Clinic, Cleveland, OH
Jason T. Lee, MD, Stanford University School of Medicine, Stanford, CA
Ashraf Mansour, MD, Spectrum Health, Grand Rapids, MI
Malachi Sheahan III, MD, Louisiana State University Health Sciences Center, New Orleans, LA
FELLOW/RESIDENT/STUDENT EDUCATIONAL PROGRAM

7:22 AM  Panel Discussion: Vascular Surgery Trainees
Mila Ju, MD, Northwestern University, Chicago, IL
Vivek Pamulapati, BS, Case Western Reserve University
School of Medicine, Cleveland, OH
Amanda R. Phillips, BS, University of Michigan,
Ann Arbor, MI
Kyle Reynolds, MD, Georgetown University Hospital,
Washington, DC
Anthony Rios, MD, Baylor University Medical Center,
Dallas, TX
Jason Wagner, MD, University of Pittsburgh Medical
Center, Pittsburgh, PA

VISIT THE EXHIBITS/BOX LUNCH*
Exhibit Halls A–C
Students and residents are provided dedicated time to visit exhibitors and participate in Vascular Live activities.
*Program is not accredited for CME credit.

12:00 PM – 1:30 PM  DIVERSITY MEDICAL STUDENT SCHOLARSHIP LUNCHEON*
(Invitation only)
Recipients of the Diversity Medical Student Scholarships will network with the SVS Leadership Development Committee and other leading minority vascular surgeons. (Please note this event is open only to the scholarship recipients of the Diversity Medical Student Scholarship Program.)
*Program is not accredited for CME credit.

FRIDAY, JUNE 10

GENERAL SURGERY RESIDENT/MEDICAL STUDENT PROGRAM—MOCK INTERVIEWS PRACTICE SESSION*
(Invitation only, pre-registration required)
General surgery residents and medical students will have the opportunity to practice for their residency and fellowship interviews at this session. Please note pre-registration is required for this event.
*Program is not accredited for CME credit.

VASULAR SURGERY TRAINEE LUNCHEON
Sponsored by the Young Surgeons Committee and VEES*
*Program is not accredited for CME credit.

MODERATORS
Elizabeth A. Genovese, MD, MS, University of Pittsburgh Medical Center, Pittsburgh, PA
Natalia Gilebova, MD, University of Colorado, Denver, CO
Misty Humphries, MD, University of California Davis Health System, Davis, CA
Nathan K. Ito, MD, Stanford University School of Medicine, Stanford, CA

FINDING JOBS AND MENTORS

12:15 PM  Finding a Cadre of Mentors/How to Be a Good Mentee
Julie A. Freischlag, MD, University of California Davis, Sacramento, CA

12:23 PM  How to Find a Job
Benjamin W. Starnes, MD, University of Washington, Seattle, WA
FELLOW/RESIDENT/STUDENT EDUCATIONAL PROGRAM

“A DAY IN THE LIFE” FROM RECENT GRADUATES

12:31 PM  5+2 Graduate in Private Practice
Bryan Fisher, MD, The Surgical Clinic PLLC, Nashville, TN

12:41 PM  0+5 Graduate in Hospital Employment
Robert Meisner, MD, MLHC Vascular Specialists, Media, PA

12:51 PM  5+2 Graduate in Academic Practice
Katherine Gallagher, MD, University of Michigan, Ann Arbor, MI

1:01 PM   0+5 Graduate in Academic Practice
Angela Kokkosis, MD, Stony Brook University Medical Center, Stony Brook, NY

1:11 PM   Panel Discussion

VISIT THE EXHIBITS/BOX LUNCH*
Students and residents are provided dedicated time to visit exhibitors and participate in Vascular Live activities.

*Program is not accredited for CME credit.

GENERAL SURGERY RESIDENT/MEDICAL STUDENT PROGRAM—RESIDENCY FAIR*
The fair will feature more than 70 vascular surgery programs as well as provide an opportunity for residents and students to network with program directors, faculty and current trainees.

*Program is not accredited for CME credit.
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