



VEITH SYMPOSIUM[®]

Connecting The **Vascular** Community



50th

Tuesday – Saturday, November 14-18, 2023

VEITH
VASCULAR ENDOVASCULAR ISSUES TECHNIQUES HORIZONS

Symposium Chairman

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Enrico Ascher, MD

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Kenneth Ouriel, MD, MBA

Sean P. Lyden, MD

Sponsored by

 **Cleveland Clinic**


Hilton

www.VEITHsymposium.org

PROGRAM OUTLINE AT A GLANCE

TUESDAY PROGRAMS

Program A (Sessions 1-8)

6:45 A.M. – 6:02 P.M.

Progress In The Treatment Of Diseases Of The Coronary Arteries, Heart Valves, And The Thoracic And Abdominal Aorta

Location: Grand Ballroom East, 3rd Floor

Program B (Sessions 9-16)

6:47 A.M. – 5:59 P.M.

Progress In Vascular Robotics, Guidance Systems, Laparoscopy, Simulation And COVID; New Developments In Carotid Disease And Acute Stroke Treatment; Abdominal Aortic Branch Treatment; New Technology Concepts And Artificial Intelligence (AI); Vascular Surgery Identity, Training, Manpower And Mentorship; Updates On Open And Hybrid Vascular Surgery And Treatment Of Aortic Coarctation

Location: Grand Ballroom West, 3rd Floor

Program C-1 (Sessions 17-18)

7:00 A.M. – 12:00 P.M.

Management Of Pulmonary Embolism: The Ultimate Team Approach

Location: Trianon Ballroom, 3rd Floor

Program C-2 (Sessions 19-22)

1:00 P.M. – 6:06 P.M.

Interesting Topics Related To Lower Extremity Occlusive Disease And Its Treatments

Location: Trianon Ballroom, 3rd Floor

WEDNESDAY PROGRAMS

Program D (Sessions 23-30)

6:40 A.M. – 6:20 P.M.

Progress In Lower Extremity Occlusive Disease And Its Treatment

Location: Grand Ballroom East, 3rd Floor

Program E (Sessions 31-38)

6:40 A.M. – 6:30 P.M.

New Developments In Medical Treatments And New Drugs; Progress In Anti-Atherogenic And Anti-Hypertensive Treatments; Management Of Endoleaks; Recorded Live Cases From Leading Centers In The US And EU; Issues Of Interest; Outpatient And Office Based Vascular Treatment; Topics Related To Government, Reimbursement, SVS, VQI, FDA, Guidelines, Trials And Evidence Based Medicine

Location: Grand Ballroom West, 3rd Floor

Program F (Sessions 39-46)

6:50 A.M. – 6:30 P.M.

More New Developments In Thoracic Aortic Disease, TEVAR, Aortic Dissections, TAAAs, JUXTA- And Pararenal AAAs, Parallel Grafts, Fenestrated And Branched EVAR (F/B/ EVAR), Multilayer Bare Stents, Infrarenal AAAs And Standard EVAR, And Hot New Aortic And Carotid Topics

Location: Trianon Ballroom, 3rd Floor

THURSDAY PROGRAMS

Program G (Sessions 47-54)

6:50 A.M. – 5:58 P.M.

Exciting New Or Rediscovered Techniques, Concepts Or Devices; Progress In F/B/EVAR And Parallel Grafts For Complex AAAs; Tribute To Our Military; Progress In The Treatment Of Ruptured AAAs; More About New Devices, Techniques Or Concepts; Progress In Radiation Safety

Location: Grand Ballroom East, 3rd Floor

Program H (Sessions 55-63)

7:00 A.M. – 5:52 P.M.

New Or Improved Devices For: Standard EVAR, EVAS And More Complex AAAs; Repairs Of TAAAs, The Ascending Aorta, The Aortic Arch, And The Descending Aorta (TEVAR); New Devices For Treating Lower Extremity Lesions By Endo Or Open Techniques; Update On Endoanchors And Fixation Devices And New Or Improved Devices For Endovascularly Removing Clot And Occluding Blood Vessels

Location: Grand Ballroom West, 3rd Floor

Program I (Sessions 64-73)

7:00 A.M. – 6:40 P.M.

Superficial Venous Disease

Location: Trianon Ballroom, 3rd Floor

Program J (Sessions 74-78)

8:00 A.M. – 12:30 P.M.

Multidisciplinary Acute Stroke Management

Location: Murray Hill Suites, 2nd Floor

FRIDAY PROGRAMS

Program K (Sessions 79-86)

6:40 A.M. – 5:56 P.M.

Progress In The Prevention And Treatment Of Spinal Cord Ischemia (SCI) With TAAAs And Complex Aortic Aneurysm Repairs; New Developments In Carotid Artery Disease And Its Treatment: Mesh Covered Stents And TCAR, Cognitive Changes, Timing Of Treatment, Medical Treatment, Update On Carotid Trials, Treatment Of Asymptomatic Carotid Stenosis (ACS), String Sign, Carotid Clot, Significance Of MRI Lesions, Carotid Controversies And More Carotid Topics; Other New Endovascular Treatment Concepts, Techniques; Update On Percutaneous Access Closure Devices And Wound Care

Location: Grand Ballroom East, 3rd Floor

Program L (Sessions 87-94)

6:52 A.M. – 5:40 P.M.

New Developments In The Treatment Of Popliteal Disease: Aneurysms, Entrapment And Occlusive Lesions; Advances In Treating Arterial And Graft Infections; Advances In Vascular Imaging And Guidance; Augmented Reality And Artificial Intelligence; Recorded Live Complex Endovascular Cases From Münster, Germany; New Developments In Thoracic Outlet Syndrome Management; Advances In Medical, Drug, Anticoagulant And Rare Vascular Disease Treatment; And Advances In The Treatment Of Vascular Trauma

Location: Grand Ballroom West, 3rd Floor

Program M (Sessions 95-104)

7:00 A.M. – 5:57 P.M.

Deep Venous Disease

Location: Trianon Ballroom, 3rd Floor

SATURDAY PROGRAMS

Program N (Sessions 105-108)

7:00 A.M. – 12:40 P.M.

Topics Too Important To Miss In The Treatment Of Lower Extremity, Aortic Or Carotid Disease

Location: Grand Ballroom East, 3rd Floor

Program O (Sessions 109-113)

8:00 A.M. – 4:00 P.M.

Improving Outcomes In Hemodialysis Access

Location: Grand Ballroom West, 3rd Floor

Program P (Sessions 114-123)

7:00 A.M. – 5:30 P.M.

Advances In Vascular Imaging And Diagnosis

Location: Murray Hill Suites, 2nd Floor



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CENTER FOR CONTINUING MEDICAL EDUCATION

Steven M. Kawczak, PhD

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THE VASCULAR WORLD
IS COMING TOGETHER IN NEW YORK

THIS NOVEMBER...

AND YOU'RE INVITED!

VEITHSYMPOSIUM
Connecting the Vascular Community



VASCULAR FELLOWS & RESIDENTS CAREER DEVELOPMENT PROGRAM

An Interactive Symposium for Vascular Surgery Fellows and
Residents Preparing to Enter the Job Market!

Friday, November 18, 2023 • 8:00 A.M. - 5:00 P.M. • New York Hilton-Midtown, New York City
Americas Hall 1, 3rd Floor | This is a Non-CME activity.

VEITHsymposium provides vascular surgeons and other vascular specialists with a unique and exciting format to learn the most current information about what is new and important in the treatment of vascular disease. The 5-day event features rapid-fire presentations from world renowned vascular specialists with emphasis on the latest advances, changing concepts in diagnosis and management, pressing controversies and new techniques.

We are pleased to offer the 8th VEITHsymposium Fellows & Residents Career Development Program this year. This Program is dedicated to bringing together the June 2024 graduating vascular trainee and their potential employers right at the time that the trainees are looking for their first post-training position. The Career Development Program will also provide an environment for career counseling and easy interaction between vascular trainees, senior vascular specialists, and potential employers.

WHO SHOULD ATTEND:

Graduating Fellows and Residents in Vascular Surgery
Attending Vascular Specialists seeking new opportunity
Potential Employers and Vascular Career Recruiters of
Vascular Specialists

ACKNOWLEDGMENTS:

The Cleveland Clinic Foundation Center for Continuing Education and VEITHsymposium acknowledge educational and in-kind grants* in support of this activity from:

Gore & Associates, Inari Medical, Medtronic, Shockwave Medical, and Terumo Aortic.

JOIN US IN NEW YORK CITY THIS NOVEMBER.

Register online for VEITH at: www.VEITHsymposium.org

PROGRAM DIRECTOR:

James F. McKinsey, MD

Moderators: James F. McKinsey, MD
Venita Chandra, MD

8:00 – 8:05 Welcome
James F. McKinsey, MD
Venita Chandra, MD

SESSION 1 SELECTING YOUR FIRST JOB

8:05 – 8:13 What Does A Vascular Practice Look Like In The 21st Century; Academic, Hybrid Or Community Practice?
James H. Black III, MD

8:13 – 8:18 Discussion

8:18 – 8:26 What To Prioritize In Your First Practice
Karan Garg, MD

8:26 – 8:31 Discussion

8:31 – 8:39 Things I Wish I Had Known When I Was Selecting My First Job
Nicole Ilanzo, MD

8:39 – 8:44 Discussion

8:44 – 8:52 How To Evaluate A Group's Commitment To Diversity, Equality And Inclusiveness Before Joining The Group
Palma M. Shaw, MD, MBA

8:52 – 8:57 Discussion

8:57 – 9:05 How Much Should I Get Paid? How Do I Know If I Am Getting Paid Fairly?
Sherene Shalhub, MD, MPH

9:05 – 9:09 Panel Discussion With Q&A

SESSION 2 INTERVIEWING FOR YOUR FIRST JOB

9:09 – 9:17 Interviewing 101: The Right Questions To Ask When Interviewing
Jeffrey J. Siracuse, MD

9:17 – 9:22 Discussion

9:22 – 9:32 How To Find Out What The Practice Is Really Like And Understand The Options Within The Practice
Ellen D. Dillavou, MD

9:32 – 9:37 Discussion

9:37 – 9:45 Do I Need To Hire A Lawyer To Review My Employment Contract?
Margaret Tracci, MD, JD

9:45 – 9:50 Discussion

9:50 – 10:00 How To Negotiate Your First Contract
James F. McKinsey, MD

10:00 – 10:05 Panel Discussion With Q&A

10:05 – 10:25 Break - Visit Exhibits And Pavilions (2nd and 3rd Floors)

SESSION 3 FIRST YEAR IN PRACTICE

10:25 – 10:33 Keys To Building A Successful Practice
Venita Chandra, MD

10:33 – 10:38 Discussion

10:38 – 10:46 What Is The Value Of Dedicated Vascular Programs Within A Vascular Practice; Aortic, PERT, Critical Limb Ischemia, Central Line, Etc., And How Do I Set Them Up?
Anahita Dua, MD, MS, MBA

10:46 – 10:51 Discussion

10:51 – 10:59 Building Your Practice: Research Considerations
Marc L. Schermerhorn, MD

10:59 – 11:04 Discussion

11:04 – 11:12 Building Your Practice: Clinical Considerations
Keith D. Calligaro, MD

11:12 – 11:17 Discussion

11:17 – 11:27 Vascular Procedure Billing And Coding – What Do You Absolutely Need To Know Going Into Your First Job?
Sean P. Roddy, MD

11:27 – 11:32 Discussion

11:32 – 11:40 Balancing Your Practice With Industry Relationships - From A Physician's Viewpoint
Gustavo S. Oderich, MD

11:40 – 11:45 Discussion

11:45 – 11:53 What Industry Is Looking For In Collaboration With Vascular Interventionalists
Mr. Samuel Arbefeuille

11:53 – 11:58 Discussion

11:58 – 12:10 Lunch Available

LUNCHEON PROGRAM: ADVANCEMENT IN THE TREATMENT OF VASCULAR DISEASE

12:10 – 12:25 Evolution Of DVT Treatment: Where We've Been & Where We're Going
Steven D. Abramowitz, MD

12:25 – 12:40 Advances In Patient Care Using Endograft Branch Technology
James F. McKinsey, MD

12:40 – 12:55 How Long-Term ENGAGE Study Outcomes Informs My Approach To Patient Management
Frank R. Arko, MD

12:55 – 1:09 Discussion

SESSION 4 LONG-TERM PRACTICE MANAGEMENT

1:10 – 1:18 Incorporating Social Media Into Your Vascular Practice
Alan B. Lumsden, MD

1:18 – 1:23 Discussion

1:23 – 1:31 Opportunities And Resources For Your Career – From The Society For Vascular Surgery
Joseph L. Mills, MD

1:31 – 1:36 Discussion

1:36 – 1:44 Opportunities And Resources For Your Career Available To You From Your Regional Vascular Societies
Kathleen J. Oszvath, MD

1:44 – 1:49 Discussion

1:49 – 1:57 Tips And Tricks To Managing Family, Wellness And Career Development
Vincent I. Rowe, MD

1:57 – 2:02 Discussion

2:02 – 2:10 Medical Malpractice – How To Avoid A Lawsuit
O. William Brown, MD, JD

2:10 – 2:15 Discussion

2:15 – 2:23 Incorporating Diversity, Inclusiveness And Equality Into Your Practice
Dawn M. Coleman, MD

2:23 – 2:28 Discussion

2:28 – 2:36 Tips/Tricks To Manage Malignant Settings, Toxic Leadership, Difficult Partners And Turf Wars
Shang Loh, MD

2:36 – 2:41 Discussion

2:41 – 2:49 Financial Planning Consideration, Tips And Tricks For The Young Surgeon
Mr. Anthony R. Anzalone

2:49 – 2:54 Discussion

2:54 – 3:02 Long-Term Career Planning: What Are Your Long-Term Goals?
Timur P. Sarac, MD

3:02 – 3:07 Discussion

3:07 – 3:15 Career Options Throughout Your Career
Peter Gloviczki, MD

3:15 – 3:20 Discussion

3:20 – 3:25 Closing Remarks
Frank J. Veith, MD

3:25 – 5:00 Interactive Cocktail Reception with Faculty, Fellows/Residents, Potential Employers and Industry

SPECIAL CME, NON-CME, AND OTHER INDUSTRY SPONSORED EVENTS

(PLEASE VISIT WWW.VEITHSYMPOSIUM.ORG FOR AN UPDATED LISTING OF THESE ACTIVITIES.)

MONDAY, NOVEMBER 13, 2023

GORE & ASSOCIATES

Enabling solutions for complex disease: TIPS and AV access

Time: 12:00 P.M. – 1:00 P.M.

Location: Nassau Suite East and West, 2nd Floor

TUESDAY, NOVEMBER 14, 2023

GORE & ASSOCIATES

Lunch Symposium: *Leading TEVAR innovation for over 25 years: Proven outcomes, new branched technology and trial insights*

Time: 12:00 P.M. – 1:00 P.M.

Location: Mercury Rotunda & Ballroom, 3rd Floor

Evening Symposium: *TEVAR Triumphant: Celebrating 25 years of TEVAR innovation: The journey from inception to reality*

Time: 6:00 P.M.

Location: Mercury Rotunda & Ballroom, 3rd Floor

PENUMBRA, INC.

Lunch Symposium: *Thrombus Management with Computer Assisted Vacuum Thrombectomy (CAVT): Data & Case Based Discussion*

Time: 12:00 P.M. - 1:00 P.M.

Location: Nassau Suites East & West, 2nd Floor

WEDNESDAY, NOVEMBER 15, 2023

BD

Lunch Symposium: *Cross, Treat and Sustain - Solutions for Complex PAD Lesions*

Time: 12:35 P.M. - 1:35 P.M.

Location: Gibson Suite, 2nd Floor

CONCEPT MEDICAL

Lunch Symposium: *Sirolimus Coated Balloon for PAD*

Time: 12:00 P.M. - 1:30 P.M.

Location: Nassau Suites East & West, 2nd Floor

GORE & ASSOCIATES

Lunch Symposium: *Rethinking the role of covered stents for PAD: Compelling long-term outcomes and new innovation*

Time: 12:35 P.M. – 1:35 P.M.

Location: Mercury Rotunda & Ballroom, 3rd Floor

MEDTRONIC

Thanksgiving Lunch Buffet and Symposium:

Choosing the Optimal Treatment for PAD: How Recent Data on Paclitaxel and Atherectomy Affect My Practice

Time: 12:35 P.M. – 1:35 P.M.

Location: Medtronic Pavilion, 3rd Floor

NECTERO MEDICAL

Afternoon Symposium & Cocktail Hour:

Nectero EAST® System: Innovative New Treatment for Small- to Mid-Sized Abdominal Aortic Aneurysms (AAA)

Time: 5:15 P.M. - 7:30 P.M.

Location: Clinton Suite, 2nd Floor

SPECIAL CME, NON-CME, AND OTHER INDUSTRY SPONSORED EVENTS

VVV@Vs®

VENOUS VENOUS VENOUS® WORKSHOPS AT VEITHsymposium

Workshops will include Video Case Presentations, Lectures and Demonstration on vein management by experts, plus hands-on opportunities where participants can rotate through multiple training stations staffed by professionals to assist with your experience.

Time: 1:35 P.M. – 6:22 P.M.

Location: Americas Hall 2, 3rd Floor

THURSDAY, NOVEMBER 16, 2023

BD

Lunch Symposium: *International Expert Panel: Latest Debates in Venous Disease*

Time: 12:00 P.M. - 1:00 P.M.

Location: Gibson Suite, 2nd Floor

EnVveno Medical Corporation (NVNO)

Lunch Symposium: *Veno Valve for Deep Venous Reflux in Patients with CVI*

Time: 12:00 P.M. - 1:30 P.M.

Location: Madison Suite, 2nd Floor

GORE & ASSOCIATES

Lunch Symposium: *Together advancing complex EVAR*

Time: 12:00 P.M. – 1:00 P.M.

Location: Mercury Rotunda & Ballroom, 3rd Floor

HUMACYTE

Dinner Symposium: *Vascular Trauma Repair Clinical Study Results with the Humacyte Human Acellular Vessel™*

Time: 6:00 P.M.

Location: Clinton Suite, 2nd Floor

MEDTRONIC

Lunch Symposium: *Medtronic: Optimizing Seal in Challenging TEVAR*

Time: 12:00 P.M. - 1:00 P.M.

Location: Medtronic Pavilion, 3rd Floor

WORLD FEDERATION OF VASCULAR SURGERY at VEITHsymposium



Moderators: Palma M. Shaw, MD, MBA, RVPI, Wei Zhou, MD and Enrico Ascher, MD

The World Federation of Vascular Societies (WFVS) exists to improve the quality of care of vascular patients worldwide, by providing a forum for the international exchange of scientific and educational knowledge related to the diagnosis, treatment and prevention of vascular diseases. The WFVS is composed of 8 member societies consisting of federated, national and affiliate vascular societies.

Time: 1:00 P.M. - 2:30 P.M.

Location: Murray Hill Suites, 2nd Floor

SPECIAL NON-CME AND OTHER INDUSTRY SPONSORED EVENTS

BEST-CLI- NEW DATA AND EVOLVING PERSPECTIVES



Moderators: Alik Farber, MD, MBA, Matthew T. Menard, MD and Kenneth Rosenfield, MD

The BEST-CLI trial will be the central focus for two hours on Thursday, November 16th from 3-5 P.M. at the VEITHsymposium in New York City. BEST-CLI Principal Investigators Drs. Alik Farber, Matthew Menard and Kenneth Rosenfield will moderate a deep and data-rich dive into recent work, future plans, comments from opinion leaders and a debate on the evolving interpretation of BEST-CLI.

The program will highlight recent analyses and forthcoming publications on Periprocedural Complications, Reinterventions, a number of novel but highly relevant Secondary Endpoints, a comprehensive BEST-CLI Investigator Survey and open and endo comparison of Infrapopliteal Interventions within the trial.

Time: 3:00 P.M. - 5:00 P.M.

Location: Murray Hill Suites, 2nd Floor

FRIDAY, NOVEMBER 17, 2023

BD

Lunch Symposium: More Options for Your Dialysis Access Treatment Algorithm

Time: 12:00 P.M. - 1:00 P.M.

Location: Gibson Suite, 2nd Floor

COOK MEDICAL

Latin American Luncheon at VEITHsymposium®:

Innovations in Vascular Disease Management: Clinical Cases and Technical Strategies

Time: 12:00 P.M. - 1:00 P.M.

Location: Murray Hill Suites, 2nd Floor

FELLOWS & RESIDENTS CAREER DEVELOPMENT PROGRAM

Time: 8:00 A.M. - 5:00 P.M.

Location: Americas Hall 1, 3rd Floor

J. LEONEL VILLAVICENCIO LATIN-AMERICAN PROGRAM at VEITHsymposium



Course Leaders: Enrico Ascher, MD (USA), Jorge H. Ulloa, MD (COL), Rebeca Reachi, MD (MEX), Tulio P. Navarro, MD, PhD (BRA) and Frank J. Veith, MD (USA)

Five-minute presentations in English, Spanish, or Portuguese. Best Presentation Award will be given.

Time: 7:30 A.M. - 5:00 P.M.

Location: Murray Hill Suites, 2nd Floor

SATURDAY, NOVEMBER 18, 2023

GORE & ASSOCIATES

Lunch Symposium: *Technical and clinical techniques for improving patient outcomes – AV access revisions*

Time: 12:00 P.M. - 1:00 PM

Location: Mercury Rotunda & Ballroom, 3rd Floor

NEEDS ASSESSMENT

Vascular disease in all of its manifestations is a leading cause of death and disability affecting a large percentage of Americans over the age of 50. There is a critical need for physicians who diagnose, treat and manage patients with vascular disease to receive continuing medical education in this area. The latest pharmacologic, radiologic, surgical and endovascular techniques and technologies will be presented, along with discussions of when these treatments are justified and indicated and when they are not. Updates on clinical trials and opportunities for dialogue with experts in the field provide insight along with the latest data on the results of the various treatment modalities.

There is an enormous gap between actual practice and the current state of knowledge. This gap is filled imperfectly with material in books and published articles. These sources are also often negatively influenced by the biases of authors, reviewers and editors. VEITHsymposium attempts to fill this gap more perfectly and more currently by enlisting speakers with up-to-date information and data, and also those on both sides of controversial issues. In this way, the audience gets a current view of the state-of-the-art in vascular disease management as of the date of the meeting. All important topics are covered.

In addition, by having numerous short (5-6 minutes) talks followed by panel discussions and capturing the entire meeting on the web-based library, the meeting will provide an electronic reference source to help vascular specialists in their practice decisions throughout the year. It will also provide the most up-to-date unbiased information possible to help with these decisions.

FOCUS

The VEITHsymposium provides Vascular Surgeons and other Vascular Specialists with a five-day conference on the most current information about new developments in clinical practice and relevant research. Beginning Tuesday, the symposium offers over 1,300 fast-paced presentations on what is new and important in the treatment of vascular disease. Important updates and reevaluations, as well as the latest significant advances, changing concepts in diagnosis and management, pressing controversies and new techniques, agents and diagnostic modalities will be presented. Video case presentations will also be included.

OBJECTIVES

Upon completion of the VEITHsymposium, the participants will, after learning about a wide array of topics, be able to:

- Explain the practical implications of clinical trial data on new technologies and techniques for endovascular repair of abdominal aortic aneurysm and thoracic aortic disease
- Summarize the impact of data on therapeutic advances for stroke and carotid disease management
- Compare the safety, efficacy, and therapeutic indications of pharmacologic agents to the management of vascular disease
- Assess data on the latest state-of-the-art for the treatment of superficial femoral and tibial artery disease and describe potential implications for clinical care
- Summarize recent data on treatment advances for venous disease and explain their clinical implications
- Provide new information about the latest developments in hemodialysis access and vascular malformations and tumors
- Incorporate the Vascular Laboratory into the management of patients with vascular disease
- Identify and compare noninvasive tests that are available to aid in the diagnosis of vascular disease

GENERAL INFORMATION

TARGET AUDIENCE

Vascular Surgeons, Interventional Radiologists, Interventional Cardiologists, Vascular Medicine Specialists, Cardiac Surgeons, Vascular Technologists, Sonographers and all others interested in the management of vascular disease.

ASSOCIATE FACULTY GLOBAL PODIUM PRESENTATIONS

Wednesday – Friday, November 15-17, 2023

Location: Gramercy Suite East, 2nd Floor

In order to have more younger and less familiar vascular surgeons and vascular specialists play an active role as Associate Faculty at our meeting, we have initiated programs whereby they can present their scientific work at the podium. Vascular surgeons and vascular specialists participating in these programs will have submitted abstracts for a podium presentation, and these abstracts will be posted on our website. The best three abstracts will receive cash prizes of \$1,000 (1st place), \$500 (2nd place) and \$250 (3rd place). Please visit www.veithsymposium.org for additional information about the Associate Faculty Global Podium Presentations component of VEITHsymposium.

ONE-DAY COMPONENT SESSIONS WILL BE HELD AS FOLLOWS:

Multidisciplinary Acute Stroke Management

Thursday, November 16, 2023

Location: Murray Hill Suites, 2nd Floor

Hemodialysis Access

Saturday, November 18, 2023

Location: Grand Ballroom West, 3rd Floor

ACCREDITATION STATEMENT

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

Credit Designation

American Medical Association (AMA)

Cleveland Clinic Foundation Center for Continuing Education designates this live activity for a maximum of 52 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.

American Nurses Credentialing Center (ANCC)

Cleveland Clinic Center for Continuing Education designates this live activity for a maximum of 52 ANCC contact hours.

Certificate of Participation

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The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Integrity and Independence requiring mitigation of all faculty conflicts of interest. Faculty declaring a relevant financial relationship will be identified in the activity syllabus.

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Presentation slides will be used as abstracts and will be available on the program page of the VEITHsymposium website at www.veithsymposium.org after the meeting. Abstracts will be available on the website for one full year.

ONLINE CONFERENCE LIBRARY

The entire program with almost all the talks, slides, audio and videos - fully synchronized - and the panels, will be available in an Online Conference Library, which can be obtained at a nominal cost. For more information on how to obtain the VEITHsymposium Online Library, please visit www.veithondemand.com or call (800) 987-9314, select option 3.

HOTEL AND TRAVEL

A block of rooms has been reserved at the conference rate of \$359 plus taxes per night. This rate is available until the block is filled or until October 10, 2023. *Please request the VEITH rate when reserving your accommodations.*

New York Hilton-Midtown (Symposium Site)

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VASCULAR ENDOVASCULAR ISSUES TECHNIQUES HORIZONS

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TUESDAY, NOVEMBER 14, 2023

- 6:00 A.M. General Registration – Rhinelander Gallery, 2nd Floor
 6:00 A.M. Faculty Registration – Gramercy Suite West, 2nd Floor
 6:15 A.M. Continental Breakfast – Rhinelander Gallery, 2nd Floor

CONCURRENT TUESDAY PROGRAMS

PROGRAM A: (SESSIONS 1-8)

Progress In The Treatment Of Diseases Of The Coronary Arteries, Heart Valves And The Thoracic And Abdominal Aorta

6:45 A.M. – 6:02 P.M.

Grand Ballroom East, 3rd Floor

PROGRAM B: (SESSIONS 9-16)

Progress In Vascular Robotics, Guidance Systems, Laparoscopy, Simulation And COVID; New Developments In Carotid Disease And Acute Stroke Treatment; Abdominal Aortic Branch Treatment; New Technology Concepts And Artificial Intelligence (AI); Vascular Surgery Identity, Training, Manpower And Mentorship; Updates On Open And Hybrid Vascular Surgery, And Treatment Of Aortic Coarctation

6:40 A.M. – 5:59 P.M.

Grand Ballroom West, 3rd Floor

PROGRAM C-1: (SESSIONS 17-18)

Management Of Pulmonary Embolism: The Ultimate Team Approach

7:00 A.M. – 12:00 P.M.

Trianon Ballroom, 3rd Floor

Course Leader: Michael R. Jaff, DO

PROGRAM C-2: (SESSIONS 19-22)

Interesting Topics Related To Lower Extremity Occlusive Disease And Its Treatments

1:00 P.M. – 6:06 P.M.

Trianon Ballroom, 3rd Floor

PROGRAM A (SESSIONS 1-8)

PROGRESS IN THE TREATMENT OF DISEASES OF THE CORONARY ARTERIES, HEART VALVES AND THE THORACIC AND ABDOMINAL AORTA

Grand Ballroom East, 3rd Floor

6:45 – 6:50 Opening Remarks

Frank J. Veith, MD

SESSION 1 (Grand Ballroom East, 3rd Floor)

PROGRESS IN CORONARY ARTERY STENTING, TRANSCATHETER VALVE REPLACEMENT, AND TREATMENT OF ASCENDING AORTIC DISEASE

Moderators: *Roxana Mehran, MD*

Hazim J. Safi, MD

Tilo Kölbel, MD, PhD

CORONARY STENTS

6:50 – 6:55 What Is New In Coronary Artery Stenting: What Is The Role For Bare Metal Stents

Roxana Mehran, MD

6:56 – 7:01 What Is New With Treatment Outcomes For Left Main Coronary Artery Disease: Advantages And Limitations Of PCI And CABG: Which Has Better Long-Term Survival

Gregg W. Stone, MD

TRANSCATHETER HEART VALVES

- 7:02 – 7:07** Update On The Status Of Transcatheter Mitral Valve Replacement/Repair (TMVR)
Juan F. Granada, MD
- 7:08 – 7:13** **DEBATE:** Update On Current State Of TAVR: A Cardiac Surgeon's View: What Is The Role Of Surgery In Aortic Valve Disease
Ali B. Khoynzhad, MD, PhD
- 7:14 – 7:19** **DEBATE:** What Is New With Transcatheter Aortic Valve Replacement (TAVR): What Are Its Limitations: A Cardiologist's View
Torsten Vahl, MD

THE ASCENDING AORTA

- 7:20 – 7:25** Progress In Endovascular Graft Treatment Of Ascending Aortic Lesions: What New Grafts Are Being Developed: What Problems Exist: Will They Be Overcome And Will This Segment Of The Aorta Be Conquered Endovascularly
Rodney A. White, MD
- 7:26 – 7:31** Endovascular Treatment Of Type A Aortic Dissections (TAADs) In 2023: What Is Here And What Is Coming: Experience With Ascending Aortic Endografting
Eric E. Roselli, MD
- 7:32 – 7:37** Current Status Of Endo Bentall Procedures In Patients: Review Of Early Clinical Experiences: How Can It Be Done Without Left Ventricular Access
Yazan Duwayri, MD, MBA
Bradley G. Leshnower, MD
- 7:38 – 7:43** Current And Future Status Of Ascending Aortic Endograft Repairs: Devices And Experience With Endo-Wheat And Endo-Bentall Procedures
Nimesh D. Desai, MD, PhD
- 7:44 – 7:50** **Panel Discussion**

SESSION 2 (Grand Ballroom East, 3rd Floor)

PROGRESS IN THE TREATMENT OF AORTIC ARCH LESIONS AND AORTIC DISSECTIONS

Moderators: *Ali B. Khoynzhad, MD, PhD*

Alan B. Lumsden, MD

Christoph A. Nienaber, MD, PhD

- 7:50 – 7:55** Current Status Of Open Aortic Arch Repair: What Is The Benchmark That Endo And Hybrid Techniques Must Compete With
Anthony L. Estrera, MD
- 7:56 – 8:01** Update On Hybrid Repair Of Aortic Arch And Thoracic Aortic Aneurysms Using ThoraFlex (Hybrid) And Relay Devices For Frozen Elephant Trunk (FET) And TEVAR: Indications And Results
Joseph S. Coselli, MD (PowerPoint Presentation With Synched Audio)
Ourania Preventza, MD
- 8:02 – 8:07** Update On Endovascular Arch Repair With Cook 2- Or 3-Branched Device For Lesions Involving The Entire Aortic Arch: Retrograde Versus Antegrade Insertion Of Arch Branches: Advantages Of A Fully Percutaneous Approach
Stephan Haulon, MD

- 8:08 – 8:13** Long-Term Results With 2-Branched Endograft (Relay – Terumo Aortic) And Single Branched Device (Nexus – Endospan) For Treatment Of Zone 0 Arch Lesions
Toru Kuratani, MD, PhD
- 8:14 – 8:19** Update On The Terumo Relay Branched Endograft Device For Aortic Arch Lesion Repairs: Advantages, Limitations And Results
Vicente Riambau, MD, PhD
Ciro Ferrer, MD
Martin Czerny, MD
- 8:20 – 8:25** A New Device For Endovascular Repair Of Aortic Arch Aneurysms: Advantages And Early Clinical Experience
Qingsheng Lu, MD
Zaiping Jing, MD
- 8:26 – 8:31** Update On Total And Partial Aortic Arch Lesion Repairs With The Gore TAG Single Branch Endograft: An Off-The-Shelf (OTS) Device For Revascularizing Arch Branches: Experience To Date, Advantages And Limitations
Michael D. Dake, MD
Himanshu Patel, MD
Joseph E. Bavaria, MD
- 8:32 – 8:37** How Best To Treat TBADs Extending Into The Arch Or Ascending Aorta; When Open, When Endo, When Hybrid
I-Hui Wu, MD, PhD
- 8:38 – 8:43** A New Device For Endovascular Aortic Arch Reconstruction: Characteristics, Advantages And Early Clinical Results
Chang Shu, MD
- 8:44 – 8:49** How Best To Treat Aortic Arch Lesions: Customized Versus Off-The-Shelf (Chimney) Versus Physician Modified Endografts: Is Open Repair Ever Necessary
Nicola Mangialardi, MD
- 8:50 – 8:55** Value Of Ascending Aortic Banding As Primary Or Adjunctive Treatment For Aortic Arch Lesions
Chun Che Shih, MD, PhD
- 8:56 – 9:02** **Panel Discussion**

SESSION 3 (Grand Ballroom East, 3rd Floor)

PROGRESS IN THE ENDOVASCULAR TREATMENT OF AORTIC DISSECTIONS: REPORTING STANDARDS, CLASSIFICATION SYSTEMS, STABILISE, AND MORE

Moderators: *Michael D. Dake, MD*
Joseph V. Lombardi, MD
Hazim J. Safi, MD

- 9:02 – 9:07** Guideline Update On The SVS-STS Aortic Dissection Reporting Standards And Classification System: How Do They Help In Precisely Determining High Risk TBAD Patients
Joseph V. Lombardi, MD
- 9:08 – 9:13** Important Bullet Points Regarding Aortic Dissections From The European Association For Cardiothoracic Surgery: What Is New About Them
Martin Czerny, MD

- 9:14 – 9:19** Imperfect TEVAR Stent-Graft Performance As A Cause Of Aortic Remodeling: How It Can Be Prevented And Treated With The Chinese Fabulous® Thoracic Aortic Stent-Graft Designed Specifically For Aortic Dissections
Weiguo Fu, MD
- 9:20 – 9:25** New Findings Regarding The STABILISE Concept For Treating Acute And Chronic TBADs By Disrupting The Intimal Flap By Overdilating The Distal Bare Stent: How It Works, Precautions, And Should It Be The Treatment Of Choice
Jean-Marc Alsac, MD, PhD
- 9:26 – 9:31** Updated Experience With The STABILISE Technique For Acute And Subacute TBADs: Indications, Technical Tips, Precautions And Results
Andrea Kahlberg, MD
Germano C.G. Melissano, MD
Roberto L.V. Chiesa, MD
- 9:32 – 9:37** Dual Lumen Interventions To Promote False Lumen Thrombosis In Chronic Aortic Dissections: The FLIRT Procedure: What Is It; When Is It Useful; How To Do It
Christoph A. Nienaber, MD, PhD
- 9:38 – 9:43** There Will Always Be A Need For Open Repair For Post-Dissection TAAAs: In What Circumstances
Hazim J. Safi, MD
- 9:44 – 9:49** Distal Stent-Graft Induced New Entry Tears (SINEs) With TEVAR Treatment Of TBADs: Prevention By Avoiding Oversizing And Ballooning And Using Tapered Endografts
Ludovic Canaud, MD, PhD
- 9:50 – 9:55** The Impact Of Distal Stent-Graft Induced New Entry Tears (SINEs) On Aortic Remodeling Of Chronic TBADs: How To Prevent And Treat Them
Chun Che Shih, MD, PhD
- 9:56 – 10:01** Highlights From The New SVS, AATS, AHA, ACC, ACR, STS, SVM, SCAI, SCA Aortic Disease Guidelines: What Are The Key Differences
James H. Black, III, MD
- 10:02-10:07** International Experience With Endovascular Treatment Of Complex Aortic Diseases In Patients With Connective Tissue Disease (CTD) Including Loeys-Dietz And Ehlers-Danlos Syndromes: What Is Its Role
Anders Wanhainen, MD, PhD (PowerPoint Presentation With Synched Audio)
- 10:08-10:14** **Panel Discussion**
- 10:14-10:24** **Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 4 (Grand Ballroom East, 3rd Floor)

MORE NEW DEVELOPMENTS IN THE TREATMENT OF TBADs, THORACIC AORTIC DISEASE AND THORACOABDOMINAL ANEURYSMS (TAAAs)

Moderators: *Jean M. Panneton, MD*
Eric L.G. Verhoeven, MD, PhD
Michael J. Jacobs, MD

- 10:24-10:29** When Should Fully Open Repair Be First Line Treatment For TAAAs And When Should A Hybrid (Endograft Proximal + Open Distal) Be The Preferred Treatment: How To Do The Latter
Margaret Tracci, MD, JD

- 10:30-10:35** New Strategies And Indications For Open TAAA Repair Including Failed EVAR And F/B/EVAR: Technical Tips And Results
Andrea Kahlberg, MD
Germano C.G. Melissano, MD
Roberto L. V. Chiesa, MD
- 10:36-10:41** Update On Aortic Arch Repairs With Frozen Elephant Trunk (FET) Followed By Open Or Endo Extensions For TAAA Repairs: Techniques And Outcomes; Importance Of Staging
Michael J. Jacobs, MD
Barend M.E. Mees, MD, PhD
Geert Willem H. Schurink, MD, PhD
- 10:42-10:47** New Findings From The STABLE I And II Trials: What Are The Short And Long-Term Benefits And Limitations Of A Distal Bare Stent Combined With A Proximal Covered Stent (The Petticoat Procedure): Update On Aortic Remodeling
Joseph V. Lombardi, MD
- 10:48-10:53** 25 Years Of Data From The IRAD Registry (International Registry of Acute Aortic Dissection): How Has Treatment Evolved; What Lessons Have Been Learned: What Key Questions Remain
Santi Trimarchi, MD, PhD
- 10:54-10:59** F/B/EVAR For TAAAs Degenerative And Post TBAD: The Good, Bad And Ugly: Complications And How To Prevent Them: Value Of The BeBack Catheter To Cross The Dissection Flap
Eric L.G. Verhoeven, MD, PhD
Athanasios Katsargyris, MD
- 11:00-11:05** Experience With Inner And Outer Branched Endografts And The t-Branch OTS Device (Cook) To Treat TAAAs After TBADs: Technical Tips And Results
Marcelo Ferreira, MD (PowerPoint Presentation With Synched Audio)
- 11:06-11:12** **Panel Discussion**
- 11:12-11:17** Update On The Endovascular Treatment Of Ascending Aortic Disease With The Gore Ascending Aortic Endograft: Advantages, Limitations And Results From The ARISE Trial
Ali Azizzadeh, MD
- 11:18-11:23** Unitary Manifold Endograft System For Complex Type 4 TAAAs, Aneurysms With Chronic TBADs, Ruptured Complex AAAs And Failed Prior EVAR Repairs: How Does It Work And Up To 10-Year Results
Patrick W. Kelly, MD (PowerPoint Presentation With Synched Audio)
- 11:24-11:29** With Acute Type A Aortic Dissection (TAAD) And End-Organ Ischemia, Which Should Come First – Aortic Repair Or Restoration Of Branch Perfusion: How To Accomplish The Latter
David M. Williams, MD (PowerPoint Presentation With Synched Audio)
- 11:30-11:35** Improved Aortic Remodeling With TEVAR And A Distal Bare Metal Stent In Acute Complicated TBAD
Christoph A. Nienaber, MD, PhD
- 11:36-11:41** Endovascular Thermal Septotomy Of The Dissection Flap With An Electrocautery Activated Guidewire To Eliminate And Prevent Enlargement Of The False Lumen To Treat Chronic TBADs: Is There A Downside
Carlos H. Timaran, MD

- 11:42–11:47** Current Status Of A Catheter Aortic Septotomy Device For Treating Aortic Dissections By Cutting The Septum From Below: Yes, There Is A Downside To Other Septotomies That Cut The Septum From Above
Ramon Berguer, MD, PhD
- 11:48–11:53** With Acute Type B Aortic Intramural Hematomas (IMHs): When Is TEVAR Indicated: How Long Should Treatment Be Delayed For Optimal Outcomes: Earlier TEVAR Has More Adverse Events
Jean M. Panneton, MD
- 11:54–12:00** **Panel Discussion**
- 12:00– 1:00** **Lunch Break – Rhinelander Gallery, 2nd Floor**
Visit Exhibits And Pavilions (2nd and 3rd Floors)

SESSION 5 (Grand Ballroom East, 3rd Floor)

NEW DEVELOPMENTS IN ABDOMINAL AORTIC ANEURYSM (AAA) ETIOLOGY AND TREATMENT, EVAR AND EVAS (ENDOVASCULAR ANEURYSM SEALING)

Moderators: *Caron B. Rockman, MD*
Michel Makaroun, MD
Grace J. Wang, MD, MSCE

- 1:00 – 1:05** Failing EVARs Are An Enlarging Epidemic: Etiology And How Best To Prevent And Treat The Problem: Can Cloud Based Fusion Help
Murray L. Shames, MD
- 1:06 – 1:11** What Evidence Really Matters In Evaluating EVAR Results: What Is The Best Type Of Evidence To Compare EVAR With Open Repair: RCTs May Not Reflect Reality As Well As Other Methods: The NICE Guidelines Prove It
Matt M. Thompson, MD
- 1:12 – 1:17** Are There Registry Differences In Neck Behavior And AAA Sac Shrinkage After Excluder And Endurant Endografts: Why We Need A Head-To-Head Randomized Comparison After EVAR With The 2 Endografts: The ADVANCE RCT
Marc L. Schermerhorn, MD
Hence J.M. Verhagen, MD, PhD
- 1:18 – 1:23** Observation Of Small AAAs (<5.0 cm) Is Safe, Predictable And Does Not Reduce EVAR Options: Are There Exceptions And Does AAA Volume Matter
Jon S. Matsumura, MD
- 1:24 – 1:29** Update On A Novel New Endovascular Technology (Nectero) To Slow AAA Growth; How Does It Work And 3-Year Clinical Results: Status Of The STAAABLE RCT And Recent Approval Of FDA Fast Track Designation
Venkatesh G. Ramaiah, MD
Daniel G. Clair, MD
Andrew Holden, MBChB
- 1:30 – 1:35** Why And When EVAR Is NOT The Best Treatment For All AAAs Even With Favorable EVAR Anatomy: When Open And When No Treatment Is Better
Fabio Verzini, MD, PhD
- 1:36 – 1:42** **Panel Discussion**

- 1:42 – 1:47** A Note Of Caution Regarding Nellix Endografts And EVAS From The European Society For Vascular Surgery (ESVS) Guidelines Committee
Jonathan R. Boyle, MD
Nikolaos Tsilimparis, MD, PhD
Isabelle Van Herzeele, MD, PhD
Anders Wanhainen, MD, PhD
- 1:48 – 1:53** Short And Long-Term Results For Endovascular Therapy For Infected Aortic Aneurysms At Various Levels: A 17-Year, 163-Case Experience: EVAR Can Work
Boonprasit Kritpracha, MD
- 1:54 – 1:59** Sac Dynamics After EVAR Influence Long-Term Survival: What Can Be Done To Improve AAA Sac Shrinkage: Filling The Sac With Polymer Plugs From Shape Memory Medical Promotes Sac Shrinkage: Update On The AAA-SHAPE Study
Michel M.P. Reijnen, MD, PhD
Andrew Holden, MBChB
- 2:00 – 2:05** Update On Long-Term Results From The DREAM RCT Comparing EVAR With Open Repair For AAAs Suitable For Both: Adverse Neck Anatomy (Short, Wide, Angulated) Was Associated With Increased Reintervention And Mortality Rates Equally After Open And Endo Repairs: How Should This Influence Treatment
Jan B. Blankensteijn, MD
- 2:06 – 2:11** Management Of The Internal Iliac Artery With Extensive Aorto-Iliac Aneurysms In The Era Of Iliac Branched Devices: Is There Any Role For Open Surgery
Heron E. Rodriguez, MD
- 2:12 – 2:17** Danger Of Performing EVAR In Patients With Visceral Artery (SMA) Occlusive Disease: What Can Happen And How Should It Be Avoided
Karan Garg, MD
Neal S. Cayne, MD
Carlos H. Timaran, MD
Frank J. Veith, MD
- 2:18 – 2:23** Which AAA Patients Should Get Open Repair (OR) In 2023: Young Healthy Patients With Large AAAs Do Better With OR: But EVAR Outcomes Are Improving While OR Outcomes Are Not
Marc L. Schermerhorn, MD
- 2:24 – 2:30** **Panel Discussion**
- 2:30 – 2:40** **Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 6 (Grand Ballroom East, 3rd Floor)

MORE ABOUT AAAs AND EVAR, STANDARD AND COMPLEX: UPDATES ON THE UK NICE AAA GUIDELINES AND OTHER AORTIC PATHOLOGY

Moderators: *Maarit Venermo, MD, PhD*
Dittmar Böckler, MD
Mark A. Adelman, MD

- 2:40 – 2:45** The Safe-AAA Study Emphasizes The Importance Of Ongoing Surveillance And Continuing EVAR Device Risk: Some EVAR Endografts Have Been Found To Have More Late Risks Than Others
Philip P. Goodney, MD, MS
Eric A. Secemsky, MS, MSc

- 2:46 – 2:51** Review Of All Recent AAA Guidelines: Do They Support Or Refute The NICE AAA Guidelines
Andrew W. Bradbury, MD
- 2:52 – 2:57** How Have The NICE AAA Guidelines Influenced The Performance Of EVAR In The UK: Are The Guidelines Wrong And Can They Be Fixed
Michael P. Jenkins, MBBS, BSc, MS
- 2:58 – 3:03** Why The NICE AAA Guidelines Are The Way They Are: Bias Has Played A Role As It Does In Many Things: Randomized Controlled Trials (RCTs) Can Be Misleading
Frans L. Moll, MD, PhD

TOPICS RELATED TO INFRARENAL AORTIC LESIONS AND AAAs

- 3:04 – 3:09** Spontaneous Infrarenal Acute Aortic Syndrome: What Is It And Why Is It Best Treated With A Unibody Stent-Graft
Felice Pecoraro, MD
- 3:10 – 3:15** Diabetes Versus COVID-19: How Should Both Modify AAA Treatment Or Its Planning
Ronald L. Dalman, MD
- 3:16 – 3: 21** How Does Metformin Work To Slow AAA Growth: Is It The Reason For Decreased AAA Incidence In Diabetes
Kak Khee Yeung, MD, PhD
- 3:22 – 3:27** The Metformin For AAA Growth Inhibition (MAAGI) Multicenter Trial: Design And Preliminary Results: Will The Drug Help In The Treatment Of Small AAAs
Anders Wanhainen, MD, PhD (PowerPoint Presentation With Synched Audio)

TOPICS RELATED TO COMPLEX AORTIC PATHOLOGY

- 3:28 – 3:33** Value Of IVUS In Treating Complex Aortic Pathology
Andres Schanzer, MD
- 3:34 – 3:39** Early Experience With Off-The-Shelf Inner Branch Stent Grafting For Suprarenal AAAs And TAAAs
Dittmar Böckler, MD
- 3:40 – 3:45** With Failed EVAR, When Is F/EVAR The Best Treatment: Tips And Tricks For Performing It Successfully
Andres Schanzer, MD
- 3:46 – 3:56** **Panel Discussion**

SESSION 7 (Grand Ballroom East, 3rd Floor)

MORE NEW DEVELOPMENTS IN THE TREATMENT OF AORTIC AND THORACIC PATHOLOGY; STROKE PREVENTION WITH TEVAR

Moderators: *Mark A. Farber, MD*
Manju Kalra, MBBS
Thomas L. Forbes, MD

- 3:56 – 4:01** How To Predict Failed Proximal EVAR Fixation With Short Necked AAAs So Initial Treatment Should Be With F/EVAR Or Ch/EVAR
Martin R. Back, MD
- 4:02 – 4:07** Update On Prevention Of Gas Emboli And Stroke With TEVAR: How Important Is CO₂ Flushing And Other Measures
Tilo Kölbel, MD, PhD
Stephan Haulon, MD

- 4:08 – 4:13** High Risk Features In Uncomplicated TBAD Patients: How Do We Know They Justify Elective TEVAR
Joseph V. Lombardi, MD
Jeffrey P. Carpenter, MD
- 4:14 – 4:19** Current Role Of Physician Modified Endografts (PMEGs) For Total Endovascular Aortic Arch Repair
Carlos H. Timaran, MD
- 4:20 – 4:25** How To Prevent Bird Beaking And Type I Endoleaks With TEVAR In The Aortic Arch: How To Size TEVAR Grafts Optimally And Does It Matter
Thomas L. Forbes, MD
- 4:26 – 4:31** How Best To Treat TBADs Extending Into The Aortic Arch Or Ascending Aorta: When Open, When Endo, When Hybrid: Technical Tips
I-Hui Wu, MD, PhD
- 4:32 – 4:37** Endovascular Aortic Arch Interventions: Hybrid Options Versus Total Endovascular Repair
Cherrie Z. Abraham, MD
- 4:38 – 4:43** Long-Term (>5 Years) Good Results Of The Medtronic Valiant Captiva Endografts For TEVAR In TBAD Patients: Advantages And Disadvantages
Nimesh Desai, MD, PhD
Joseph E. Bavaria, MD
- 4:44 – 4:49** How To Treat Aortic Dissections With An Entry Tear In The Aortic Arch: Can Ancillary Techniques Help
Santi Trimarchi, MD, PhD
- 4:50 – 4:56** **Panel Discussion**

SESSION 8 (Grand Ballroom East, 3rd Floor)

MORE NEW DEVELOPMENTS REGARDING TBADs AND TEVAR: NATURAL HISTORY; NEED FOR AND TIMING OF TEVAR FOR ACUTE UNCOMPLICATED TBADs

Moderators: *Benjamin W. Starnes, MD*
Jon S. Matsumura, MD
William D. Jordan, Jr., MD

- 4:56 – 5:01** Celiac Artery Orifice Coverage During TEVAR Is Not Always Benign: It Is Often Associated With Visceral Ischemia And Other Poor Outcomes
Richard G.J. Gibbs, FRCS
- 5:02 – 5:07** What Does Endovascular Aortic Repair Do To Cardiac And Coronary Artery Function: Does The Position Of The Graft Make A Difference: Do We Need A Compliant Endograft
Rachel E. Clough, PhD, FRCS

DEBATE ON TREATMENT OF ACUTE UNCOMPLICATED TBADs

- 5:08 – 5:13** **DEBATE:** With Uncomplicated Acute TBADs, The Case For Waiting 2-6 Weeks From Onset For TEVAR And Then Limiting Aortic Coverage
Mark A. Farber, MD
- 5:14 – 5:19** **DEBATE:** With Uncomplicated TBADs, The Case For Early TEVAR With Extensive Aortic Coverage In Most Patients
William D. Jordan, Jr., MD
Bradley G. Leshnower, MD
- 5:20 – 5:25** How To Prevent Abdominal Extension Of The False Lumen And TAAAs With TBADs: Does Early TEVAR Help: What Other Techniques Show Promise
Rodney A. White, MD

- 5:26 – 5:31** The Indication For TEVAR Is More Important Than Its Timing In Predicting Outcomes With Acute Uncomplicated TBAD Patients: When Is Medical Treatment Alone Indicated
Ali Azizzadeh, MD
- 5:32 – 5:37** With TBADs, Is True Lumen Compression Ever So Severe That It Negatively Influences TEVAR Deployment Or Performance: How Can It Be Managed
Sara L. Zettervall, MD, MPH (PowerPoint Presentation With Synched Audio)
Benjamin W. Starnes, MD
- 5:38 – 5:43** With TBADs, Distal Fenestrations Are Important: How Should They Be Treated
Frank R. Arko, MD
- 5:44 – 5:49** Hybrid Surgical And Endovascular Staged Approaches For The Treatment Of Complex Aneurysmal Lesions Involving The Thoracic Aorta
Francesco Setacci, MD
- 5:50 – 5:55** Re-Entry Specific Endovascular Therapy (RESET), i.e. TEVAR Plus Dealing With Re-Entry Tears: It Promotes False Lumen Thrombosis, Aortic Remodeling And Improves Outcomes: How To Do It
Jean M. Panneton, MD
- 5:56 – 6:02** **Panel Discussion**
End of Program A

PROGRAM B (SESSIONS 9-16)
PROGRESS IN VASCULAR ROBOTICS, GUIDANCE SYSTEMS, LAPAROSCOPY, SIMULATION AND COVID; NEW DEVELOPMENTS IN CAROTID DISEASE AND ACUTE STROKE TREATMENT; ABDOMINAL AORTIC BRANCH TREATMENT; NEW TECHNOLOGY CONCEPTS AND ARTIFICIAL INTELLIGENCE (AI); VASCULAR SURGERY IDENTITY, TRAINING, MANPOWER AND MENTORSHIP; UPDATES ON OPEN AND HYBRID VASCULAR SURGERY AND TREATMENT OF AORTIC COARCTATION

Grand Ballroom West, 3rd Floor

- 6:47 – 6:50** Opening Remarks
Enrico Ascher, MD

SESSION 9 (Grand Ballroom West, 3rd Floor)
PROGRESS IN VASCULAR ROBOTICS, LAPAROSCOPY, GUIDANCE SYSTEMS AND SIMULATION

Moderators: *Willem Wisselink, MD*
Barry T. Katzen, MD

- 6:50 – 6:55** How Can Ex Vivo Training With Simulators Decrease Vascular Complications And Improve Outcomes
Michael E. Barfield, MD
- 6:56 – 7:01** Laparoscopic Aortic Surgery: How I Did It Routinely And Why I Stopped After More Than 150 Cases
Laurent Chiche, MD
- 7:02 – 7:07** 25 Years Of Robotic Vascular Surgery: If It Is So good, Why Isn't It Mainstream Now
Willem Wisselink, MD

7:08 – 7:13 Focus On Radiation Protection During Simulation-Based Training Improves Both Correct Behavior And Procedural Performance: Proven By A Randomized Comparison
Lars B. Lonn, MD, PhD (PowerPoint Presentation With Synched Audio)

7:14 – 7:19 Inside Out: Next Generation Technology That Transmits Physical Intelligence And Parameters Continuously From Within The Patient: How Will It Help In Vascular Treatment
Barry T. Katzen, MD

RADIATION REDUCING IMAGING GUIDANCE TECHNIQUES

7:20 – 7:25 True Radiation Reduction Strategies For Complex Endovascular Procedures: FORS, Digital Zooming, IVUS, And Live Fusion Guidance
Carlos H. Timaran, MD

7:26 – 7:31 Updated Experience With The Fiberoptic 3D Endovascular Guidance With The Fiberoptic RealShape (FORS) System (From Philips): Advantages And Limitations
Joost A. van Herwaarden, MD, PhD

7:32 – 7:37 Update On The 3D Radiation Free Electromagnetic Intraoperative Positioning System (IOPS) From Centerline For Endovascular Guidance: Advantages And Limitations
Francis Caputo, MD
Matthew J. Eagleton, MD

7:38 – 7:43 New Findings Related To The Incidence Of Cancer After EVAR: What Causes It And How Can It Be Reduced
Dittmar Böckler, MD

7:44 – 7:50 **Panel Discussion**

SESSION 10 (Grand Ballroom West, 3rd Floor)

NEW DEVELOPMENTS IN CAROTID DISEASE AND ITS TREATMENT; DIFFERING VIEWS ON TREATMENT OF ASYMPTOMATIC CAROTID STENOSIS (ACS) AND CAROTID SCREENING

Moderators: *Ali F. AbuRahma, MD*
Bruce A. Perler, MD, MBA

7:50 – 7:55 Update On International Variations In Carotid Stenosis Treatment Within Countries And Between Countries Is Huge Despite All The RCTs On Which They Are Based Being The Same: What Are The Implications
Maarit Venermo, MD, PhD

7:56 – 8:01 Current Optimal Treatment For Carotid Artery Dissection: When Best Medical Therapy (BMT), When Open Surgery, When Carotid Stenting (CAS) With Proximal Embolic Protection
Felice Pecoraro, MD

8:02 – 8:07 Intracranial Imaging For Strokes With A Newly Developed Imaging Platform Using Artificial Intelligence To Integrate All Forms Of Imaging To Facilitate Patient Care: The Viz.ai System
Allan L. Brook, MD

8:08 – 8:13 Value Of Advanced Imaging In The Diagnosis And Treatment Of Near Total Occlusions And String Signs Of The Internal Carotid Artery (ICA): How Are They Best Treated: When Conservatively; When Invasively By CEA; By CAS
Christos D. Liapis, MD

8:14 – 8:19 What Is Carotid Near Occlusion: When And How Is It Best Treated Currently: Conservatively, CEA, CAS In Symptomatic Patients: In Asymptomatic Patients
Weiguo Fu, MD

8:20 – 8:26 **Panel Discussion**

DIFFERING VIEWS ON TREATMENT OF ACS AND REIMBURSEMENT POLICY

8:26 – 8:31 **DEBATE:** ALL Asymptomatic Carotid Stenosis (ACS) Patients Are Best Treated Medically: Invasive Treatment Causes More Harm Than Good And Should Not Be Reimbursed
Anne L. Abbott, MD, PhD

8:32 – 8:37 **DEBATE:** Not So: About 25% Of ACS Patients Can Benefit From CEA Or CAS And Should Be So Treated And Reimbursed Accordingly
Bruce A. Perler, MD, MBA

8:38 – 8:43 **DEBATE:** Both Views Are Wrong: Severe Carotid Stenosis Has Declined As A Cause Of Ischemic Stroke To <1% Per Year: So <5% Of ACS Patients Should Be Treated Invasively
Robert W. Chang, MD

DIFFERING VIEWS ON CAROTID SCREENING

8:44 – 8:49 A Tribute To George S. Lavenson, MD (1932-2023) And His Case For Widespread Carotid Screening
Benjamin W. Starnes, MD

8:50 – 8:55 The Case Against Carotid Screening: It Leads To Unneeded And Possibly Harmful Treatment
Anne L. Abbott, MD, PhD

8:56 – 9:01 Screening For ACS And Common Femoral Artery Disease: How Can It Guide Lipid Treatment: How Low Should LDL-Cholesterol (LDL-C) Be Pushed And What Will It Do To Carotid Plaques
Stavros Kakkos, MD
Andrew N. Nicolaides, MS, FRCS

9:02 – 9:07 What Are The Effects Of A Minor Stroke With Apparent Full Recovery: Minor Strokes Are By No Means Minor: Why Is This Important In Evaluating The Conclusions Of RCTs
Emmanuel M. Houdart, MD

9:08 – 9:15 **Panel Discussion**

9:15 – 9:30 **Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 11 (Grand Ballroom West, 3rd Floor)

MORE ABOUT CAROTID AND VERTEBRAL DISEASE: UPDATE ON INVASIVE TREATMENT FOR ACUTE STROKES

Moderators: *Klaus D. Mathias, MD*
Allan L. Brook, MD

9:30 – 9:35 Carotid Artery Aneurysms: What Etiologies Cause Them; When Is Endovascular Treatment Best And Technical Tips For Doing So Successfully
Peter L. Faries, MD

9:36 – 9:41 When After An Acute Stroke With Thrombolysis Treatment, Or Without, Should Carotid Endarterectomy (CEA) Be Performed: Delay Has Consequences: But CEA Within 48 Hours Of Symptom Onset Has A Higher Complication Rate
Maarit Venermo, MD, PhD

- 9:42 – 9:47** After Thrombolysis And/Or Mechanical Thrombectomy For An Acute Stroke In Patients With Carotid Stenosis, Which Invasive Treatment (CEA Or CAS) Is Best And When Should It Be Performed
Laura Capoccia, MD, PhD
- 9:48 – 9:53** With Acute Strokes, What Is New With Endovascular Intracranial Techniques For Arterial Clot Removal: How Can Artificial Intelligence (AI) And Intraarterial Thrombolysis With Alteplase (Genentech) Help – What Is Happening With The CHOICE RCT
Adnan H. Siddiqui, MD, PhD
L. Nelson Hopkins, MD
- 9:54 – 9:59** How Does Temporal Access And A Through And Through Femoral Wire Facilitate CAS With A Difficult Aortic Arch: Technical Tips And Results
Piotr Myrcha, MD, PhD
- 10:00-10:05** Update On Acute Stroke Interventions: Challenging Cases And Tips For Treating Them Successfully
Kolja Sievert, MD
Horst Sievert, MD
- 10:06-10:11** How Best To Treat An ICA Occlusion With Distal Embolization: Sequence And Timing Of Treatment: Site Of Treatment (OR Versus Angio Suite Versus Hybrid Room): Technical Tips
Adnan H. Siddiqui, MD, PhD
L. Nelson Hopkins, MD
- 10:12-10:17** Outcomes Of Carotid Interventions (CEA And CAS) In Women And Younger Patients: How And Why Do They Differ From Those In Men And Older Patients
Caron B. Rockman, MD
- 10:18-10:23** Update On Endovascular Interventions In The Vertebrobasilar System For Acute Strokes: A New Horizon, What Is Involved And Results
Ivo Petrov, MD, PhD
- 10:24-10:30** **Panel Discussion**

SESSION 12 (Grand Ballroom West, 3rd Floor)

PROGRESS IN THE TREATMENT OF AORTIC AND AORTO-ILIAC OCCLUSIVE DISEASE

Moderators: *Daniel G. Clair, MD*
Wayne W. Zhang, MD
Zhong Chen, MD

- 10:30-10:35** Life Altering Events After Endovascular Aortic Repairs Include Death, Dialysis, Paralysis Or Stroke: The Incidence Of These Events Varies Markedly Depending On The Level Of Repair
Marc L. Schermerhorn, MD
- 10:36-10:41** Hidden Tricks For Diagnosing Iliac Endofibrosis In Professional Cyclists: Diagnosis Can Be Challenging And Require Unusual Techniques
Gabriel Szendro, MD (PowerPoint Presentation With Synched Audio)
- 10:42-10:47** 5-Year Update On The Value Of VBX Balloon Expandable Covered Stents In Treating Complex Aorto-Iliac Occlusive Disease: Advantages And Limitations: When And How Does Shockwave Lithotripsy Help
Andrew Holden, MBChB
- 10:48-10:53** Value And Limitations Of The iCast Balloon Expandable Covered Stent (From Getinge) Recently FDA Approved For Treating Iliac Artery Lesions
Jean M. Panneton, MD

**COVERED ENDOVASCULAR RECONSTRUCTION OF
THE AORTIC BIFURCATION (CERAB) PROCEDURE**

- 10:54–10:59** Long-Term Outcomes Of The CERAB Procedure With Covered Stents For Complex Aorto-Iliac Occlusive Disease: Why It Is Better Than Kissing Bare Stents: Which Stent Should We Use
Michel M.P. Reijnen, MD, PhD
Peter C.J. Goverde, MD, PhD
- 11:00–11:05** The CERAB Technique: From A Niche Procedure To A Better General Solution For Complex Aorto-Iliac Occlusive Disease Based On The 2-Year Results Of The Multicenter BeGlory Registry
Maria A. Ruffino, MD
- 11:06–11:11** Value Of Shockwave Intravascular Lithotripsy (IVL) For Calcified Aorto-Iliac Occlusive Disease Treatment And For Facilitating Large Bore Access With Narrowed Calcified Iliac Arteries
Daniel G. Clair, MD
- 11:12–11:17** **Panel Discussion**
- 11:18–11:23** Impact Of Female Gender On Outcomes Of Endovascular Treatment Of Aorto-Iliac Occlusive Disease: When Is Open Repair Indicated
Franco Grego, MD
- 11:24–11:29** Treatment Of Infrarenal And Pararenal Aortic Stenosis: When Stents; When Stent-Grafts; When Open Bypass: Why Results Are Worse In Women
Sigrid Nikol, MD
- 11:30–11:35** Endovascular Treatment Of Aorto-Iliac Occlusions With Impotence (Leriche Syndrome): Long-Term Results: Is Open Repair Ever Needed
Sonia Ronchey, MD, PhD
- 11:36–11:41** **DEBATE:** How To Treat Chronic Flush Juxtarenal Aortic Occlusions Endovascularly With Safety: Endo Is The Way To Go
David Minion, MD
- 11:42–11:47** **DEBATE:** Not So: Open Or Hybrid Repairs Are Best For Complex Juxtarenal Aorto-Iliac Occlusive Disease: Technical Tips
Yamume Tshomba, MD
- 11:48–11:53** What Is New In The Treatment Of External Iliac Artery Endofibrosis In Committed Cyclists: Is There A Role For Endovascular Treatment
Margaret Tracci, MD, JD
Kenneth J. Cherry, MD
- 11:54–12:00** **Panel Discussion**
- 12:00 – 1:00** **Lunch Break – Rhinelander Gallery, 2nd Floor**
Visit Exhibits And Pavilions (2nd and 3rd Floors)

SESSION 13 (Grand Ballroom West, 3rd Floor)

**NEW CONCEPTS, MACHINE LEARNING AND
ARTIFICIAL INTELLIGENCE (AI)**
(SEE ALSO SESSION 87)

Moderators: *Barry T. Katzen, MD*
Kak Khee Yeung, MD, PhD

- 1:00 – 1:05** What Is Big Data In Vascular Surgery: How Can It Be Used With Artificial Intelligence (AI) In Evidence Based Medicine: How Can It Replace Randomized Controlled Trials (RCTs)
Jean-Baptiste Ricco, MD, PhD

- 1:06 – 1:11** Will Big Data Enhance Vascular Care
Michael R. Jaff, DO
- 1:12 – 1:17** Enhancing Clinical Decision Making In AAA Diagnosis And Treatment With AI: How Can It Help With Prediction Of AAA Growth, Endoleaks And Spinal Cord Ischemia
Kak Khee Yeung, MD, PhD
- 1:18 – 1:23** Update On How Vascular Treatment Will Intersect With Other New Technologies: Wearable Trackers, AI, And Using CT Scans To Predict Plaque Histology (ElucidVivo)
David H. Deaton, MD
- 1:24 – 1:29** How Does An AI Based Prediction Of Rupture Risk Compare With Size Based Predictions
Jes S. Lindholt, MD
- 1:30 – 1:35** Is Image Fusion Guidance For Complex And Simple Aortic Procedures Really Worthwhile And Cost Effective: Why Is It A Question And Do We Need A Trial
Rachel E. Clough, PhD, FRCS
- 1:36 – 1:41** How Can AI Facilitate Assessment After EVAR And F/B/EVAR: Are Volume Measurements Before And After Endo Repairs Necessary
Stephan Haulon, MD
- 1:42 – 1:47** High Fidelity Computational Modeling To Help With Decision Making In Carotid Stenosis
Santi Trimarchi, MD, PhD
- 1:48 – 1:53** Update On Siemens I-Flow: A New Intelligent Technology To Improve The Endo Treatment Of Lower Extremity Occlusive Disease
Ravi K. Veeraswamy, MD
- 1:54 – 1:59** For The Novice, How In Simple Terms Do The FORS, IOPS And Cydar Guidance Systems Work To Improve Endovascular Procedures And Reduce Radiation Exposure
Mark A. Adelman, MD
- 2:00 – 2:05** How Can AI Help In The Treatment Of Aorto-Iliac Occlusive Disease
Peter C.J. Goverde, MD (PowerPoint Presentation With Synched Audio)

2:06 – 2:12 Panel Discussion

SESSION 14 (Grand Ballroom West, 3rd Floor)

PART 1: VASCULAR SURGERY'S NUMBERS AND IDENTITY AND HOW TO MEET THE SPECIALTY'S NEEDS FOR ITS SERVICES; THE IMPORTANCE OF MENTORSHIP IN VASCULAR SURGERY

PART 2: LATE BREAKING DEVELOPMENTS IN COVID RELATED VASCULAR DISEASE ISSUES

Moderators: *Dawn M. Coleman, MD*

Jerry Goldstone, MD

PART 1 – VASCULAR SURGERY'S NUMBERS AND IDENTITY AND HOW TO MEET THE SPECIALTY'S NEEDS FOR ITS SERVICES; THE IMPORTANCE OF MENTORSHIP IN VASCULAR SURGERY

- 2:12 – 2:17** What Makes Vascular Surgery Different, Are There Insufficient Numbers Of Vascular Trainees And Surgeons: How To Improve Our Identity And Recognition And Expand Our Numbers
Evan C. Lipsitz, MD, MBA

- 2:18 – 2:23** Update On Applicants For 0+5 And 5+2 Vascular Surgery Training Programs: The Number Of Applicants Is Up: What About Their Quality: Do We Need More Programs
Peter L. Faries, MD
Dawn M. Coleman, MD
- 2:24 – 2:29** Increased Diversity In Vascular Surgery And Will It Improve The Shortage Of Vascular Surgeons
Dawn M. Coleman, MD
- 2:30 – 2:35** How To Improve Vascular Surgery Stature And Well-Being Within An Institution By Transforming It Into Its Own Freestanding Department: What Benefits Accrue
Jeffrey H. Hsu, MD
- 2:36 – 2:41** Progress Made By The American Board Of Vascular Surgery (ABVS) In The Last Several Years: Do We Still Need An Independent Board And How Should We Achieve It
Alan M. Dietzek, MD
- 2:42 – 2:47** The Importance Of Mentorship In Vascular Surgery: How Best To Achieve It
Malachi Sheahan, MD
- 2:48 – 2:53** **Panel Discussion**
- PART 2 – LATE BREAKING DEVELOPMENTS IN COVID RELATED VASCULAR DISEASE ISSUES**
- 2:54 – 2:59** Current Developments In COVID-19 Prevention And Treatment: How Effective Are Current Vaccines, Boosters And Antiviral Therapies: Status Of Intranasal Vaccines And Antivirals: What Is New And What Is In The Pipeline
Clayton J. Brinster, MD
- 3:00 – 3:05** Timing Of A Major Operative Intervention After A Positive COVID-19 Test Affects Postoperative Mortality: When To Retest And When Best To Intervene
Panos Kougias, MD, MSc
- 3:06 – 3:11** COVID-19 Associated Arterial Events Are Worse In Non-Vaccinated Individuals: What Is The Role And Effectiveness Of Endovascular Therapy
Michel Makaroun, MD
- 3:12 – 3:17** Is The COVID-19 Pandemic Behind Us: What We Know About Herd Immunity And The Lasting Effects Of Long COVID
Clayton J. Brinster, MD
- 3:18 – 3:23** **Panel Discussion**
- 3:24 – 3:36** **Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 15 (Grand Ballroom West, 3rd Floor)

PROGRESS IN THE TREATMENT OF VISCERAL AND RENAL ARTERY DISEASE

Moderators: James C. Stanley, MD
Michael C. Dalsing, MD

- 3:36 – 3:41** **DEBATE:** All Visceral And Renal Artery Aneurysms Can Be Treated Endovascularly: Bare Stent Flow Diverters Are The New Frontier In Their Treatment
Maria A. Ruffino, MD
- 3:42 – 3:47** **DEBATE:** Open Treatment Of Visceral And Renal Artery Aneurysms Is Sometimes Best: When Is This So
Timur P. Sarac, MD

- 3:48 – 3:53** Optimal Current Treatment Of Renal Artery Aneurysms: When Endo; When Open; Technical Tips
Fred A. Weaver, MD, MMM
- 3:54 – 3:59** The Vascular Low Frequency Consortium: What Is It And What Management Changing Information Does It Tell Us About The Size When Renal Artery Aneurysms Become Dangerous: It Is >3 cm In Diameter
Peter F. Lawrence, MD
- 4:00 – 4:05** Best Endovascular Techniques To Exclude Large Renal And Visceral Aneurysms
Jacques Busquet, MD
- 4:06 – 4:11** Update On The New SVS Practice Guidelines For Treating Visceral Artery Aneurysms; When Endo; When Open
Rabih A. Chaer, MD
- 4:12 – 4:17** Retrograde Open Mesenteric Stenting (ROMS): It Is Indicated With Peritoneal Signs And When Prograde Stenting Is Not Possible: Tips To Gain Retrograde Access To The SMA
Richard J. Powell, MD
- 4:18 – 4:23** With Acute Mesenteric Ischemia With Necrotic Bowel, Open Treatment With SMA Bypass Using A Deep Vein Conduit Is An Option
Patrick A. Stone, MD
- 4:24 – 4:29** Technical Tips For Recanalizing Long Complex Visceral Artery (SMA) Occlusions
Armando Mansilha, MD, PhD
- 4:30 – 4:36** **Panel Discussion**

SESSION 16 (Grand Ballroom West, 3rd Floor)

UPDATE ON OPEN VASCULAR SURGICAL AND HYBRID PROCEDURES; PROGRESS IN THE TREATMENT OF AORTIC COARCTATIONS

Moderators: *Linda M. Harris, MD*
Keith D. Calligaro, MD

OPEN AND HYBRID VASCULAR SURGERY

- 4:36 – 4:41** Open Conversion For Failing Suprarenal And Thoracic Endovascular Repairs: When Is Endo Rescue Not Possible And Open Conversion Necessary: Technical Tips
Francis J. Caputo, MD
- 4:42 – 4:47** When Is Open Treatment Of Complex Aorto-Iliac Occlusive Disease Best: Tips And Tricks For Doing It Safely In The Endovascular Era
Timur P. Sarac, MD
- 4:48 – 4:53** Technical Tips For Open Retroperitoneal Exposure Of The Aorta And All Its Abdominal Branches; How To Do A Retroperitoneal Aorto-Bifemoral Bypass
Kamphol Laohapensang, MD
- 4:54 – 4:59** Use Of Minimal Incisions For Retroperitoneal Aorto-Bifemoral Bypass And Other Procedures: Technical Tips And Limitations
Robert M. Proczka, MD, PhD
- 5:00 – 5:05** Duplex Surveillance Should Be Used After All Open Aorto-Bifemoral Bypasses: How Does It Improve Outcomes
Keith D. Calligaro, MD

- 5:06 – 5:11** Open Treatment Of Infected Aortic Grafts And Endografts By Replacing Them With Rifampin Soaked Dacron Or Cryopreserved Aortic Conduits: When Is Which Treatment Appropriate, And Results
Manju Kalra, MBBS
- 5:12 – 5:17** Update On Renal Consequences Of Left Renal Vein Division During Open AAA Repair: It Is Not Always Benign
Kimihiro Komori, MD, PhD
- 5:18 – 5:23** Open And Endovascular Treatment Of Intestinal, Renal, And Lumbar Artery Aneurysms In Children
James C. Stanley, MD
- 5:24 – 5:30** **Panel Discussion**
- UPDATE ON COARCTATION TREATMENT**
- 5:30 – 5:35** Endovascular Repair Of Aortic Coarctation: Balloon Angioplasty Versus Bare Stents Versus Covered Stents And When Is Open Repair Necessary
Tilo Kölbel, MD, PhD
- 5:36 – 5:41** Update On The Experience With BeGrafts (From Bentley), A Balloon Expandable Covered Stent For Treating Aortic Coarctations: Advantages And Limitations
Elchanan Bruckheimer, MBBS (PowerPoint Presentation With Synched Audio)
- 5:42 – 5:47** Positive Remodeling In The Ascending Aorta As Well As Distally After TEVAR Treatment Of Aortic Coarctations
Frank R. Arko, MD
- 5:48 – 5:53** Axillo-Unifemoral And Axillo-Bifemoral Bypasses Have Equal Patency For More Than A Year: Why The Bilateral Procedure Should Only Be Used When Bilateral Ischemia Exists
Jeffrey J. Siracuse, MD, RPVI
- 5:54 – 5:59** **Panel Discussion**
End of Program B

PROGRAM C-1 (SESSIONS 17-18)
**MANAGEMENT OF PULMONARY EMBOLISM:
THE ULTIMATE TEAM APPROACH**

Trianon Ballroom, 3rd Floor

Course Leader: **Michael R. Jaff, DO**

SESSION 17 (Trianon Ballroom, 3rd Floor)

**MANAGEMENT OF PULMONARY EMBOLISM:
THE ULTIMATE TEAM APPROACH – PART 1**

Moderator: **Michael R. Jaff, DO**

- 7:00 – 7:05** Introduction To The Symposium
Frank J. Veith, MD
- 7:05 – 7:15** Welcome And Introduction
Michael R. Jaff, DO
- 7:15 – 7:25** The Basics Of Pulmonary Embolism Diagnosis: What Is The Role Of The History, Exam, Biomarkers
Ido Weinberg, MD, MSc
- 7:25 – 7:35** Do We Need An Echocardiogram To Manage Acute Submassive PE
David M. Dudzinski, MD
- 7:35 – 7:45** Advanced Imaging For PE: How To Interpret The CT PE On The Run
Brian B. Ghoshhajra, MD, MBA

- 7:45 – 7:55** Testing For Cancer And Other Hypercoagulable States In PE: Why, When, And What Tests
Rachel Rosovsky, MD, MPH
- 7:55 – 8:10** Medical Treatment Of PE: When, Why, For How Long, And How Can I Remember
Luis H. Eraso, MD
- 8:10 – 8:20** Intravenous Thrombolytic Therapy For PE: Does This Replace Catheter-Based Therapies
Jay Giri, MD, MPH
- 8:20 – 8:35** An Overview Of Technologies For Management Of High-Risk PE
Eric A. Secemsky, MD, MSc
- 8:35 – 8:45** Ultrasound-Assisted Pharmacomechanical Thrombectomy: Does This Really Work
Kush R. Desai, MD
- 8:45 – 8:55** Percutaneous Mechanical Thrombectomy Without Lytics: The Indigo System
Robert A. Lookstein, MD, MHCDL
- 8:55 – 9:05** Percutaneous Mechanical Thrombectomy Without Lytics: The Flowtrier System
Mitchell D. Weinberg, MD
- 9:05 – 9:15** Large Bore Aspiration Thrombectomy: Tips, Tricks And Pearls
Ripal T. Gandhi, MD
- 9:15 – 9:25** The Big Trials In PE: What's Running, What's Starting, What Will They Tell Us
Gary M. Ansel, MD
- 9:25 – 9:40** **Panel Discussion**
Moderator: Michael R. Jaff, DO
Panelists: Gary M. Ansel, MD
Kush R. Desai, MD
Luis H. Eraso, MD
Brian B. Ghoshhajra, MD, MBA
Jay Giri, MD, MPH
Raghu Kolluri, MD
Robert A. Lookstein, MD, MHCDL
Rachel Rosovsky, MD, MPH
Eric A. Secemsky, MD, MSc
Ido Weinberg, MD, MSc
Mitchell D. Weinberg, MD
- 9:40 - 10:10** **Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 18 (Trianon Ballroom, 3rd Floor)
**MANAGEMENT OF PULMONARY EMBOLISM:
THE ULTIMATE TEAM APPROACH – PART 2**

Moderator: Michael R. Jaff, DO

- 10:10-10:20** Contemporary Endovascular Strategies For Treatment Of Massive PE
Christopher J. Kwolek, MD, MBA
- 10:20-10:30** ECMO-Assisted Pulmonary Embolectomy In Massive PE: Can It Replace Open Surgical Thrombolectomy
Animesh Rathore, MD
- 10:30-10:40** Is There Anything New In Vena Cava Filters In PE Treatment
John A. Kaufman, MD, MS
- 10:40-10:55** Your Referring Docs Think Heparin Is All They Need To Offer For PE – How To Tell The Intervention Story
Patrick Troy, MD

10:55–11:10 Pulmonary Denervation: A New Frontier In The Treatment Of Pulmonary Hypertension
Mark G. Davies, MD

11:10–11:25 Balloon Pulmonary Angioplasty For Chronic Thromboembolic Pulmonary Hypertension: Has This Become Mainstream
Kenneth Rosenfield, MD

11:25–11:35 The Team Approach To PE Management: The National PERT Consortium
William B. Keeling, MD

11:35–12:00 Challenging The Experts: Interactive Q&A
Moderator: *Michael R. Jaff, DO*

Panelists: Mark G. Davies, MD
Kush R. Desai, MD
Jay Giri, MD, MPH
Robert A. Lookstein, MD, MHCDL
John A. Kaufman, MD, MS
William B. Keeling, MD
Christopher J. Kwolek, MD, MBA
Animesh Rathore, MD
Kenneth Rosenfield, MD
Eric A. Secemsky, MD, MSc
Patrick Troy, MD
Ido Weinberg, MD, MSc

12:00 – 1:00 **Lunch Break – Rhinelander Gallery, 2nd Floor**
Visit Exhibits And Pavilions (2nd and 3rd Floors)
End of Program C-1

PROGRAM C-2 (SESSIONS 19-22)
INTERESTING TOPICS RELATED TO LOWER
EXTREMITY OCCLUSIVE DISEASE AND ITS
TREATMENTS

Trianon Ballroom, 3rd Floor

SESSION 19 (Trianon Ballroom, 3rd Floor)

HOT NEW TOPICS RELATED TO LOWER
EXTREMITY OCCLUSIVE DISEASE AND ITS
TREATMENTS

Moderators: *Cynthia K. Shortell, MD*
Joseph L. Mills, MD

1:00 – 1:05 Key Points From The SVS Appropriate Use Criteria For Management Of Intermittent Claudication: Are Invasive Treatments Being Overused And Will These Criteria Help
Jessica P. Simons, MD, MPH
Karen Woo, MD, PhD

1:06 – 1:11 What Are The Dangers Of Working In An Office Based Lab (OBL): Why I Chose Not To Work There
Dipankar Mukherjee, MD

1:12 – 1:17 Real Five-Year Single Center Results With Atherectomy For De Novo Lower Extremity Lesions And In Stent Restenosis: How Good Or Bad Are They
Russell H. Samson, MD

1:18 – 1:23 Intravascular Lithotripsy (From Shockwave) For Peripheral Arterial Occlusive Lesions: What Are The New Systems (L6 And M5+) For Delivering And What Are The Advantages
Andrew Holden, MBChB

1:24 – 1:29 How Do SoundBite Wires (From SoundBite Medical) Help To Cross Calcified Lesions, Especially BTK: Updated Experience
Marianne Brodmann, MD

- 1:30 – 1:35** Alternate Anatomic Approaches To Lower Extremity Arteries When Standard Approaches Are Prevented By Scarring Or Infection
Neal S. Cayne, MD
- 1:36 – 1:41** Updated Status And Prospects For Sirolimus Coated Devices And Bioresorbable Stents ATK And BTK
Marianne Brodmann, MD
- 1:42 – 1:47** Advances In Deep Venous Arterialization Techniques: Better Access, Procedure Maintenance And Wound Care Matter For Limb Salvage In No Option CLTI Patients
Anahita Dua, MD, MS, MBA
- 1:48 – 2:04** **Panel Discussion**

SESSION 20 (Trianon Ballroom, 3rd Floor)

MORE HOT NEW TOPICS RELATED TO LOWER EXTREMITY OCCLUSIVE DISEASE AND ITS TREATMENT

Moderators: *Vincent I. Rowe, MD*
Marianne Brodmann, MD

- 2:04 – 2:09** How To Train Vascular Surgeons In Distal Bypass Procedures In 2023: How Many Cases Are Needed To Achieve Competence
Francesco Spinelli, MD
- 2:10 – 2:15** Novel Uses Of Selective Superficial Venous Arterialization To Achieve Lower Limb Salvage: Techniques, Indications, Precautions And Results
John M. Felder, MD
Patrick J. Geraghty, MD
- 2:16 – 2:21** Coagulation Testing To Allow Optimal Thromboprophylaxis And Decrease Thrombosis Rates In Lower Extremity Grafts And Stents
Anahita Dua, MD, MS, MBA
- 2:22 – 2:27** Fractional Flow Reserve (FFR) In Claudicants And CLTI Patients: The Value Of Physiology Over Anatomy In The Fempop Segment
Konstantinos Katsanos, MD, PhD, MSc
- 2:28 – 2:33** Pedal Acceleration Time (PAT): What Is It And Its Feasibility And Utility As An Assessment Tool For Limb Ischemia And Adequacy Of Revascularization Procedures
Vincent I. Rowe, MD
- 2:34 – 2:39** What Are The Best Ways To Evaluate CLTI Treatment Outcomes: Physiology (ABIs And PVRs), Wound Healing, Anatomy (Angiography Or Ultrasound), MACE Or MALE: Why It Matters
Ido Weinberg, MD, MSc
Mitchell D. Weinberg, MD
- 2:40 – 2:45** For Intermittent Claudication, What Endovascular Revascularization Strategies Are Currently Justified For Aortoiliac And Femoropopliteal Artery Disease: From A Meta-Analysis
Iris Baumgartner, MD
- 2:46 – 2:52** **Panel Discussion**
- 2:52 – 3:00** **Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 21 (Trianon Ballroom, 3rd Floor)

HOT NEW TOPICS RELATED TO LOWER EXTREMITY OCCLUSIVE DISEASE

Moderators: *Neal S. Cayne, MD*
Gary M. Ansel, MD

- 3:00 – 3:05** Pillars For Success With Radial Artery Access For Remote Visceral, Renal Or Lower Extremity Lesion Treatment
Marcelo Guimaraes, MD, MBA
- 3:06 – 3:11** Value And Technical Tips To Make The Supera Stent Work In Tortuous And Angulated Non-SFA Lesion Locations
Rajiv Parakh, MBBS, MS
- 3:12 – 3:17** Non-Aspiration Based Mechanical Thrombo-Embolectomy With The Pounce (From Surmodics) Or Rotarex (From BD) Devices: How Do They Work And What Will Their Role Be In Treating Acute Limb Ischemia
Gary M. Ansel, MD
- 3:18 – 3:23** Pedal Bypass As A Bail Out After Failed Or Compromised Retrograde Access: Rescuing A Threatened Limb After Bridges Burned
Palma M. Shaw, MD, MBA
- 3:24 – 3:29** Technical Tips For A Successful BTK Intervention In Patients With CLTI Including How To Perform An Antegrade Femoral Artery Puncture And Pass The Guidewire Into The SFA
Ali Amin, MD, RVT
- 3:30 – 3:35** Tips And Tricks To Make Distal Bypasses Work In The Endo Era: When If Ever Might In Situ Techniques Be Worth The Effort
Kellie R. Brown, MD
- 3:36 – 3:41** Local Anesthetic Injection Into Lesion Site Facilitates PTA And Stent Placement: How To Do It (Video Presentation)
Andrej Schmidt, MD
- 3:42 – 3:47** **Panel Discussion**
- 3:47 – 3:52** Does Atherectomy Still Have Value After Shockwave Lithotripsy Treatment Of A Calcified Occlusive Lesion
Lawrence A. Garcia, MD
- 3:53 – 3:58** When Should Common Femoral Occlusive Disease Be Treated Endovascularly Based On The CONFESS Trial
Hany Zayed, MD
- 3:59 – 4:04** The Deeper Limus Trial Using A Limus Coated Temporary Spur Balloon (From Reflow Medical): How Does The Device Work And Preliminary Results
Marianne Brodmann, MD
- 4:05 – 4:10** Heel Ulceration And Ischemic Gangrene Involving The Achilles Tendon Should Not Be An Indication For A BTK Amputation: Revascularization And Appropriate Local Treatment Can Save Such A Limb
Mark G. Davies, MD
- 4:11 – 4:16** Popliteal Artery-To-Distal Bypass For Limb Salvage; Status In 2023: Technical Tips And Value: When Is It Better Than Endovascular Treatments
Francesco Spinelli, MD
- 4:17 – 4:23** **Panel Discussion**

SESSION 22 (Trianon Ballroom, 3rd Floor)

MORE HOT NEW TOPICS RELATED TO LOWER EXTREMITY OCCLUSIVE DISEASE AND CHRONIC LIMB THREATENING ISCHEMIA (CLTI)

Moderators: *Brian G. DeRubertis, MD*
Caitlin W. Hicks, MD, MS

- 4:24 – 4:29** CLTI Is A Global Epidemic; How Can A CLTI Program Decrease Its Morbidity
Barry T. Katzen, MD
- 4:30 – 4:35** Open And Endo Revascularization In Young Patients With PAD: What Works, What Doesn't, What Factors Impact Outcomes And How Should Treatment Be Modified
William P. Robinson, MD
- 4:36 – 4:41** Is BEST-CLI Best For CLTI Patients And Interventional Treatments
Lawrence A. Garcia, MD
- 4:42 – 4:47** Intravascular Lithotripsy And DCB Versus DCB Alone In The Treatment Of Infrapopliteal Lesions In Diabetics: Rationale And Design Of The DEBATE-BTK SHOCK RCT And Early Results
Francesco Liistro, MD
- 4:48 – 4:53** How To Size Lower Extremity Target Arteries For Endo Treatments Accurately Using Intravascular Ultrasound (IVUS): How Does It Help
Jos C. van den Berg, MD, PhD
- 4:54 – 4:59** Lower Extremity Interventions (PTA, Stents, Atherectomy) Under IVUS Guidance: Its Costs, Advantages And Limitations
Ignacio Escotto, MD
- 5:00 – 5:06** **Panel Discussion**
- 5:06 – 5:11** Overuse, Misuse, And Just Plain Inappropriate Use Of Lower Extremity And Other Endovascular Procedures: How Should The Vascular Community Police Itself To Prevent Such Procedures
Michael S. Conte, MD
- 5:12 – 5:17** Experience With >1500 Retrograde Recanalization For Chronic Total Occlusions (CTOs); What Predicts Technical Success And What Predicts Periprocedural Complications: Are Reentry Devices Ever Helpful
Erwin Blessing, MD
- 5:18 – 5:23** How To Avoid Or Manage Unexpected Catastrophes When Treating CLTI In The Operating Room Or Angio Suite
Robert B. McLafferty, MD, MBA
- 5:24 – 5:29** Tibial Interventions For Intermittent Claudication: An Ethical And Professional Challenge For All Vascular Specialists And The Vascular Community
Michael S. Conte, MD
- 5:30 – 5:35** A New Technology (From AOTI) Combining Local Oxygen Therapy With Cycled Compression And Humidification Enhances Healing Of Diabetic Wounds And Ischemic Ulcers After Revascularization
Anil P. Hingorani, MD
Enrico Ascher, MD

- 5:36 – 5:41** Contemporary Comparative Results Of BTK Open Bypass Revascularization: Heparin Bonded PTFE Grafts Versus In Situ Or Reversed Vein Grafts: When Are PTFE Grafts To Tibial/Peroneal Arteries Worthwhile
Carlo Pratesi, MD
Giovanni Pratesi, MD
- 5:42 – 5:47** Nerve Block Without General Anesthesia Allows Safer Bypass Surgery For CLTI Even With High Risk Patients
Nobuyoshi Azuma, MD
- 5:48 – 5:53** Techniques For Overcoming Problems With Subintimal Angioplasty For Chronic Total Occlusions (CTOs): Like Inability To Re-Enter The True Lumen: Fancy Gadgets (Outback, Pioneer, Enteer, OffRoad) Are Almost Never Needed
Ali Amin, MD, RVT
- 5:54 – 5:59** How To Do Bypass Surgery To Heavily Non-Compressible Calcified Target Arteries
Enrico Ascher, MD
Frank J. Veith, MD
- 6:00 – 6:06** **Panel Discussion**
End of Program C-2

WEDNESDAY, NOVEMBER 15, 2023

- 6:00 A.M. General Registration** – Rhinelander Gallery, 2nd Floor
6:00 A.M. Faculty Registration – Gramercy Suite West, 2nd Floor
6:15 A.M. Continental Breakfast – Rhinelander Gallery, 2nd Floor

CONCURRENT WEDNESDAY PROGRAMS

PROGRAM D (SESSIONS 23-30)

Progress In Lower Extremity Occlusive Disease And Its Treatment

6:40 A.M. – 6:20 P.M.

Grand Ballroom East, 3rd Floor

PROGRAM E (SESSIONS 31-38)

New Developments In Medical Treatments And New Drugs; Progress In Anti-Atherogenic And Anti-Hypertensive Treatments; Management Of Endoleaks; Recorded Live Cases From Leading Centers In The US And EU; Issues Of Interest; Outpatient And Office Based Vascular Treatment; Topics Related To Government, Reimbursement, The SVS, VQI, FDA, Guidelines, Trials And Evidence Based Medicine

6:40 A.M. – 6:30 P.M.

Grand Ballroom West, 3rd Floor

PROGRAM F (SESSIONS 39-46)

More New Developments In Thoracic Aortic Disease, TEVAR, Aortic Dissections, TAAAs, Juxta- And Pararenal AAAs, Parallel Grafts, Fenestrated And Branched EVAR (F/B/EVAR), Multilayer Bare Stents, Infrarenal AAAs And Standard EVAR, And Hot New Aortic And Carotid Topics

6:50 A.M. – 6:30 P.M.

Trianon Ballroom, 3rd Floor

PROGRAM D (SESSIONS 23-30)

PROGRESS IN LOWER EXTREMITY OCCLUSIVE DISEASE AND ITS TREATMENT

Grand Ballroom East, 3rd Floor

SESSION 23 (Grand Ballroom East, 3rd Floor)

GENERALITIES IN THE ENDOVASCULAR AND OPEN TREATMENT OF LOWER EXTREMITY OCCLUSIVE DISEASE AND CLTI

Moderators: *Enrico Ascher, MD*
Andrej Schmidt, MD

- 6:40 – 6:45** How Do Prior Endovascular Interventions Affect Future Lower Extremity Bypass Outcomes For CLTI: Why Do The Results Of The BEST-CLI Trial Make This More Important
Matthew T. Menard, MD
- 6:46 – 6:51** Do Diabetic Patients With CLTI And Extensive Foot Necrosis Have Time For An Endovascular First Strategy: Primary Open Bypass Is Better Treatment In This Setting
Katariina M. Noronen, MD, PhD
- 6:52 – 6:57** Presenting Symptoms Of Lower Extremity Occlusive Disease And Intermittent Claudication Are Different In Women Than In Men: Why Is This Important
Linda M. Harris, MD
- 6:58 – 7:03** Selective Coronary Revascularization Based On Preop CT Fractional Flow Reserve (FFR_{CT}) Improves Long-Term Survival Of CLTI Patients After Lower Extremity Revascularization: When Should Coronary Revascularization Be Performed – Before Or After The Lower Extremity Procedure
Christopher K. Zarins, MD
Dainis K. Krievins, MD
- 7:04 – 7:09** Why Does Medial Artery Calcification (MAC) Lead To Small Artery Disease (SAD): A Computational Based Analysis Of Lower Limb Blood Flow Reveals That Increasing Vascular Stiffness May Be Causative: Can Anything Be Done About It
Roberto Ferraresi, MD

OPTIMAL TECHNIQUES FOR VESSEL PREP FOR ENDOVASCULAR TREATMENTS

- 7:10 – 7:15** Optimal Different Techniques Of Vessel Prep For Plain Old Balloon Angioplasty (POBA), Drug Coated Balloon (DCB) Treatment And Drug Eluting Stent (DES) Treatment
Fabrizio Fanelli, MD
- 7:16 – 7:21** Technical Tips For Vessel Prep For DCBs And DESs: It Is Different And Not Simple: Is Vessel Prep Currently Overrated
Erwin Blessing, MD
- 7:22 – 7:27** New Devices And A New Paradigm For Treating Lower Extremity Arterial Lesions Via A Radial Approach: Can Lesions Below The Knee Be Treated
Craig M. Walker, MD
- 7:28 – 7:33** What Are The Downsides To Trans-Radial Or Pedal Access
Gary M. Ansel, MD

TECHNICAL TIPS ON GUIDEWIRE CHOICE AND USAGE

- 7:34 – 7:39** Tips For Treating Difficult BTK/BTA Lesions: How To Get A Guidewire Across A Long Calcified Occlusion, Getting A Resistant Balloon To Go Over The Wire And Tips For Retrograde Access
Marco G. Manzi, MD

7:40 – 7:45 Guidewire Tips For Treating Lesions Below The Ankle (BTA): Sliding, Piercing, Dissecting, Retrograde Maneuvers
Roberto Ferraresi, MD

7:46 – 7:53 **Panel Discussion**

SESSION 24 (Grand Ballroom East, 3rd Floor)

NEW DEVELOPMENTS IN ATHERECTOMY, STENTS (UNCOATED, COATED AND BIORESORBABLE)

Moderators: *Craig M. Walker, MD*
Iris Baumgartner, MD

PROGRESS IN ATHERECTOMY

7:53 – 7:58 New Developments In Laser Atherectomy And Lithotripsy: What Progress Has Been Made And Are Their Benefits Proven
George L. Adams, MD (PowerPoint Presentation With Synched Audio)

7:59 – 8:04 Which Vascular Specialists Are Performing Tibial Atherectomies And Angioplasties For Intermittent Claudication And Are There Suboptimal Outcomes
Caitlin W. Hicks, MD, MS

8:05 – 8:10 Update On Optical Coherence Tomography (OCT) Guided Intraluminal Crossing Catheters (Avinger) For SFA Occlusions: Intraluminal Patency Superiority And New Data On The TigerEye Catheter
Todd R. Vogel, MD, MPH

8:11 – 8:16 2-Year Experience With The Rotarex Atherectomy And Thrombectomy System (From BD) For Arterial Occlusive Disease And In Stent Restenosis (ISR): How Does It Work And Advantages
Michael K.W. Lichtenberg, MD

UPDATE ON THE SUPERA STENT

8:17 – 8:23 Update On The Advantages Of The Supera Vasculomimetic (VMI) Stent For Treating Long Complex Fempop Occlusive Lesions: Is There Value To DCB Vessel Prep First
Peter C.J. Goverde, MD (PowerPoint Presentation With Synched Audio)

8:24 – 8:29 Update On The Supera Interwoven Stent: When Is It The Best Treatment And How To Optimally Deploy This Unique Stent
D. Christopher Metzger, MD
Craig M. Walker, MD

DRUG ELUTING STENTS (DESSs) FOR BTK LESIONS

8:30 – 8:35 Updated Experience With Everolimus And Other Nonabsorbable DESSs To Treat Infrapopliteal BTK Lesions – Long And Short - Causing CLTI: What Are The Stents And How Are They Doing
Robert A. Lookstein, MD, MHCDC

8:36 – 8:41 Update On Bioresorbable Everolimus DESSs To Treat BTK Lesions Causing CLTI: Promising Results Up To 5 Years: From The DISAPEAR Registry And A Meta-Analysis Of Other Bioresorbable BTK Stent Results
Steven Kum, MD
Ramon L. Varcoe, MBBS, MS, PhD

8:42 – 8:47 Progress In And 1-Year Results Of The LIFE-BTK Randomized Controlled Comparison Of Abbott's Esprit Drug-Eluting Resorbable Stent With Plain Balloon Angioplasty (POBA)
Ramon L. Varcoe, MBBS, MS, PhD
Sahil A. Parikh, MD
Brian G. DeRubertis, MD

- 8:48 – 8:53** Updated Results With A 3-French Compatible Microstent (From Micro Medical) For Antegrade Or Retrograde Insertion To Treat Tibial Artery Lesions: From The STAND RCT And The HEAL Registry
Robert E. Beasley, MD
Marco G. Manzi, MD
- 8:54 – 9:00** **Panel Discussion**
- SESSION 25 (Grand Ballroom East, 3rd Floor)
LOWER EXTREMITY TOPICS RELATED TO DRUG COATED BALLOONS (DCBs) AND DRUG ELUTING STENTS (DESS)
Moderators: *Kenneth Ouriel, MD, MBA*
Sahil A. Parikh, MD
- 9:00 – 9:05** Older And More Recent Meta-Analyses Reveal Increased Mortality And Amputation Rates In Patients Receiving Paclitaxel Coated Devices Compared To Uncoated Devices: Are These Increased Rates Still Valid In View Of The Many Recent Studies That Do Not Confirm Them
Konstantinos Katsanos, MSc, MD, PhD
- 9:06 – 9:11** Large Population Based German Multicenter Study Of Paclitaxel Coated BTK DCBs And DESs Indicates Decreased Mortality And Amputation Rates Compared To Uncoated Devices
Christian A. Behrendt, MD
- 9:12 – 9:17** The Final Word On The Safety Of Paclitaxel Coated Balloons And Stents: Putting Together Observation, Randomized Trial And Meta-Analysis Derived Data
Eric A. Secemsky, MD, MSc
Peter A. Schneider, MD
- 9:18 – 9:23** 2-Year Results With The Sundance DCB (Surmodics) To Treat BTK Occlusive Lesions: From The SWING Trial
Ramon L. Varcoe, MBBS, MS, PhD
- 9:24 – 9:29** Update On DCBs For BTK Angioplasty: RCT Comparing A Paclitaxel DCB (Litos From Acotec) Versus A Sirolimus DCB (Magic Touch From Concept Medical): Rationale Of The Studies, Update On Enrollment And Interesting Cases In The DEBATE BTK DUELL RCT
Francesco Liistro, MD
Edward T. Choke, MD, PhD
- 9:30 – 9:35** Progress With A Sustained Release Sirolimus DCB: Results With The Magic Touch DCB Compared To A Paclitaxel DCB: From The SIRONA Study
Thomas Zeller, MD
Andrej Schmidt, MD
Dierk Scheinert, MD
Marianne Brodmann, MD
- 9:36 – 9:41** Adventitial Drug Delivery With The BullFrog Device (From Mercator Medical) And The Spur Device (From Reflow): How Do They Work And How Will We Know They Improve Results
William A. Gray, MD
- 9:42 – 9:47** The Light And Darkness Of Fluoropolymer-Based Limus DESs In The Treatment Of Femoropopliteal Lesions
Osamu Iida, MD

- 9:48 – 9:53** Lower Extremity Endovascular Treatments: Who Is Performing Most Of Them And Where: Are They Overutilized And Why: How To Fix The Problem
Russell H. Samson, MD
- 9:54 – 9:59** Are DESs Ever Associated With Aneurysmal Degeneration: Is It Related To The Drug (Paclitaxel Or Limus) Or To The Fluoropolymer Excipient To Which The Drug Is Attached
Osamu Iida, MD
- 10:00–10:08** **Panel Discussion**
- 10:08–10:18** **Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 26 (Grand Ballroom East, 3rd Floor)

NEW DEVELOPMENTS IN DRUG COATED BALLOONS (DCBs) AND DRUG ELUTING STENTS (DESS): UPDATES ON RANDOMIZED CONTROLLED TRIALS (RCTs) AND BTK LESION TREATMENTS WITH DCBs AND DESS

*Moderators: Joseph L. Mills, MD
John R. Laird, MD*

NEW INFORMATION ON DCBs AND DESS FOR FEMPOP LESIONS: UPDATES ON RCTs

- 10:18–10:23** DCB Treatment Of Femoropopliteal Lesions Causing CLTI (From Boston Scientific) Is Cost Effective: Based On A 2-Year Study Of Patients Treated With Ranger DCBs: Advantages Of An .018 Device Often Suitable For Radial Access
Ignacio Escotto, MD
- 10:24–10:29** Stellarex (Philips) DCBs With Low Dose Paclitaxel Is Safe And Has Higher Patency Rates Than POBA With De Novo Or Recurrent Fempop Lesions At 5 Years In The ILLUMENATE US And European RCTs
*Sean P. Lyden, MD
Marianne Brodmann, MD
Sahil A. Parikh, MD
William A. Gray, MD*
- 10:30–10:35** 3-Year Results Of A RCT Comparing SurVeil DCBs (Surmodics) With In.Pact DCBs (Medtronic) For Treating Fempop Lesions: From the TRANSCEND Trial
Peter A. Schneider, MD
- 10:36–10:41** New Findings From The DRASTICO Study Comparing DESSs To DCBs For Fempop Lesions: 5-Year Results With TASC A/B Lesions Versus TASC C/D Lesions
Francesco Liistro, MD
- 10:42–10:47** Value Of In.Pact DCBs (Medtronic) For Long Complex SFA-Pop Lesions Including ISR And CTOs: Technical Tips And Contraindications: From The Global Registry: What Is The Best Endo Treatment For These Lesions
*Gunnar Tepe, MD
Marianne Brodmann, MD*
- 10:48–10:53** Update On The Randomized Head To Head Comparison Of In.Pact (Medtronic) And Ranger (Boston Scientific) DCBs For Complex SFA Lesions: 3- And 4-Year Results Of The COMPARE RCT: Similar Results With Different Paclitaxel Dosages
*Dierk Scheinert, MD
Sabine Steiner, MD*

- 10:54-10:59** Below The Ankle Endo Interventions In 2023: Techniques, Devices And Should Balloons Be Drug Coated Or Not
Marianne Brodmann, MD
- 11:00-11:05** New Information On The Safety And Effectiveness Of The Cook Zilver PTX DES Based On An Updated Meta-Analysis And Global Data: When Is It The Best DES; When Is It The Best Treatment: Is Distal Microembolization A Concern
Peter A. Schneider, MD
William A. Gray, MD
Sahil Parikh, MD
Michael D. Dake, MD
- 11:06-11:11** Updated 5-Year Results Of The IMPERIAL RCT Head To Head Comparison Of The Eluvia DES (Boston Scientific) With The Zilver PTX DES (Cook): Both Are Safe And Effective: What Are The Differences
Stefan Müller-Hülsbeck, MD
William A. Gray, MD
Thomas Zeller, MD
- 11:12-11:18** **Panel Discussion**

NEW INFORMATION ON BTK DCBs AND DESs
- 11:18-11:23** Advances In BTK Drug Delivery Technology And DCBs: What Have We Learned From The In.Pact Deep BTK DCB Trial And New Challenges With Treating CLTI Patients
Thomas Zeller, MD
- 11:24-11:29** 5-Year Results From The AcoArt II BTK DCB RCT Show Safety With No Increased Mortality And Improved Patency Versus POBA To Treat BTK Lesions
Wei Guo, MD (PowerPoint Presentation With Synched Audio)
Francesco Liistro, MD
- 11:30-11:35** Orbital Atherectomy Vessel Preparation To Maximize DCB Efficacy In Calcified BTK Lesions: OPTIMIZE BTK RCT 2-Year Results
Thomas Zeller, MD
- 11:36-11:41** The Sirolimus DCB BTK Era Begins: The SELUTION DCB (From MedAlliance And Cordis): Why The FDA Considered It A Breakthrough Device: Results From Singapore And Europe Are Promising And Justified The Ongoing SELUTION4BTK IDE Trial: Preliminary Results
Patrick J. Geraghty, MD
George L. Adams, MD
Michael K.W. Lichtenberg, MD
- 11:42-11:47** Why Some BTK DCB Trials Have Not Shown Uniformly Better Results: Technical And Balloon Factors Matter
Francesco Liistro, MD
- 11:48-11:53** Three-Year Results For The BioMimics 3D Swirling Flow Stent Show Why It Is The Most Cost-Effective Stent Of Choice For CLTI Patients
Michael K.W. Lichtenberg, MD
Bret Wiechmann, MD
Amy Yip, PhD
Peter A. Gaines, MD
- 11:54-12:00** **Panel Discussion**
- 12:00- 1:35** **Celebratory Lunch Break – Rhinelander Gallery, 2nd Floor -Visit Exhibits & Pavilions (2nd and 3rd Floors)**

SESSION 27 (Grand Ballroom East, 3rd Floor)

PROGRESS IN EXOTIC AND EXTREME NEW TREATMENTS FOR VERY DISTAL LOWER EXTREMITY DISEASE CAUSING ADVANCED CLTI: OPTIONS TO SAVE THE “NO OPTION FOR TREATMENT” LIMB AND THE “DESERT FOOT”

Moderators: *Michael S. Conte, MD*
Marco G. Manzi, MD

- 1:35 – 1:40** **DEBATE:** IVUS Is Useful In The Majority Of Lower Extremity Interventional Treatments
Eric A. Secemsky, MD, MSc
- 1:41 – 1:46** **DEBATE:** Not So: Peri-Procedural Duplex Scanning May Be Better And Cheaper Than IVUS For Improved Imaging In Most Lower Extremity Intervention
Enrico Ascher, MD
Natalie A. Marks, MD, RPVI, RVT
- 1:47 – 1:52** No Option CLTI: Why Is It A Misnomer: Hybrid And Other Actual Options For Treatment And Limb Salvage
Hisham Rashid, FRCS

VALUE OF PROSTHETIC (PTFE) TIBIAL BYPASSES

- 1:53 – 1:58** What Are The Best Options For Limb Salvage When A Single Autologous Vein Is Inadequate: Does The BEST-CLI RCT Help
Joseph L. Mills, MD
- 1:59 – 2:04** PTFE Bypasses To Infrapopliteal Target Arteries Can Save Limbs In Patients Facing Imminent Amputation With No Other Therapeutic Option: They Can Have Worthwhile Long-Term Patency And Limb Salvage Rates: A Multicenter Experience
Hasan D. Dosluoglu, MD
- 2:05 – 2:10** For Patients Facing Amputation With No Endo Options Or Useable Vein, PTFE Tibial Bypasses Are A Worthwhile Option That Yields Acceptable Mid-Term Patency And Long-Term Limb Salvage Rates
R. Clement Darling III, MD
- 2:11 – 2:16** Current Outcomes With PTFE Bypasses To Infrapopliteal (Tibial) Targets: Why Is There Variability Between Surgeons And Institutions: How Does The BEST-CLI Trial Help
Matthew T. Menard, MD

UPDATE ON FOOT VEIN ARTERIALIZATION FOR CLTI

- 2:17 – 2:22** Long-Term View Of The Role And Value Of Vein Arterialization: Best Way To Do It And Late Results: From The First To Make It Work
Pramook Mutirangura, FRCS
- 2:23 – 2:28** Endovascular And Surgical Venous Arterialization For REAL No Option Patients Facing Amputation From CLTI: Does Neo-Angiogenesis Occur
Roberto Ferraresi, MD
- 2:29 – 2:34** Pivotal US Trial (PROMISE II), US Feasibility Study (PROMISE I) And European 2-Year Registry Results With Deep Vein Arterialization Using The LimFlow Device For CLTI With Gangrene Shows Reasonable Limb Salvage And Wound Healing
Daniel G. Clair, MD
Andrej Schmidt, MD
Daniela Branzan, MD

2:35 – 2:40 What's New In Gene And Stem Cell Therapy For No Option CLTI In 2023
Richard J. Powell, MD

2:41 – 2:46 Importance Of Open Surgical Procedures In A Limb Preservation Practice: What Are They And When Should They Be Used: It Is No longer About In Situ Vein Bypasses
Richard F. Neville, MD

2:47 – 2:53 **Panel Discussion**

SESSION 28 (Grand Ballroom East, 3rd Floor)

NEW DEVELOPMENTS IN STENTS; PROSTHETIC GRAFTS; ENDOVASCULAR BYPASSES; STENT GRAFTS AND TREATMENT OF IN STENT RESTENOSIS (ISR)

Moderators: *Timothy M. Sullivan, MD*
Mark A. Adelman, MD
Anahita Dua, MD, MS, MBA

ARTERIAL PTFE BYPASSES

2:53 – 2:58 Value Of Heparin Bonded PTFE Grafts For Femoral To Below-The-Knee Bypasses: A Systematic Review And Meta-Analysis: Are There Advantages To Propaten Grafts: Value To Crural Targets
Yann Gouëffic, MD, PhD

2:59 – 3:04 Improved Method For Restoring Patency To Occluded PTFE Bypasses Using A Fluoroscopically Guided Adherent Clot Remover (From Edwards): It's Less Invasive And More Effective
Neal S. Cayne, MD
Frank J. Veith, MD

PERCUTANEOUS BYPASSES

3:05 – 3:10 Percutaneous (PQ) Transvenous Fempop PTFE Bypasses With The Torus 2 Device (Now From Endologix): How It Works And Updated Status Of The DETOUR And TORUS Trials In The US With 2-Year Results
Sean P. Lyden, MD
Daniel G. Clair, MD
Peter A. Schneider, MD

3:11 – 3:16 Updated Late European Results Of The Detour PQ Fempop Arterial Bypass Routed Through The Femoral Vein From The DETOUR 1 Trial: Which Open Bypasses Will Be Made Obsolete
Dainis K. Krievins, MD
Peter A. Schneider, MD

3:17 – 3:22 A Novel Technique For Percutaneous Extravascular Fempop Bypass - Routing A PTFE Graft Through The Soft Tissue Of The Thigh: It Is A Transcatheter Technique That Is Clampless, Sutureless, And Without External Exposure: How Is It Done; Advantages And Results
Pierre Sarradon, MD
Jean-Pierre Becquemin, MD

3:23 – 3:28 **Panel Discussion**

NEW INFORMATION ON STENT-GRAFTS

3:28 – 3:33 Can Viabahn Stent-Grafts Be Used Safely And Effectively In The SFA For CLTI: From Pooled Multicenter Data: What Are The Limitations Of These Devices
Michel M.P. Reijnen, MD, PhD

- 3:34 – 3:39** Performance Of A New Generation Balloon Expandable Stent-Graft (VBX from Gore) For Peripheral Aneurysmal And Occlusive Disease As Well As A Bridging Stent For F/B/EVAR
Rocco Giudice, MD
Ciro Ferrer, MD

TREATMENT OF IN STENT RESTENOSIS (ISR)

- 3:40 – 3:45** Update On The Excimer Laser For Treating ISR: It Has A Role In Crossing And Debulking Difficult Lesions: Technical Tips
Craig M. Walker, MD
- 3:46 – 3:51** How Best To Treat Long Difficult Complex SFA Lesions Including Those From ISR
Sonia Ronchey, MD, PhD
- 3:52 – 4:03** **Panel Discussion And Break**
(Visit Exhibits And Pavilions – 2nd and 3rd Floors)

SESSION 29 (Grand Ballroom East, 3rd Floor)

LOWER EXTREMITY TRIALS; GUIDELINES; FOOT PERFUSION EVALUATION METHODS AND VALUE OF ANGIOSOMES

Moderators: *Brian G. DeRubertis, MD*
Mark K. Eskandari, MD
Frank J. Veith, MD

- 4:03 – 4:08** The Japanese SPINACH Registry Confirms That Open Bypasses Are Superior To Endovascular Treatments In CLTI Patients When Ischemia And Infection Are Advanced
Nobuyoshi Azuma, MD
- 4:09 – 4:14** The Global Vascular Guidelines And Wifi Staging For CLTI Are Better Than Obsolete TASC Guidelines Because Treatment Recommendations, Revascularization Strategies And Needs For The Future Are Not Solely Based On Lesion Anatomy But Are Nuanced By Other Factors: What Are They
Michael S. Conte, MD
- 4:15 – 4:20** Ancillary Outcomes Of The BEST-CLI RCT Comparing Endovascular And Open Treatment For CLTI When Both Treatments Are Feasible; What Are The Deficiencies In BEST-CLI And Why Might Interventionalists Claim It Is Misleading
Alik Farber, MD
Matthew T. Menard, MD
Kenneth Rosenfield, MD
- 4:21 – 4:26** Why Many Interventionalists Believe The Conclusions Of BEST-CLI (Which Involved Mostly Fempop Treatments) Are Misleading
Sahil A. Parikh, MD
- 4:27 – 4:32** Key Findings From The Just Completed BASIL 2 RCT Comparing Open And Endovascular Treatments For Severe Leg Ischemia From Mostly BTK Disease: How Do They Mesh With BEST-CLI Results
Andrew W. Bradbury, MBChB, MD, MBA
- 4:33 – 4:38** **Panel Discussion**

METHODS FOR EVALUATING FOOT PERFUSION

- 4:39 – 4:44** How And Why To Measure Foot Perfusion During And After Endo Treatments: Hyperspectral Imaging, O₂ Sensors, Etc: When Is The Angiosome Concept Helpful; When Not
Marianne Brodmann, MD

4:45 – 4:50 New Methods For Evaluating The Significance Of Lower Extremity Arterial Lesions And Foot Perfusion Using Fractional Flow Reserve (FFR) And MRI; How They Work And Their Value In Assessing Therapeutic Success

Bijan Modarai, PhD

4:51 – 4:56 What Are The Best Methods For Measuring Foot Perfusion: They Are Invaluable In CLTI For Assessing Treatment Success And Predicting Healing

Werner Lang, MD

4:57 – 5:02 **Panel Discussion**

SESSION 30 (Grand Ballroom East, 3rd Floor)

NEW DEVELOPMENTS IN THE TREATMENT OF INTERMITTENT CLAUDICATION (IC) AND ACUTE LIMB ISCHEMIA (ALI)

Moderators: *Matthew T. Menard, MD*

Marianne Brodmann, MD

INTERMITTENT CLAUDICATION (IC)

5:02 – 5:07 An RCT After 2 Years Showed That Stent Treatment For Intermittent Claudication (IC) Improves Quality Of Life More Than Medical Treatment And Exercise: Do The Long-Term Results Refute Or Negate The 2-Year Results

Hans Lindgren, MD, PhD (PowerPoint Presentation With Synched Audio)

5:08 – 5:13 At 2 Years After Endovascular Interventions For IC, Only 32% Of Patients Were Free From Recurrent IC: From A VQI Multicenter Study: What Are The Implications

Peter F. Lawrence, MD

Karen Woo, MD, PhD

5:14 – 5:19 When Are Invasive Vascular Treatments Justified For IC And When Are They Not: What Is The Evidence

Caitlin W. Hicks, MD, MS

James H. Black, III, MD

5:20 – 5:25 With Critical ALI, Catheter Based Aspiration Techniques Should Be Considered First-Line Therapy: When Should Other Treatments Be Used

Matthew D. Wooster, MD, MBA

5:26 – 5:31 **Panel Discussion**

ACUTE LIMB ISCHEMIA (ALI)

(See Also Session 63)

5:31 – 5:36 Key Points In The Diagnosis And Treatment Of ALI In The Lower Limbs: When To Use Endovascular Treatments And When To Use Open Treatments With Thrombectomy Or A Bypass Because Such ALI Is Always Associated With Chronic Occlusive Disease

Martin Björck, MD, PhD

5:37 – 5:42 The PROMOTE-ALI Study Shows That Open Surgery Is Still Number One In The Treatment Of ALI

Katariina M. Noronen, MD, PhD

5:43 – 5:48 Endovascular Mechanical Thrombectomy Is Obviating The Need For Thrombolytics In ALI: Which Device Is Best – When And Why

Patrick E. Muck, MD

- 5:49 – 5:54** Percutaneous Vacuum Thrombectomy For ALI: Devices And Techniques: In 2023 When Is There A Role For Thrombolytics, Angioplasty, Open Balloon Catheter Thrombectomy Or A Bypass
Scott L. Stevens, MD
- 5:55 – 6:00** What Is New With Penumbra Indigo Clot Aspiration Systems: What Makes Them Different: Indications And Contraindications
James F. Benenati, MD
- 6:01 – 6:06** Update On How To Treat ALI Under Duplex Ultrasound Guidance: Advantages And Limitations
Natalie A. Marks, MD, RPVI, RVT
Enrico Ascher, MD
- 6:07 – 6:12** The STRIDE Multicenter Trial Showed That Mechanical Suction Thrombectomy With The Indigo Aspiration System (Penumbra) For Lower Limb ALI Had A Low Complication Rate And Excellent Limb Salvage: When Was Angioplasty, Stenting Or A Bypass Necessary
Thomas S. Maldonado, MD
- 6:13 – 6:20** **Panel Discussion**
End of Program D

PROGRAM E (SESSIONS 31-38)

NEW DEVELOPMENTS IN MEDICAL TREATMENTS AND NEW DRUGS; PROGRESS IN ANTI-ATHEROGENIC AND ANTI-HYPERTENSIVE TREATMENTS; MANAGEMENT OF ENDOLEAKS; RECORDED LIVE CASES FROM LEADING CENTERS IN THE US AND EU; ISSUES OF INTEREST; OUTPATIENT AND OFFICE BASED VASCULAR TREATMENT; TOPICS RELATED TO GOVERNMENT, REIMBURSEMENT, THE SVS, VQI, FDA, GUIDELINES, TRIALS AND EVIDENCE BASED MEDICINE

Grand Ballroom West, 3rd Floor

SESSION 31 (Grand Ballroom West, 3rd Floor)

ADVANCES IN MEDICAL TREATMENTS, NEW ANTI-ATHEROGENIC DRUGS, VALUE OF RIVAROXABAN AND PREVENTING MIs IN VASCULAR SURGERY PATIENTS

Moderators: *Peter Henke, MD*
Ido Weinberg, MD, MSc

- 6:40 – 6:45** When, Why And How To Lower High Triglyceride Levels: Value Of Vascepa To Decrease Cardiac Risk In Vascular Patients: Based On The REDUCE-IT RCT
Jeffrey S. Berger, MD
- 6:46 – 6:51** New Strategies On How To Avoid And Treat Periprocedural Myocardial Infarctions (MIs) In Open Endo Vascular Surgery Patients
Peter Henke, MD
- 6:52 – 6:57** **DEBATE:** LDL Cholesterol (LDL-C) Lowering And Statins For Prophylaxis Of Vascular Events Are Dangerous And Not Helpful: What Does The Latest Evidence Show
Sherif A.H. Sultan, MD

- 6:58 – 7:03** **DEBATE:** Not So: Update On LDL-C Lowering With Statins And Other Drugs Stabilizes And Shrinks Plaques And Decreases Morbid Vascular Events: Stopping Statins Increases Patients' Risk Of MI And Death
Ron Waksman, MD
- 7:04 – 7:09** Update On LDL-C Lowering During A Lifetime: How Low To Strive For With Intensive Drug Therapy: How Young To Start If High; How Old To Continue Statins: Why And How Often Should LDL-C Levels Be Measured
J. David Spence, MD
- 7:10 – 7:15** LDL-C Lowering Should Be Maximized With High Dose Statins And Ezetimibe (Zetia) To Minimize Risks From Atherosclerotic Lesions: The LDL-C Level Cannot Be Too Low And Side Effects Are Minor: LDL-C Levels Must Be Monitored And Treated To A Target Level
Anne Abbott, MD, PhD
- 7:16 – 7:21** New Findings From The VOYAGER PAD And COMPASS Trials With Low Dose Rivaroxaban (Xarelto From Janssen And J&J) And Aspirin: How Do These Drugs Lower Major Adverse Limb And Cardiac Event Rates After Lower Extremity Revascularization (Endo And Open) For PAD
Marianne Brodmann, MD
Sebastian E. Debus, MD
- 7:22 – 7:27** How Does The Morbidity And Pathology Of Adverse Events With Arteriosclerosis Depend On Thrombosis: This Explains The Benefits Of Rivaroxaban And Aspirin Seen In The VOYAGER And COMPASS Trials
Anthony J. Comerota, MD
- 7:28 – 7:33** New Adjunctive Drugs (Plus Statins) To Lower LDL-Cholesterol (LDL-C) In Vascular Patients: Inclisiran, Bempedoic Acid And Ezetimibe: How Do They Work And When And How To Use Them: Level Of LDL-C To Strive For: The CLEAR RCT Show That Bempedoic Acid Really Works
Richard Bulbulia, MA, MD
- 7:34 – 7:42** **Panel Discussion**

SESSION 32 (Grand Ballroom West, 3rd Floor)

CATHETER-BASED TREATMENTS OF RESISTANT HYPERTENSION; MANAGEMENT OF CARDIAC PROBLEMS, SMOKING AND TRANSFUSION IN VASCULAR SURGERY PATIENTS; MORTALITY RISK IN STROKE PATIENTS; PREVENTING VASCULAR AND CARDIAC COMPLICATIONS

Moderators: Ron Waksman, MD
Michael R. Jaff, DO

UPDATE ON RENAL DENERVATION FOR HYPERTENSION

- 7:42 – 7:47** Update On The Status Of Renal Denervation For Hypertension: It Is Here To Stay: Where Is It Going: Status Of The Radiofrequency Denervation SPYRAL HTN-OFF MED RCT (vs Sham) And Other Catheter-Based Ablative And Ultrasound Methods (The RADIANCE II RCT Findings)
Eric A. Secemsky, MD, MSc

- 7:48 – 7:53** Multiorgan Denervation For Treatment Of Hypertension, Diabetes And Metabolic Syndrome: How To Do It
Kolja Sievert, MD
Horst Sievert, MD
- 7:54 – 7:59** A Precision Medicine Approach To Managing Pediatric Renovascular Hypertension: How Can Medical And Open Surgical Treatment Control It
Dawn M. Coleman, MD

OTHER TOPICS RELATED TO VASCULAR DISEASE AND ITS TREATMENT

- 8:00 – 8:05** How Does The Female Sex Impact The Occurrence Of Lower Extremity Atherosclerosis, Its Treatment And Results Of Treatment
Katherine A. Gallagher, MD
- 8:06 – 8:11** How And Why Do Thoracic Endografts For TEVAR Negatively Affect The Blood Pressure And The Heart: Can A Compliant Endograft Prevent The Problem
Frans L. Moll, MD, PhD
- 8:12 – 8:17** When Should Smoking Be Stopped Before AAA Repair: Before Lower Extremity Bypass: At Least 4 Weeks: Why Does The Duration Of Cessation Matters
Jeffrey J. Siracuse, MD
- 8:18 – 8:23** Update On Limiting Transfusion And Permitting Anemia After Major Vascular Operations Increases Mortality And Serious Adverse Events Especially In Patients With Cardiac Co-Morbidities
Panos Kougiass, MD, MSc
- 8:24 – 8:29** How To Quantitate Late Mortality Risk In Asymptomatic Carotid Stenosis (ACS) Patients: Why It's Important In Deciding To Treat ACS Patients Non-Invasively
Stavros Kakkos, MD
Andrew N. Nicolaides, MS, FRCS
- 8:30 – 8:35** Secondary Prevention Of Vascular Disease And Its Complication With PCSK9 Inhibitors; When They Should Be Used And When Not: How Well Does The New Oral PCSK9 (Inhibitor MK-01616 Work)
Roxana Mehran, MD (PowerPoint Presentation With Synched Audio)
- 8:36 – 8:41** How Important Is Inflammation As Determined By C-Reactive Protein (CRP) Levels In Predicting Adverse Cardiac Events: What Drugs Can Lower This Risk
Ron Waksman, MD
- 8:42 – 8:50** **Panel Discussion**
- 8:50 – 9:06** **Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 33 (Grand Ballroom West, 3rd Floor)

**PROGRESS IN MANAGING ENDOLEAKS:
UNDERSTANDING THEIR CONSEQUENCES AND
PREDICTING, PREVENTING AND TREATING THEM**

Moderators: *Timur P. Sarac, MD*
Peter L. Faries, MD

TO TREAT OR NOT TO TREAT TYPE 2 ENDOLEAKS

- 9:06 – 9:11** Active AAA Sac Management With Polymers: This Is The Missing Link To Improve Outcomes After EVAR: Technique And Results From The SHAPE AAA Trial (From Shape Memory)
Michel M.P. Reijnen, MD, PhD
Andrew Holden, MBChB

9:12 – 9:17 Fibrin Glue Sac Filling Technique During EVAR To Prevent All Endoleaks: It Should Be Routine And Is A Game Changer Based On A Multicenter Trial: How To Do It
Qingsheng Lu, MD

TREATING TYPE 1 ENDOLEAKS

9:18 – 9:23 Post EVAR Type 1A Endoleaks Are Predictable And Preventable: Strategies To Prevent Them Or Treat Them
Michael J. Singh, MD

9:24 – 9:29 Embolization Of Type 1 Endoleaks Post EVAR: Longer Term Outcomes; Who To Select For The Procedure And Tips And Tricks For Doing It
Robert A. Morgan, MD

9:30 – 9:35 When And How To Use Embolization Coils To Treat Type 1A Endoleaks Successfully: When Won't Coils Work: How To Diagnose Type 1A Endoleaks Accurately
Sigrid Nikol, MD

9:36 – 9:41 How To Minimize Gutter Type 1A Endoleaks With Chimney EVAR (Ch/EVAR): How Does A Standard Protocol Help; How To Treat Them When They Occur
David J. Minion, MD

9:42 – 9:48 **Panel Discussion**

PREVENTION OF TYPE 2 ENDOLEAKS AFTER EVAR

9:49 – 9:54 A RCT Shows The Advantages Of Inferior Mesenteric Artery (IMA) And Lumbar Embolization: The Next Generation Of EVAR Endografts Must Prevent Endoleaks: How Can It Be Done
Dominique Fabre, MD
Stephan Haulon, MD

9:55-10:00 Preventing Threatening Type 2 Endoleaks By IMA Embolization When AAA Sac And IMA Are Large: Indications And Technical Tips And Evidence
Toru Kuratani, MD, PhD

10:01-10:06 With A Large IMA (> 3mm), When Should It Be Embolized; Or When Should It Be Revascularized: How And Why
Piotr M. Kasprzak, MD

10:07-10:12 Reduction Of Type 2 Endoleaks By Pre-Emptive Coiling Of Aortic Side Branches >3 mm: How Do We Know Based On A Mid-Term Analysis
Götz M. Richter, MD, PhD

10:13-10:19 **Panel Discussion**

TREATMENT OF TYPE 2 ENDOLEAKS AND ENDOTENSION AFTER EVAR

10:20-10:25 Transcaval Approach To Treat Type 2 Endoleaks After EVAR: Indications: Technique; Precautions And Results
Ross Milner, MD

10:26-10:31 Glue Embolization Is Effective Treatment For Most Threatening Type 2 Endoleaks: When And How Best To Do It: Limitations
Neal S. Cayne, MD

10:32-10:37 New Concepts In Post EVAR Endoleaks And Endotension: The Role Of Fabric Fatigue, Concealed Or Positional Endoleaks And AAA Sac Hygromas: How Can These Be Detected And Best Treated
Sherif A.H. Sultan, MD, PhD

10:38–10:43 How To Use 3D Fusion Software (GE) To Get Into The Nidus And Treat Type 2 Endoleaks: Best Embolic Agent And Alternate Approaches (Transgraft Or Transcaval) For Access: How To Seal The Graft Puncture Site

Mark W. Mewissen, MD

10:44–10:49 Laser Assisted Transgraft Onyx Embolization Of Type 2 Endoleaks: Indications, Equipment And Technique: How Is The Graft Puncture Site Revealed

Zvonimir Krajcer, MD

10:50–10:55 Most Type 2 Endoleaks After EVAR Should Be Left Alone Because Treatments Have Poor Results, Have Complications And Do Not Improve Outcomes: Are There Exceptions

Hence K. M. Verhagen, MD, PhD

10:56–11:01 With Type 2 Endoleaks And Sac Expansion, Open Sacotomy And Branch Ligation Is Often The Best Treatment: What Precautions Are Needed In Case There Is An Occult Type 1 Leak

Zachary M. Arthurs, MD

11:02–11:11 **Panel Discussion**

SESSION 34 (Grand Ballroom West, 3rd Floor)

TCT AND PLINIO ROSSI RECORDED LIVE COMPLEX AND CHALLENGING ENDOVASCULAR CASES

TCT RECORDED LIVE CHALLENGING ENDOVASCULAR CASES

Moderators: Juan F. Granada, MD

Sahil A. Parikh, MD

11:12–11:36 **PROGRAM TO BE DETERMINED**

(Visit www.veithsymposium.org for updates.)

PLINIO ROSSI'S RECORDED LIVE COMPLEX AND CHALLENGING ENDO CASES

Moderators: Fabrizio Fanelli, MD

Andrew Holden, MBChB

Carlo Setacci, MD

11:36–11:43 Renal Bridging Stent Rescue After EVAR

Nicola Mangialardi, MD

11:43–11:48 **Discussion**

11:48–11:55 BTK Angioplasty In A CLTI Patient: Never Give Up

Roberto Ferraresi, MD

11:55–12:00 **Discussion**

12:00– 1:35 **Celebratory Lunch Break – Rhinelander Gallery, 2nd Floor -Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 35 (Grand Ballroom West, 3rd Floor)

RECORDED LIVE CHALLENGING CASES AND INNOVATIVE TECHNIQUES FROM THE LINC GROUP

Moderators: Dierk Scheinert, MD

Andrej Schmidt, MD

Daniela Branzan, MD

1:35 – 1:46 Presentation: Calcium In BTK: What Are The Options

Andrej Schmidt, MD

1:46 – 1:57 Recorded Case: Long Segment BTK Revascularization With Orbital Atherectomy And DCB

1:57 – 2:07 Recorded Case: Reconstruction Of The Tibioperoneal Trifurcation With DES

SESSION 36 (Grand Ballroom West, 3rd Floor)

ISSUES IMPORTANT IN VASCULAR SURGERY:
PRACTICE PATTERNS, HISTORY, EFFICIENCY,
MALPRACTICE, SCIENCE, TRAINING AND
HUMAN BEHAVIOR

Moderators: Dawn M. Coleman, MD
Kim J. Hodgson, MD

- 2:08 – 2:13** Care Fragmentation In Vascular Treatment: What Is It; What Are Its Causes And What Is Its Impact On Outcomes After Vascular Procedures
Olamide Alabi MD
William D. Jordan, Jr., MD
- 2:14 – 2:19** History Of Women In Surgery And Vascular Surgery: What Does The Future Hold Within The Next 10 Years
Cynthia K. Shortell, MD
- 2:20 – 2:25** How To Improve Operating Room Efficiency For Vascular Surgical Operations: Why Is Inefficiency In This Setting So Widespread And Hard To Fix
Panos Kougias, MD, MSc
- 2:26 – 2:31** Why Non-Compete Clauses In Contracts Should be Eliminated By Law: The SVS Position In Favor Of Such Law Contrasts With The AHA Position Against
Margaret Tracci, MD, JD
- 2:32 – 2:37** Why Systematic Reviews, Meta-Analyses And RCTs Can Be Misleading: What To Do About It: Does Current Wisdom Help
Janet T. Powell, MD, PhD
- 2:38 – 2:43** Why Endovascular Treatments Are Overutilized: Who Is Responsible: How Can The Problem Be Remedied
Kim J. Hodgson, MD
- 2:44 – 2:49** Lifeline Proprietary Carotid Screening: Who Profits: Is It A Good Thing Or A Hoax; What Can It Tell Us About The Prevalence Of Asymptomatic Carotid Stenosis
William A. Gray, MD

ISSUES IN VASCULAR TRAINING

- 2:50 – 2:55** Optimal New Training Paradigm For Vascular Surgeons: 0+5 Vascular Surgery Residency Followed By 2 Years Of Cardiac Surgery Residency Training: Why Is It Better Than 2 Extra Years Of Laboratory Research
Alan B. Lumsden, MD
- 2:56 – 3:01** Integrated (0+5) Vascular Residency Plus CT Surgery Fellowship – How Many Are There; Are They Over Trained And Underutilized: How Has It Helped Me
Jennifer L. Perri, MD, MBA
- 3:02 – 3:07** Is Vascular Surgery Facing A Looming Decline Because Of Inadequate Numbers Of Both 5+2 And 0+5 Training Programs: What Should And Can Be Done About It: What Are The Impediments
Michael B. Silva, Jr., MD
- 3:08 – 3:13** How To Remedy The Deficiency Vascular Fellows And Residents Have In Their Numbers Of Open Vascular Surgical Operations: When Should They Get Additional Subspecialty Training In Another Institution
Malachi Sheahan, MD
- 3:14 – 3:19** How Human Behavior – Even With Vascular Specialists – Is Controlled By Biases And Rationalizations: How To Overcome These And Perform Better
Scott L. Stevens, MD

3:20 – 3:33 Panel Discussion And Break
Visit Exhibits And Pavilions (2nd and 3rd Floors)

SESSION 37 (Grand Ballroom West, 3rd Floor)

MORE ISSUE-RELATED TOPICS IMPORTANT TO VASCULAR SURGEONS AND VASCULAR SPECIALISTS; ISSUES RELATED TO OUTPATIENT CENTERS OR OFFICE BASED LABS (OBLs)

Moderators: Sean P. Roddy, MD
Krishna Jain, MD

3:33 – 3:38 How COVID And Changes In The Economy Have Caused Hospitals To Run Out Of Money; What Is The Resulting Impact On Vascular Care And Vascular Doctors; What Can Be Done About It

Samuel R. Money, MD, MBA

3:39 – 3:44 **DEBATE:** How Heart And Vascular Centers Are Attracting Private Equity Investment Leading To Benefits For All Concerned Including Vascular Surgeons And Their Patients

Jean Bismuth, MD

3:45 – 3:50 **DEBATE:** Heart And Vascular Centers Are Artificial Entities That Disadvantage Vascular Surgeons And Don't Improve Patient Care

Malachi Sheahan, MD

3:51 – 3:56 Vascular Spinoff Revenue In Tertiary Healthcare Systems: Substantially More Downstream Benefits From Vascular Surgeons: How To Make Hospital Administrators Appreciate The Value Of Vascular Surgeons And Reward Them Appropriately

Joseph V. Lombardi, MD

ISSUES RELATED TO OUTPATIENT CENTERS AND OBLs

3:57 – 4:02 The Ever Changing Reimbursement For Lower Extremity Endovascular Therapies In Hospitals And OBLs: Why It's Happening And Where Is It Going

Sean P. Roddy, MD

Robert M. Zwolak, MD, PhD

4:03 – 4:08 Strategies To Succeed In An OBL Despite Continuing Cuts In CMS Reimbursement

Clifford M. Sales, MD, MBA

4:09 – 4:14 **Panel Discussion**

MORE ISSUES RELATED TO OUTPATIENT CENTERS AND OBLs

4:15 – 4:20 **DEBATE:** OBLs Are Bad: Why I Choose Not To Work In An OBL

Dipankar Mukherjee, MD

4:21 – 4:26 **DEBATE:** Not True! How Can OBLs Provide Good Vascular Care With Excellent Results, Be Profitable And Still Allow Vascular Surgeons To Only Work From 8 AM To 5 PM

Mark A. Mattos, MD

4:27 – 4:32 How To Make Out-Patient Vascular Treatment Facilities (OBLs, ASCs) Safe, Effective And Profitable Without Doing Unjustified Procedures

Christopher J. Kwolek, MD, MBA

4:33 – 4:38 Comparison of Arterial Closure Devices In An OBL Setting: Which Is Best Based On An Experience With 19,000 Cases

Sam S. Ahn, MD, MBA

4:39 – 4:44 Tips For Performing High-Risk Lower Extremity Endovascular Procedures Including Redos Safely And Effectively In An OBL
Anil P. Hingorani, MD
Enrico Ascher, MD

4:45 – 4:50 OBL Audits: What Are They Looking For And How To Avoid Civil And Criminal Penalties: Do Practice Guidelines Help Or Harm
O. William Brown, MD, JD

4:51 – 4:56 **Panel Discussion**

SESSION 38 (Grand Ballroom West, 3rd Floor)

UPDATES AND ISSUES IMPORTANT TO ALL VASCULAR SURGEONS AND SPECIALISTS: FUTURE REIMBURSEMENT; VASCULAR REGISTRIES AND THE VQI, VALUE OF GUIDELINES AND RCTs; THE FDA: STATISTICS; EVIDENCE BASED MEDICINE; MISCELLANEOUS

Moderators: *Jack L. Cronenwett, MD*
Sean P. Roddy, MD

4:57 – 5:02 What Obstacles And Blows Are Vascular Surgeons And Other Vascular Specialists Facing In 2023: Will Planned Increased Reimbursement For Office And Hospital Visits Cause More Decreases In Procedural Reimbursements
Sean P. Roddy, MD

5:03 – 5:08 VQI Collaboration With The International Consortium of Vascular Registries (ICVR): How Can It Better Evaluate Aortic Endograft Performance
Adam Beck, MD

5:09 – 5:14 The Role And Value Of Guidelines And RCTs In Vascular Practice; Why Guidelines And RCTs Can Be Misleading: What To Do About The Problem
Anders Wanhainen, MD, PhD (PowerPoint Presentation With Synched Audio)

REGULATORY AND FDA ISSUES

5:15 – 5:20 How Can A Device Qualify With The FDA For BREAKTHROUGH Status And How Does It Differ From SAFER Status
Valerie M. Merkle, PhD

5:21 – 5:26 Past, Present And Future Collaboration Between Industry, Clinicians And The FDA To Address Unmet Clinical Needs: We Should Not Be Adversaries
Dorothy B. Abel, BSBME

EVIDENCE-BASED MEDICINE ISSUES

5:27 – 5:32 Improved And Simplified Clinical Trial Statistics For Dummies: Why p Values Are Decreasing In Importance And Bayesian Statistics Are Increasing In Importance: What Is The Latter
Charles C. Miller, PhD

5:33 – 5:38 Registry Based RCTs (RBRCTs): What Are They, How Do They Work And Why Are They Better Than Other Evidence-Based Techniques
Jens Eldrup-Jorvisitgensen, MD
Jack L. Cronenwett, MD

5:39 – 5:44 **Panel Discussion**

MISCELLANEOUS

- 5:45 – 5:50** Managing Various Specialties And Generations Of Specialists In A Multi-Specialty Vascular Institute Or Center: How To Satisfy Everyone And Optimize Patient Outcomes
Gary M. Ansel, MD
- 5:51 – 5:56** Despite What The New York Times And Others Say, Close Relationships Of Vascular Surgeons With Industry Are Mostly Ethical And Beneficial To Patients And Society: Pitfalls To Avoid
Bruce A. Perler, MD, MBA
- 5:57 – 6:02** Innovation In Vascular Surgery: Ideas, Funding, Partners And Intellectual Property: How To Turn Fantasy Into Reality
Jeffrey H. Lawson, MD, PhD
- 6:03 – 6:08** Current Quality Analysis For Vascular Surgeons And Vascular Specialists Does Not Reflect Quality Of Care: Why And What Can Be Done About It
Richard F. Neville, MD
- 6:09 – 6:14** Editorial Update On The JVS And All Its Progeny: Its Status And How It Will Be Improved
Ronald L. Dalman, MD
Thomas L. Forbes, MD
- 6:15 – 6:20** Effects Of The Affordable Care Act (ACA) On Vascular Surgical Outcomes: Does The Medicaid Expansion Of The ACA Improve Outcomes Or Not
Mohammad H. Eslami, MD, MPH
- 6:21 – 6:30** **Panel Discussion**
End of Program E

PROGRAM F (SESSIONS 39-46)

MORE NEW DEVELOPMENTS IN THORACIC AORTIC DISEASE, TEVAR, AORTIC DISSECTIONS, TAAAs, JUXTA- AND PARARENAL AAAs, PARALLEL GRAFTS, FENESTRATED AND BRANCHED EVAR (F/B/EVAR), MULTILAYER BARE STENTS, INFRARENAL AAAs AND STANDARD EVAR, AND HOT NEW AORTIC AND CAROTID TOPICS

Trianon Ballroom, 3rd Floor

SESSION 39 (Trianon Ballroom, 3rd Floor)

MORE TOPICS RELATED TO THE THORACIC AORTA, AORTIC DISSECTIONS, INTRAMURAL HEMATOMAS (IMHs), INFLAMMATORY ANEURYSMS AND THEIR TREATMENT

Moderators: *Ramon Berguer, MD, PhD*
Paulo E. Ocke-Reis, MD, PhD

- 6:50 – 6:55** What Is Best Medical Treatment For TBAD Patients: How Best To Control Blood Pressure And To Get Patients To Comply: They Don't
Colin D. Bicknell, MD
- 6:56 – 7:01** Requirement For Adjunctive Branch Stents After TEVAR For Complicated TBADs Is An Indicator Of Poor Prognosis: What Can Be Done To Offset It
Mark K. Eskandari, MD
- 7:02 – 7:07** Current Optimal Management Of Intramural Hematomas (IMHs): Which Ones Should Be Treated With TEVAR And What Is The Best Extent Of Aortic Coverage
Frank J. Criado, MD

- 7:08 – 7:13** Outer/Inner/Upward Branches Or Fenestrations: Strategies For Complex Aortic Repair For Patients With Chronic TBADs: What Are The Unmet Needs
Bijan Modarai, MD, PhD
- 7:14 – 7:19** Current Advances In The Treatment For Inflammatory Aneurysms: How Effective Are EVAR And TEVAR
Furuzan Numan, MD
- 7:20 – 7:25** **Panel Discussion**
- 7:25 – 7:30** **DEBATE:** The STABILISE Technique Will Lead To Paradigm Shift In The Treatment Of TBADs And Will Replace Most False Lumen Occlusion Devices And F/B/EVAR Treatments: It Relaminates The Aorta And Eliminates The False Lumen: How To Do It And Precautions
Igor A. Laskowski, MD
Josh B. Goldberg, MD
Heepeel Chang, MD
- 7:31 – 7:36** **DEBATE:** Not So Fast! A Multimodular Approach To Treating Chronic TBADs With TAAAs: Who Needs A F/B/EVAR; Who Needs A Candy-Plug Or Other Occlusion Technique
Tilo Kölbel, MD, PhD
Fiona Rohlfes, MD, PhD
- 7:37 – 7:42** When Are Thoracic Endografts Valuable Treatments For Genetic Aortopathies
Cherrie Z. Abraham, MD
- 7:43 – 7:48** What Are The Knowledge Gaps In The Treatment Of TBADs: How Can And Will They Be Resolved
Colin D. Bicknell, MD
- 7:49 – 7:54** A Recently Funded Multicenter NIH Grant (IMPROVE-AD) To Evaluate Unknowns In The Treatment Of Acute And Subacute TBADs: What Will It Tell Us And Why Was It So Hard To Get It Approved: Are There Other Similar RCTs Outside The US
Gustavo S. Oderich, MD
Firas F. Mussa, MD
- 7:55 – 8:00** **Panel Discussion**

SESSION 40 (Trianon Ballroom, 3rd Floor)

MORE ADVANCES RELATED TO TREATING PATHOLOGY INVOLVING THE ASCENDING AORTA AND THE AORTIC ARCH; AORTIC DISSECTIONS AND THEIR TREATMENT

Moderators: *Rodney A. White, MD*
Thomas S. Maldonado, MD

- 8:00 – 8:05** When In Addition To TEVAR And F/BEVAR Are False Lumen (FL) Occlusion Procedures Needed To Reduce FL Pressure And Promote Aortic Remodeling
Götz M. Richter, MD, PhD
- 8:06 – 8:11** With TAAD When And How Should The Distal Aorta Be Treated By TEVAR Before Repairing The Ascending Aorta
Ourania Preventza, MD
Joseph S. Coselli, MD
- 8:12 – 8:17** Fenestrated TEVAR Devices For The Treatment Of Post Dissection Aortic Arch False Lumen Aneurysms: What Devices Are Available, How Do They Work And Results
Nicola Mangialardi, MD

- 8:18 – 8:23** With Chronic TBADs Laser Assisted Resection Of The Dissection Membrane Creates A Single Lumen TEVAR Landing Zone: How Is The Technique Performed And Early Results
Nuno V. Dias, MD, PhD (PowerPoint Presentation With Synched Audio)
Björn Sonesson, MD, PhD
- 8:24 – 8:29** Continuing Experience For Precise TEVAR Placement In Or Near The Arch By Valsalva And PEEP (Munich Valsalva Maneuver): It Is Safe And Effective And Better Than Adenosine, Rapid Pacing And Caval Occlusion: How To Do It And Results
Nikolaos Tsilimparis, MD, PhD
- 8:30 – 8:35** **Panel Discussion**
- 8:35 – 8:40** Single, Double Or 3-Branched Endograft Devices For Arch Lesion Repairs: When Is Each Best And Why: How To Do It From A Totally Femoral Approach
Gustavo S. Oderich, MD
- 8:41 – 8:46** An Off-The-Shelf Combined Valve+Fenestrated Endograft For Treating Acute TAAAs – An Endo Bentall: Device Description, Indications And Clinical Status
Stephan Haulon, MD
- 8:47 – 8:52** Percutaneous Endovascular Arch Repair Is Feasible With The Use Of Adjuncts: The “Innominate Approach” Avoids The Need To Get Open Exposure Of The Carotid Arteries For Access: How Is It Done
Timothy A. Resch, MD, PhD
- 8:53 – 8:58** Physician Modified Double Fenestrated Stent-Grafts (PMEGs) For Total Aortic Arch Repair: Technique, Precautions And Results In 150 Cases
Ludovic Canaud, MD, PhD
- 8:59 – 9:04** Zone 0 Aortic Arch Branched Endograft Repair Is Feasible With A Mechanical Aortic Valve: Tips And Tricks For Performing It Without Impairing Valve Function
Nikolaos Tsilimparis, MD, PhD
- 9:05 – 9:11** **Panel Discussion**
- 9:11 – 9:24** **Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 41 (Trianon Ballroom, 3rd Floor)

OPEN AND ENDO TREATMENT OF COMPLEX AAAs (JUXTA, PARA- AND SUPRA-RENAL) AND TAAAs; NEW DEVICES FOR THEIR TREATMENT

Moderators: *Christopher J. Kwolek, MD, MBA*
Gilbert R. Upchurch, MD

COMPLEX AAAs AND TAAAs

- 9:24 – 9:29** Aortic Neck Dilatation And AAA Sac Shrinkage After F/EVAR Is Better Than After Standard EVAR
Thomas S. Maldonado, MD
- 9:30 – 9:35** Recent Progress In Prevention Of Spinal Cord Ischemia (SCI) Especially Paraplegia After Complex AAA And TAAA Endovascular Repairs
Adam Beck, MD
Matthew J. Eagleton, MD
- 9:36 – 9:41** Complete Aortic Endovascular Repairs (Zones 0-10) Using Parallel Endografts With A Docking Station: How And Why To Make Them Work Effectively Despite Doubts About Parallel Grafts
Manish Mehta, MD, MPH

- 9:42 – 9:47** Value Of Ch/EVAR For Juxtarenal AAAs: They Are As Safe And Effective As Any Other Procedure And Simpler: Based On A Meta-Analysis Of Mid-Term Outcomes
Joost A. van Herwaarden, MD, PhD
- 9:48 – 9:53** Key Findings From The UK-Complex Aneurysm Study (UK-COMPASS) Comparing Outcomes Of Off-Label EVAR, Open Repair And F/EVAR For Short Necked AAAs
S. Rao Vallabhaneni, MD
Michael P. Jenkins, MBBS, BSc, MS
- 9:54 – 9:59** Comparison Of Endo And Open Repair Of Post Dissection TAAAs: Which Procedure Is Best And When
Fabio Verzini, MD, PhD
- 10:00-10:05** What Is A Hybrid Repair Of A TAAA (Proximal Endograft + Distal Open Repair - The Upchurch Procedure): When Is It Indicated; What Are The Advantages And Results
Gilbert R. Upchurch, MD
Salvatore T. Scali, MD
Dean Arnaoutakis, MD
- 10:06-10:12** **Panel Discussion**
- TOPICS RELATED TO INTERESTING NEW DEVICES*
- 10:12-10:17** Update On The Incraft Endograft (From Cordis) For Standard Infrarenal EVAR: Is Its Low Profile An Advantage Or Limitation
Giovanni B. Torsello, MD
Matteo Orrico, MD
Nicola Mangialardi, MD
- 10:18-10:23** How To Prevent Patch Aneurysms After Open TAAA Repair With Long Antegrade Grafts: How To Treat Them When They Occur
Manju Kalra, MBBS
- 10:24-10:29** Can EVAR And F/EVAR Be Done Under Local Anesthesia: Can They Become Outpatient Procedures Or Office Based Lab Procedures: What Are The Contraindications
Michael C. Stoner, MD
- 10:30-10:35** WeFlow Device For Juxtarenal AAA, TAAA And Arch Repairs: A New Inner Branch And Outer Branch Approach: How Does It Work And Promising Results
Wei Guo, MD (PowerPoint Presentation With Synched Audio)
- 10:36-10:40** **Panel Discussion**

SESSION 42 (Trianon Ballroom, 3rd Floor)

PROGRESS IN TREATING ILIAC LESIONS;
ILIAC BRANCHED DEVICES (IBDs); UPDATE ON
MULTILAYER FLOW MODULATING (MLFM) AND
OTHER BARE STENTS FOR TREATING ANEURYSMS
AND DISSECTIONS

Moderators: *Thomas S. Maldonado, MD*
Rodney A. White, MD

TREATMENT OF ILIAC ANEURYSMS AND IBDs

- 10:40-10:45** Surprisingly Occlusion Of 1 Or Both Hypogastric Arteries During EVAR Does NOT Result In Serious Adverse Events: From A Large VQI Study
Heepeel Chang, MD

- 10:46-10:51** Update On The Gore IBE Excluder For Treating Iliac Aneurysms And Preserving Hypogastric Artery Flow: Why It Should Be Preserved Whenever Possible: When Can It Not Be
Michel M.P. Reijnen, MD, PhD
- 10:52-10:57** Updated Experience With Cook IBD For The Treatment Of Common Iliac Aneurysms: Including After Previous EVAR
Giovanni B. Torsello, MD
Carlos H. Timaran, MD
Andres Schanzer, MD
- 10:58-11:03** Long-Term Comparison Of The Cook Zenith And Gore Excluder IBDs: Advantages And Limitations Of Both: What Is Currently The Best Bridging Stent
Giovanni Pratesi, MD
- 11:04-11:09** An Iliac Customized Fenestrated Device (From Terumo Aortic): When And How Can It Work In Anatomies Unsuitable For Branched Endografts: Advantages And Limitations
Afshin Assadian, MD
Fadi Taher, MD
- 11:10-11:15** Update On The Advantages Of The Artivion (Formerly CryoLife/Jotec) IBD Device For Treating Common And Internal Iliac Artery Aneurysms: When Bell Bottom Technique; When IBD: From The PLIANT II Study
Lee Bouwman, MD, PhD, MSc
- 11:16-11:21** Covered Endovascular Reconstruction Of The Iliac Bifurcation (CERIB) For Preservation Of Pelvic Flow During Treatment Of Aortoiliac Occlusive Disease: How And When To Do It
Joshua D. Adams, MD
- 11:22-11:30** **Panel Discussion**
UPDATE ON MULTILAYER FLOW MODULATING (MLFM) AND OTHER BARE STENTS
- 11:30-11:35** Is There A Role For Bare Stents (Allay From Intressa, Formerly Cardiatis) In The Treatment Of Type A Aortic Dissections (TAADs)
Rodney A. White, MD
- 11:36-11:41** 8-Year Clinical Experience With Bare Stent And Chimney Graft Treatment Of TAADs
Ivo Petrov, MD, PhD
Victor S. Costache, MD, PhD
- 11:42-11:47** 3-Year Experience With Bare Stents (Allay From Intressa, Formerly Cardiatis) For The Treatment Of TAADs
Claude A. Vaislic, MD
- 11:48-11:53** Role Of Bare Metal AMDS Stents From Artivion (Formerly CryoLife/Jotec) For Repair Of Acute Type A Dissections: Indications And Results
Wilson Y. Szeto, MD
Grayson H. Wheatley, MD
- 11:54-12:00** **Panel Discussion**
- 12:00- 1:35** **Celebratory Lunch Break – Rhinelander Gallery, 2nd Floor -Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 43 (Trianon Ballroom, 3rd Floor)

MORE NEW DEVELOPMENTS IN AAA TREATMENT AND STANDARD EVAR: A NEW DEVICE TO SLOW AAA GROWTH; AAA NECK DILATATION AFTER EVAR; VALUE OF LOW PROFILE AAA ENDOGRAFTS; IMPROVED ULTRASOUND SURVEILLANCE AND ALL AAAs ARE NOT TIME BOMBS WAITING TO EXPLODE

Moderators: *Michael L. Marin, MD*

Fred A. Weaver, MD, MMM

1:35 – 1:40 Should Saccular AAAs Be Repaired At A Smaller Diameter Than Fusiform AAAs: How To Measure Saccular AAA Diameter: Should It Include The Normal Aorta Or Not

Frans L. Moll, MD, PhD

1:41 – 1:46 Decreasing Frequency Of Elective And Ruptured AAA Repairs Is Due To Epidemiology Rather Than Other Factors Like Screening

Ian Loftus, MD

Pete Holt, MD, PhD

AAA NECK BEHAVIOR AFTER EVAR

1:47 – 1:52 Optimal Stent Design And Optimal Degree Of Oversizing To Avoid Neck Dilatation And Why It Matters

Carlos Bechara, MD

1:53 – 1:58 Major Aortic Neck Dilatation Occurs Equally After EVAR And Open Repair: From The DREAM RCT: This ONLY Occurs After EVAR With Self-Expanding Endografts

Jan D. Blankensteijn, MD

1:59 – 2:04 What Should Be The Role Of Physician Modified Endografts (PMEGs) For the Treatment Of Short Or No Neck AAAs When Industry Made F/EVAR Devices Are Available: Why PMEGs Are Only Good In Some Centers: New Computer 3D Modeling Adjuncts (From Terumo) To Make PMEGs Better And Simpler

Benjamin W. Starnes, MD

2:05 – 2:10 **DEBATE:** Low Profile Devices For EVAR Are Failing: Their Future Is Questionable Based On Results Of Other Devices Like The Endurant Endograft At 10 Years (From The ENGAGE OUS Registry)

Hence J.M. Verhagen, MD, PhD

2:11 – 2:16 **DEBATE:** Not So: Ovation Stent-Grafts (From Endologix) Have Good 5-Year Results With No Neck Dilatation Or Migration Even With Challenging Neck Anatomy: Based On A Multicenter International Study Of A Low Profile Endograft

Mahmoud B. Malas, MD, MHS

2:17 – 2:22 Is AAA Thrombus More Dangerous In Women Than In Men: What Are The Dangers Of Such Thrombus

Janet T. Powell, MD, PhD

2:23 – 2:28 How Well Does Non-Fluoroscopic Guidance Using The IOPS System From Centerline Work For Performance Of Standard EVAR: Findings From The MOTION Trial

Frank J. Caputo, MD

2:29 – 2:34 Despite Great Advances With AAA Management, Little Progress Has Been Made In 2 Important Areas: Improving Indications For Treatment And Precision Of Measurement: AAAs ≤ 6.0 cm Rarely Rupture

Frank J. Criado, MD

2:35 – 2:41 Panel Discussion

SESSION 44 (Trianon Ballroom, 3rd Floor)

MORE NEW DEVELOPMENTS IN AAAs: HOW DOES THROMBUS LOAD EFFECT PROGNOSIS AFTER EVAR AND EVAS; OTHER RELATED AAA TOPICS

*Moderators: Evan C. Lipsitz, MD, MBA
Janet T. Powell, MD, PhD*

AAA SAC THROMBUS LOAD

2:41 – 2:46 Impact Of Thrombus In AAA Sac And Neck On AAA Behavior And EVAR Outcomes: How To Quantitate Thrombus Load And Distribution

Nicos Labropoulos, BSc (Med), PhD, DIC

2:47 – 2:52 **DEBATE:** Large Amount Of AAA Sac Thrombus Promotes Morbidity Without Rupture And With Rupture: By What Mechanisms Is Thrombus Harmful And How Can Thrombus Load Be Quantitated

David H. Deaton, MD

2:53 – 2:58 **DEBATE:** Large Flow Luminal Space In An AAA Sac With Minimal Mural Thrombus Is Associated With Adverse Events After EVAR: It Is More Important Than AAA Sac Size: Thrombus May Be Protective

Hence J.M. Verhagen, MD, PhD

OTHER AAA RELATED TOPICS

2:59 – 3:04 Graft Infolding: A Unique EVAR Complication: How To Prevent It And How To Treat It

Ashraf Mansour, MD

3:05 – 3:10 With Aneurysmal Disease What Causes The Aorta To Rotate: What Is The Impact Of Counterclockwise Rotation Of The Aneurysmal Aorta

Nicos Labropoulos, BSc (Med), PhD, DIC

3:11 – 3:16 Observation For Small AAAs (<5.0 cm) Is Safe And Does Not Impair Future EVAR Options

Jon S. Matsumura, MD

3:17 – 3:22 Update On Median Arcuate Ligament Syndrome (MALS): Current Status Of Its Etiological Concepts And Optimal Diagnosis And Treatment

Wilhelm Sandmann, MD

3:23 – 3:28 Update On Technical Tips To Perform SAFE Large Sheath Percutaneous Femoral Access And Closure For Complex AAA EVAR In Obese Or Scarred Groins – Even With Calcified Arteries: It Is Almost Always Possible

Barend M.E. Mees, MD, PhD

3:29 – 3:34 Increased Inflammatory Biomarkers And Increased 18F FDG Uptake On PET CT In AAA Patients Are Associated With Rapid Growth And Worse Long-Term Survival: Should These Markers Be Tested Routinely And How Should AAA Treatment Be Modified If They Are Elevated

Natzi Sakalihasan, MD, PhD

3:35 – 3:41 Panel Discussion

3:41 – 3:50 Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)

SESSION 45 (Trianon Ballroom, 3rd Floor)

HOT AORTIC TOPICS

*Moderators: Timothy A.M. Chuter, MD
Peter Gloviczki, MD*

- 3:50 – 3:55** Aorto-Enteric Fistulas Associated With Infected EVARs Or Open Prosthetic Grafts; What Are The Differences Between Them And What Are the Implications For Treatment
Salvatore T. Scali, MD
- 3:56 – 4:01** International Experience With 1,000 Physician Modified Endografts For Complex Aortic Aneurysms: When Is The Procedure A Good Thing And When Is It A Bad Thing
Nikolaos Tsilimparis, MD, PhD
- 4:02 – 4:07** Impact Of COVID, The NICE Guidelines And Changing Disease Patterns On AAA Practice In The UK: Which Is Most Important
Ian Loftus, MD
Pete Holt, MD, PhD
- 4:08 – 4:13** TEVAR For Acute Complicated TBAD: Improved Outcomes When The Endograft Is Extended To Zone 2 Versus Zone 3: Why Is This So And What To Do About The Subclavian Artery
Jean M. Panneton, MD
- 4:14 – 4:19** Safe Anticoagulation In F/B/EVAR Patients Requiring Spinal Fluid Drainage
Afshin Assadian, MD
- 4:20 – 4:25** **Panel Discussion**
- 4:25 – 4:30** Are We Overtreating AAAs: The Current Diameter Threshold For AAA Repair Is No Longer Relevant: Based On New Scrutiny Of Old Trials And A Meta-Analysis Of AAA Rupture Risk
Timothy A. Resch, MD, PhD
- 4:31 – 4:36** What Is “Failure To Rescue” After Endovascular TAAA Repairs: What Factors Are Responsible And Why Is It Important
Jade S. Hiramoto, MD
- 4:37 – 4:42** Laser In Situ F/EVAR As An Off-The-Shelf Option For Ruptured Complex Or Short Necked AAAs And Failed EVAR: Experience And Technical Tips
Timothy A. Resch, MD, PhD
- 4:43 – 4:48** 10-Year Experience Shows The Safety And Effectiveness Of Endoanchors For F/EVAR: They Support A Shortened Main Endograft Length And A Reduced Procedural Complexity
Jörg Tessarek, MD (PowerPoint Presentation With Synched Audio)
- 4:49 – 4:54** Risk Factors And Late Clinical Consequences Of AAA Neck Dilatation After EVAR With Self-Expanding Endografts: What Are The Differences In Neck Behavior After Excluder And Endurant Endografts: Based On 10-Year Results From The ENGAGE Registry
Hence J.M. Verhagen, MD, PhD
- 4:55 – 5:00** **Panel Discussion**

SESSION 46 (Trianon Ballroom, 3rd Floor)

MORE SHORT HOT NEW TOPICS RELATED TO AORTO-ILIAC AND CAROTID DISEASE AND THEIR TREATMENTS; ANTI-ATHEROSCLEROSIS VACCINE

Moderators: *Andres Schanzer, MD*
Peter F. Lawrence, MD

- 5:01 – 5:06** Are Low Profile Devices For EVAR And TEVAR Improving Or Worsening Outcomes
Naoki Fujimura, MD, PhD

- 5:07 – 5:12** Why Is It Important To Avoid “Lost To Follow Up” In AAA Studies: What Measures Can Do So
Matthew W. Mell, MD, MS
- 5:13 – 5:18** Single Access Retrograde Iliac Branch Endograft Device (IBD) Implantation: Technique, Advantages And Limitations
Mario L. Lachat, MD
- 5:19 – 5:24** Treo Endograft From Terumo Aortic For EVAR: Advantages And 5-Year Results From The US IDE Trial
Michael C. Stoner, MD
- 5:25 – 5:30** Isolated Iliac Artery Aneurysms Do NOT Rupture And Need To Be Treated Until They Are At Least 4 Centimeters In Diameter
Christopher J. Smolock, MD
- 5:31 – 5:36** How To Safely Stent The Large Fenestration Of A ZFEN Endograft When It Is Crossed By Struts: Indications For Doing So And Late Results
Luis A. Sanchez, MD
- 5:37 – 5:42** The Mega-Aortic Syndrome: What Is It: When And How Should It Be Treated
Martin Czerny, MD

5:43 – 5:49 **Panel Discussion**

CAROTID RELATED TOPICS

- 5:49 – 5:54** Transcarotid Artery Revascularization (TCAR) Versus Carotid Endarterectomy (CEA): In A Single Center Experienced In Both, Which Is Best And When
Zachary AbuRahma, DO
Ali F. AbuRahma, MD
- 5:55 – 6:00** Intracranial Angiography During TCAR: Technique And Value
Peter L. Faries, MD
Michael L. Marin, MD

MORE AORTA RELATED TOPICS

- 6:01 – 6:06** Improved Survival After Implementation Of A Large Scale Dedicated Network For Aortic Emergencies: Why The French SOS Aorta System Works
Jean-Marc Alsac, MD, PhD
- 6:07 – 6:12** How Can The Gore Recapturable C3 Excluder Endograft Be Modified As A PMEG For F/EVAR And TAAA Repair: Technique And Results
Wayne W. Zhang, MD
- 6:13 – 6:18** The Sandwich-Periscope Technique For Left Subclavian Revascularization With Zone 2 TEVAR: It May Be The Best Way And How To Do It: Technique
Sukgu Han, MD

ANTI-ATHEROSCLEROSIS VACCINE

- 6:19 – 6:24** An Interesting New Anti-Atherosclerosis Vaccine (AntheroVax): How It Works And Current Status
Nicholas Kipshidze, MD, PhD, DSc
- 6:25 – 6:30** **Panel Discussion**
End of Program F

THURSDAY, NOVEMBER 16, 2023

- 6:00 A.M. General Registration – Rhinelander Gallery, 2nd Floor
 6:00 A.M. Faculty Registration – Gramercy Suite West, 2nd Floor
 6:15 A.M. Continental Breakfast – Rhinelander Gallery, 2nd Floor

CONCURRENT THURSDAY PROGRAMS

PROGRAM G (SESSIONS 47-54)

Exciting New Or Rediscovered Techniques, Concepts Or Devices; Progress In F/B/EVAR And Parallel Grafts For Complex AAAs; Tribute To Our Military; Progress In The Treatment Of Ruptured AAAs; More About New Devices, Techniques Or Concepts; Progress In Radiation Safety

6:50 A.M. – 5:58 P.M.

Grand Ballroom East, 3rd Floor

PROGRAM H (SESSIONS 55-63)

New Or Improved Devices For: Standard EVAR, EVAS And More Complex AAAs; Repairs Of T AAAs, The Ascending Aorta, The Aortic Arch, And The Descending Aorta (TEVAR); New Devices For Treating Lower Extremity Lesions By Endo Or Open Techniques; Update On Endoanchors And Fixation Devices And New Or Improved Devices For Endovascularly Removing Clot And Occluding Blood Vessels

7:00 A.M. – 5:52 P.M.

Grand Ballroom West, 3rd Floor

PROGRAM I (SESSIONS 64-73)

Superficial Venous Disease

7:00 A.M. – 6:40 P.M.

Trianon Ballroom, 3rd Floor

PROGRAM J (SESSIONS 74-78)

Multidisciplinary Acute Stroke Management

8:00 A.M. – 12:30 P.M.

Murray Hill Suites, 2nd Floor

PROGRAM G (SESSIONS 47-54)

EXCITING NEW OR REDISCOVERED TECHNIQUES, CONCEPTS OR DEVICES; PROGRESS IN F/B/EVAR AND PARALLEL GRAFTS FOR COMPLEX AAAs; TRIBUTE TO OUR MILITARY; PROGRESS IN THE TREATMENT OF RUPTURED AAAs; MORE ABOUT NEW DEVICES, TECHNIQUES OR CONCEPTS; PROGRESS IN RADIATION SAFETY

Grand Ballroom East, 3rd Floor

SESSION 47 (Grand Ballroom East, 3rd Floor)

EXCITING NEW OR REDISCOVERED TECHNIQUES, DEVICES, CONCEPTS, TRIBUTE TO ROGER M. GREENHALGH

Moderators: *Caron B. Rockman, MD*
Richard F. Neville, MD
Frank J. Veith, MD

6:50 – 6:55 **Combating Bias In Medical And Vascular Studies And Therapeutic Decision Making: Why It Is Such A Big Deal And What To Do About It**

Matthew T. Menard, MD

- 6:56 – 7:01** Update On Remote Monitoring Of Vascular Graft Function And Other Parameters: Where Is It At And Where Is It Going
Richard F. Neville, MD
- 7:02 – 7:07** New Wearable Technologies For Telemonitoring Vascular Diseases And Their Treatments: What Are The Current UK Research Priorities: How Will They Improve Patient Care
Celia Riga, BSc, MBBS, MD
- 7:08 – 7:13** A New Core Outcome Set For Evaluating AAA Repairs: This Will Reflect What Is Currently Most Valued By Patients, Surgeons, Nurses, Industry And Others Involved In Patient Care
Janet T. Powell, MD, PhD
- 7:14 – 7:19** Update On Tissue Engineered Biological Arterial Grafts (Humacyte) In Various Vascular Beds: How Well Are They Working In Patients: 6-Year Durability Data
Todd E. Rasmussen, MD
Alexander Kersey, MD
Jeffrey H. Lawson, MD, PhD
- 7:20 – 7:25** Progress In Developing A Curved Angioplasty Balloon: How It Works And Why It's Important
Timothy A. M. Chuter, MD
- 7:26 – 7:31** **Panel Discussion**
- 7:31 – 7:36** Relining Occluded Vein Grafts With Viabahn (Gore) Stent-Grafts Or Supera (Abbott) Bare Stents Can Restore Patency And Avoid Thrombolysis Or Clot Removal: Techniques And Results
Hans Lindgren, MD, PhD (PowerPoint Presentation With Synched Audio)
- 7:37 – 7:42** Measuring Aortic Diameters Is Inaccurate And Subjective: Even With Newer Imaging Technology, One Can Make The Diameter What You Want: How Does It Invalidate Many Studies And Trials
Janet T. Powell, MD, PhD
- 7:43 – 7:48** Provider Skill Is Not Getting Appropriate Attention In The Health Care Value Equation Of Value = Outcome/ Cost: Even Within A Specialty All Doctors Are Not Equal: What To Do About It
Lars B. Lonn, MD, PhD
- 7:49 – 7:54** Performing Transplants In Ukraine During The Russian Invasion: Limitations And Gratification
Robert A. Montgomery, MD, DPhil
- 7:55 – 8:00** Pediatric Vascular Surgery – A New Subspecialty Within Vascular Surgery: What Pathologies Are Involved; Why Is It Necessary And What Resources Are Needed To Optimize Care
Alexander Fairman, MD
- 8:01 – 8:06** A Tribute To Roger M. Greenhalgh (1941-2023)
Janet T. Powell, MD, PhD
- 8:07 – 8:12** **Panel Discussion**

SESSION 48 (Grand Ballroom East, 3rd Floor)

PROGRESS IN FENESTRATED AND BRANCHED EVAR (F/B/EVAR) AND PARALLEL GRAFTS FOR COMPLEX AAAs AND TAAAs; AND RELATED TOPICS

Moderators: *Timothy A.M. Chuter, MD*
Andres Schanzer, MD
James F. McKinsey, MD

- 8:12 – 8:17** The “Shaggy Aorta”: What Is It; How Is It Determined And Quantitated; How Shaggy Does It Have To Be To Matter
Germano C.G. Melissano, MD
- 8:18 – 8:23** The US Aortic Research Consortium (US-ARC): What Is It And How Do Multicenter Systematic Studies Like It With F/B/EVAR Better Answer Clinical Questions: Is There Still Value To Single Center Studies
Andres Schanzer, MD
- 8:24 – 8:29** Value Of Parallel Endografts In The Management Of TAAAs And Other Aorto-Iliac Pathology: Why Do They Fail And How To Make Them Work
David J. Minion, MD
- 8:30 – 8:35** Branched EVAR For TAAA Repair Can Be Performed With Only Transfemoral Access Using Steerable Sheaths: How To Stabilize The Distal End Of The Sheath
Tilo Kölbel, MD, PhD
- 8:36 – 8:41** With Steerable Sheaths Upper Extremity Access With B/EVAR Is Rarely Necessary: Which Sheath Is Best And Pitfalls To Be Avoided
Eric L.G. Verhoeven, MD, PhD
- 8:42 – 8:47** Why Balloon Expandable Bridging Stent-Grafts Are Best For F/B/EVAR: Which One Is Best And Why: A US Perspective On The Advantages Of The Gore VBX Stent Graft
Mark A. Farber, MD
- 8:48 – 8:53** Updated Advantages And Disadvantages Of The BeGraft, BeGraft Plus (Bentley) And Advanta (iCAST™ – Getinge) Bridging Stents For F/B/EVAR: Experience With >2000 Target Vessels
Eric L.G. Verhoeven, MD, PhD
Athanasios Katsargyris, MD
- 8:54 – 8:59** Advantages Of The Cook Inner Branched Endograft For Repair Of TAAAs: Which Is The Best Covered Stent For The Branches
Martin J. Austermann, MD (PowerPoint Presentation With
Giovanni B. Torsello, MD Synched Audio)
- 9:00 – 9:05** New Cook Endograft With Bidirectional Inner Branches For B/EVAR: Advantages And Early Results
Nuno V. Dias, MD, PhD (PowerPoint Presentation With Synched Audio)
- 9:06 – 9:11** With Complex AAAs, When F/B/EVAR; When Parallel Grafts; When Open Repair: All Have Their Pros And Cons
Chang Shu, MD
- 9:12 – 9:17** How To Deal With Bad Necks Or No Necks In AAAs: We Need All Options: Chimneys, Endoanchors, Fenestrated And Branched Solutions: Case Selection Is The Key: How To Do It
Götz M. Richter, MD, PhD
- 9:18 – 9:26** **Panel Discussion**
- 9:26 – 9:38** **Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 49 (Grand Ballroom East, 3rd Floor)

MORE PROGRESS IN F/B/EVAR AND PARALLEL GRAFTS FOR COMPLEX AAAs AND TAAAs; AND RELATED TOPICS

Moderators: *Gustavo S. Oderich, MD*
Timothy A. Resch, MD, PhD
Frank J. Veith, MD

- 9:38 – 9:43** Update On Aortic Neck Dilatation Occurring After F/ EVAR: What Causes It And Is It Harmful To Patients
Michael P. Jenkins, MBBS, BSc, MS
- 9:44 – 9:49** Percutaneous Femoral And Axillary Access For Complex Endovascular AAA Repair: How To Do It Safely And To Safely Downsize Femoral Sheaths To More Rapidly Restore Lower Extremity Flow: Why Is It Important
Darren B. Schneider, MD
- 9:50 – 9:55** Use Of Parallel Grafts To Treat Common Iliac Aneurysms And Preserve Hypogastric Flow: Techniques, Advantages Over IBDs, Long-Term Results
Armando C. Lobato, MD, PhD
- 9:56 – 10:01** Advantages And Short-Comings Of Off-The-Shelf Endografts (Industry Made And Parallel) For Complex AAAs And TAAAs: When Are They Helpful And When Not
Mark A. Farber, MD
- 10:02–10:07** **DEBATE:** The Case Against Ch/EVAR And Parallel Grafts For Complex AAA And TAAA Repairs: F/B/ EVAR Is Much Better
Adam Beck, MD
- 10:08–10:13** **DEBATE:** Nonsense! Ch/EVAR And Parallel Grafts If Done Right Are As Safe And Effective As F/B/EVAR And In Some Cases Better And Cheaper
David J. Minion, MD
- 10:14–10:19** Parallel Endografts For Aorto-Iliac Lesions: The Good, The Bad And The Ugly: A Balanced View
Grace J. Wang, MD, MSCE
- 10:20–10:25** Pros And Cons Of Inner Versus Outer Branches In Off-The-Shelf Endovascular TAAA Repair
Timothy A. Resch, MD, PhD
- 10:26–10:31** Technical Tips To Deploy F/EVAR Endografts Precisely With Tortuous Anatomy: How To Compensate For Endograft Rotation And Still Match Fenestrations To Branch Orifices Perfectly
Neal S. Cayne, MD
Björn Sonesson, MD, PhD
- 10:32–10:37** Advantages Of Steerable (Variable Curve) Sheaths For Complex AAA And TAAA Repairs And TBADs: Which One Is Best And Why: Pitfalls And How To Prevent Them
W. Anthony Lee, MD
- 10:38–10:43** Although Some Recommend That F/EVAR Always Include 3 Vessels, 2 Vessel F/EVAR Is Effective And Durable In Some Anatomies: Which Ones, Based On A Single Center Experience And Systematic Review
Geert Willem H. Schurink, MD, PhD
- 10:44–10:52** **Panel Discussion**

SESSION 50 (Grand Ballroom East, 3rd Floor)

A TRIBUTE TO OUR MILITARY AND MILITARY PHYSICIANS: SOME MILITARY HISTORY; TREATMENT OF MILITARY AND CIVILIAN VASCULAR INJURIES AND CONTROL OF HEMORRHAGE; INNOVATIVE TECHNOLOGIES SUPPORTED BY THE DEFENSE DEPARTMENT

Moderators: Todd E. Rasmussen, MD
Wayne F. Yakes, MD

- 10:52–11:02** Battle of Takur Ghar: 20 US Army Airborne Rangers Go To Rescue 7 Navy Seals And 1 Air Force Spotter Attacked By Over 400 Al-Qaeda Forces And 2 Congressional Medal Of Honor Winners Later In That 17-Hour Battle (10-Minute Talk)
Wayne F. Yakes, MD
- 11:03–11:13** Can The US Military Avoid The Damage Of The “Peace Time Effect” And Recent Wokeness Changes To Maintain Real Combat And Surgical Readiness To Win And Avoid Needless Loss Of Life When The Next War Starts (10-Minute Talk)
Todd E. Rasmussen, MD
- 11:14–11:24** A Vascular Surgeon’s Impressions About The Terrible War In The Ukraine: Analysis Of Vascular Trauma And Late Outcomes Of Vascular Reconstructions In 70 Wounded Soldiers (10-Minute Talk)
Andriy Nykonenko, MD
- 11:25–11:30** Humanitarian Vascular Surgery: A Report On The War In Ukraine And The Role Of Non-Governmental Organizations (NGOs) To Deploy Talent To Combat Zones
Charles J. Fox, MD
- 11:31–11:36** Update Of Endovascular Resuscitation And Trauma Management: Use Of Catheter Based Treatments, Endografts And Other Devices
Tal M. Hörer, MD, PhD
- 11:37–11:42** Updated Progress And Precautions With REBOA (Resuscitative Endovascular Balloon Occlusion Of The Aorta): How Will They Make It Worthwhile For Battlefield Hemorrhage And Other Conditions
Johnathan J. Sexton, MD
Brandon Propper, MD
- 11:43–11:48** How Will We Train The Next Generation Of Surgeons To Treat Vascular Trauma: For Military Practice: For Civilian Practice: What Issues Complicate It
Paul W. White, MD
- 11:49–11:54** Update On Isolated Limb Perfusion To Enable Traumatically Amputated Limb Reimplantation
Zachary M. Arthurs, MD
- 11:55–12:00** Unique Aspects Of Major Vascular Injury And Its Treatment In The Ukraine War: From An Experience With Over 700 Major Arterial And Venous Injuries
Yuliia Nahaliuk, MD
- 12:00– 1:00** **Lunch Break – Rhinelander Gallery, 2nd Floor
Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 51 (Grand Ballroom East, 3rd Floor)

PROGRESS IN THE TREATMENT OF RUPTURED INFRARENAL AAAs, COMPLEX AAAs, TAAAs AND RELATED TOPICS

Moderators: *Thomas L. Forbes, MD*
Timur P. Sarac, MD
Frank J. Veith, MD

- 1:00 – 1:05** Complications After EVAR For Ruptured AAAs: How To Prevent Them And How To Treat Them
Tal M. Hörer, MD, PhD
- 1:06 – 1:11** The Frequency Of Ruptured AAAs Is Plummeting: What Is The Reason And Why Is It A Challenge To Training And Treatment
Ian Loftus, MD
Peter Holt, MD, PhD

- 1:12 – 1:17** Only One-Third Of Ruptured AAA Patients Were Randomized In The 3 RCTs Comparing EVAR With Open Repair: Why Does That Invalidate The Conclusion Of The RCTs That EVAR Is No Better Than Open Repair
Thomas L. Forbes, MD
- 1:18 – 1:23** Long-Term Results Of The AJAX RCT Comparing EVAR With Open Repair For Ruptured AAAs: Despite Its Flaws, EVAR Wins In The End – Especially In Patients >80
Willem Wisselink, MD
- 1:24 – 1:29** Variation In Use Of EVAR Versus Open Repair For Ruptured AAAs Depends On Training And Bias Rather Than Data, Logic Or Facts: EVAR Is Clearly The Best Treatment If It Can Be Done
Martin Malina, MD, PhD
- 1:30 – 1:35** EVAR Should Be The Standard Of Care For Most Ruptured AAAs: Reasons Why It Is Not So And How To Overcome Them
Hans-Henning Eckstein, MD, PhD (PowerPoint Presentation With Synched Audio)
Christoph Knappich, MD
- 1:36 – 1:41** A New System For Estimating AAA Wall Weakness From Gated Dynamic CT Scans: A Better Way To Predict Rupture Risk (From ViTAA Medical): How Does It Work And Where Does It Stand
Randy D. Moore, MD
Mark A. Farber, MD
- 1:42 – 1:47** Outcomes Of Ruptured AAA Repair Are Better In High Volume Institutions Both For EVAR And Open Repair: From A Meta-Analysis With >120,000 Cases
George A. Antoniou, MD, PhD, MSc
- 1:48 – 1:53** Aortic Endograft Diameter Sizing With Ruptured Aneurysms: Why Is It Different And How To Do It
Zoran Rancic, MD, PhD
- 1:54 – 1:59** With Ruptured Complex AAAs And TAAAs Parallel Grafts Are The Best Treatment: They Are Simpler, More Effective And Less Costly Than Other Treatments
Manish Mehta, MD, MPH
- 2:00 – 2:06** **Panel Discussion**

SESSION 52 (Grand Ballroom East, 3rd Floor)

MORE NEW DEVELOPMENTS IN RUPTURED AAAs AND TAAAs; WHAT IS AND SHOULD BE HAPPENING WITH AAA SCREENING

Moderators: *Keith D. Calligaro, MD*
Mario L. Lachat, MD
Benjamin W. Starnes, MD

NEW DEVELOPMENTS IN EVAR SURVEILLANCE AND AAA SCREENING

- 2:06 – 2:11** Why We Are Doing More EVAR Surveillance Than Is Needed: The EVAR Surveillance Paradox: From A Meta-Analysis Of 23,000 EVAR Patients
George A. Antoniou, MD, PhD, MSc
- 2:12 – 2:17** Update On Current Screening For AAAs In The US: Most Ruptured AAAs Occur In Patients Not Being Screened: How Should US PSTF Recommendations Be Changed And How Should Screening Groups Be Expanded
Marc L. Schermerhorn, MD
Thomas F.X. O'Donnell, MD

2:18 – 2:23 New Developments In AAA Screening: Is It Overused Or Underused: Has It Decreased Rupture Rates In Denmark Or Elsewhere: Should We Change Who Is Being Screened
Jes S. Lindholt, MD

MORE ABOUT AAA RUPTURES AND THEIR TREATMENT

2:24 – 2:29 AAA Rupture After EVAR: Endovascular Treatment Is Best In This Setting And How To Do It
David T. McGreevy, MD

2:30 – 2:35 AAA Rupture After EVAR Behaves Differently From De Novo Rupture: How Should Treatment Be Modified In Patients With Post EVAR Ruptures
Piotr Szopinski, MD, PhD

2:36 – 2:41 Update On Treating All (100%) Ruptured Thoracic And Abdominal Aneurysms Endovascularly: A 13-Year Experience Shows It Is The Best Treatment And Lowers The Turndown Rate

David T. McGreevy, MD
Thomas Larzon, MD, PhD
Mario L. Lachat, MD
Tal M. Hörer, MD, PhD

2:42 – 2:47 Applicability And Results Of Cook t-Branch OTS Endograft In Complex Aortic Aneurysms (Ruptured And Elective) With Narrow Internal Aortic Lumens: Advantages And Limitations

Ciro Ferrer, MD
Rocco Giudice, MD

2:48 – 2:53 In Situ Laser Fenestration To Facilitate Endograft Treatment Of Ruptured TAAAs: When Is It Needed; How To Do It And Results

Stephan Haulon, MD
Dominique Fabre, MD

2:54 – 2:59 Role Of In Situ F/EVAR For Treating Ruptured Complex AAAs: How To Do It And Results

Sukgu Han, MD
Fred A. Weaver, MD, MMM

3:00 – 3:05 How Can The Turndown Rate For Invasive Treatment Of Ruptured AAAs Be Decreased And Is It Worthwhile

Matthew W. Mell, MD, MS

3:06 – 3:11 Urgent And Emergent Treatment Of Symptomatic And Ruptured Aortic Pathologies Using Physician Modified Endografts (PMEGs) Based On 3D Aortic Models: Is This A Limited Or Generalizable Technique

Benjamin W. Starnes, MD

3:12 – 3:17 Update On Advances In Treatment Of Abdominal Compartment Syndrome Associated With Ruptured AAAs: When And How To Treat Medically And When And How To Treat With Opening The Abdomen

Martin Björck, MD, PhD

3:18 – 3:30 **Panel Discussion And Break**

Visit Exhibits And Pavilions (2nd and 3rd Floors)

SESSION 53 (Grand Ballroom East, 3rd Floor)

EXCITING NEW OR UPDATED CONCEPTS, TECHNIQUES AND TREATMENTS

Moderators: *Luis A. Sanchez, MD*
Reese A. Wain, MD

- 3:30 – 3:35** The CHOCO-CABANA RCT Shows The Chocolate PTA Balloon (From Medtronic) Sustained Increased Lumen Gain Compared To POBA For BTK Lesions
Gunnar Tepe, MD
Andrew Holden, MBChB
Thomas Zeller, MD
- 3:36 – 3:41** Novel Application Of Polymer Technology To Create Endogenous Tissue With Host Collagen And Endothelium Compatible With Flowing Blood: 1-Year Clinical Results Of The aXess Graft (From Xeltis)
Frans L. Moll, MD, PhD
- 3:42 – 3:47** Progress With The Retrievable Rescue Stent-Graft To Control Massive Aortic Or Caval Bleeding: How Does It Work, How Is The Device Retrieved And When Will It Be Widely Available
Bryan W. Tillman, MD, PhD
- 3:48 – 3:53** Value And Limitations Of The 355 nm Auryon B-Laser™ (From AngioDynamics) For The Treatment Of Infringuinal Atherosclerotic Disease: Results And How It Can Help Facilitate The Safe Crossing Of Otherwise Uncrossable Lesions
Luis R. Leon, Jr., MD (PowerPoint Presentation With Synched Audio)
- 3:54 – 3:59** Transradial Approaches With The Terumo R2P System Enable Endovascular Treatment Of Complex Renal, Visceral, And Lower Extremity Stenotic And Occlusive Lesions Including CTOs: Do They Work For Lesions Below The Knee
David O'Connor, MD
- 4:00 – 4:05** Improving The Function Of A Hybrid Room: What Are The Elements And How Does The “OR Black Box System” Help To Improve Operator Performance And Decrease Radiation Exposure
Isabelle Van Herzele, MD, PhD
- 4:06 – 4:11** Update On A Clampless Sutureless Technique For Performing Difficult Arterial Anastomoses Using Endograft Connectors: The VORTEC Technique – Useful When Arterial Dissection, Control And Suturing Are Challenging Or Impossible As With Heavily Calcified Arteries
Mario L. Lachat, MD
- 4:12 – 4:17** IVUS Studies Before And After PTAs With The Ultrascore Scoring Balloons (From BD) Show The Benefits Of Such Balloons And How They Work
Robert E. Beasley, MD
- 4:18 – 4:23** Femoral Vein Grafts For Arterial Procedures: How To Harvest Them Safely And Expeditiously Without Consequences To The Donor Limb: When Can They Be Uniquely Beneficial
Timur P. Sarac, MD
- 4:24 – 4:31** **Panel Discussion**

SESSION 54 (Grand Ballroom East, 3rd Floor)

PROGRESS IN RADIATION SAFETY AND MORE NEW CONCEPTS, DEVICES AND TECHNIQUES

Moderators: *Lindsay Machan, MD*
Glenn Jacobowitz, MD

WHAT'S NEW IN RADIATION SAFETY

- 4:32 – 4:37** Myths And Facts Regarding Radiation Protection And Safety: Imperfections In Protection From Leaded Glasses And Light Weight Leaded Gowns
Lindsay Machan, MD

- 4:38 – 4:43** Cancer Risk To Patients And Operators From Radiation Exposure From EVAR Peri- And Post-Operatively: Role Of Radiation Sparing Technologies
Bijan Modarai, PhD, FRCS
- 4:44 – 4:49** Small Tips And Modifications In Radiation Safety Can Make A Huge Impact On Staff Exposure: What Are They
Maarit Venermo, MD, PhD
- 4:50 – 4:56** **Panel Discussion**
NEW CONCEPTS, ETC.
- 4:56 – 5:01** The No Intervention Option For Treatment Is More Commonly Elected For Women Than Men With CLTI, AAAs, Ruptured AAAs And Thoracic Aneurysms: It Is Wrong Headed And Unfair: From The WARRIORS Trial
Janet T. Powell, MD, PhD
- 5:02 – 5:07** Endovascular Emergency Treatment Of Carotid Blowout From Head And Neck Cancer Or Carotid Patch Infections: Planning, Preparation And Technical Tips Are Essential
Michael B. Silva, Jr., MD
- 5:08 – 5:13** Hybrid Superficial Venous Arterialization For REAL No Option CLTI; Step-By-Step Technical Tips And Patterns Of Failure Which Is Common
Miguel F. Montero-Baker, MD
John H. Rundback, MD
- 5:14 – 5:19** What's New In Transvenous Liver Biopsies
Jacob Cynamon, MD
- 5:20 – 5:25** Management Of Pediatric Vascular Trauma: Evolving Endovascular Strategies, Expanded Device Availability, Technical Tips And How To Deal With Spasm
Dawn M. Coleman, MD
- 5:26 – 5:31** The Aortyx Aortic Patch: A More Compliant Way To Seal Aortic Defects: A New Endovascular Approach: How Does It Work, Improved Delivery System And Progress To Date
Vicente Rimbau, MD, PhD
- 5:32 – 5:37** Results From The AFX2-LIVE Registry: An Experience With The Outcomes Of 500 AFX EVAR Cases: Benefits, Complications And Conversions
Pasqualino Sirignano, MD
Francesco Speziale, MD
- 5:38 – 5:43** With Esophageal Cancer, When Is Prophylactic TEVAR Indicated To Prevent An Aorto-Esophageal Fistula: It Improves Palliation But Does It Improve Survival
I-Hui Wu, MD, PhD
- 5:44 – 5:49** Digital Patient Data: Artificial Intelligence (AI), Machine Learning (ML) And Sensor Technology In The New Era Of Research And Clinical Medicine: What Are They And Why You Better Get Ready
Peter A. Schneider, MD
- 5:50 – 5:58** **Panel Discussion**
End of Program G

PROGRAM H (SESSIONS 55-63)

NEW OR IMPROVED DEVICES FOR: STANDARD EVAR, EVAS AND MORE COMPLEX AAAs; REPAIRS OF TAAAs, THE ASCENDING AORTA, THE AORTIC ARCH, AND THE DESCENDING AORTA (TEVAR); NEW DEVICES FOR TREATING LOWER EXTREMITY LESIONS BY ENDO OR OPEN TECHNIQUES; UPDATE ON ENDOANCHORS AND FIXATION DEVICES AND NEW OR IMPROVED DEVICES FOR ENDOVASCULARLY REMOVING CLOT AND OCCLUDING BLOOD VESSELS

Grand Ballroom West, 3rd Floor

SESSION 55 (Grand Ballroom West, 3rd Floor)

NEW OR IMPROVED DEVICES FOR INFRARENAL AAA REPAIR WITH STANDARD EVAR

Moderators: *Thomas L. Forbes, MD*
Rossi M. Silva, MD
Enrico Ascher, MD

- 7:00 – 7:05** Real World Outcomes With The TREO Endograft (Terumo Aortic): Results From The TIGER Registry
Vicente Riambau, MD, PhD
- 7:06 – 7:11** Update On The Gore Conformable Excluder With Variable Neck Angulation Control For AAAs: Does It Enable EVARs In Patients With Otherwise Unsuitable Necks: Update On Status Of The IDE Trial And FDA Approval
Robert Y. Rhee, MD
- 7:12 – 7:17** European Status Of The Gore Conformable Excluder For EVAR: 3-Year Results From The EXCEL Registry: CE Marked Since 2016
Colin D. Bicknell, MD
Marc R.H.M. van Sambeek, MD, PhD
- 7:18 – 7:23** Altura Endograft With Kissing Proximal Stents For Standard EVAR: Advantages And Limitations: From An Updated Experience With >150 Patients And 5-Year Follow-Up
Dainis K. Krievins, MD
- 7:24 – 7:29** Advantages And Limitations Of The Cook ZENITH Alpha (Low Profile) Endograft For EVAR: Based On 3-Year Results Of The European Multicenter ZEPHYR TRIAL
Philippe W.M. Cuypers, MD, PhD
Marc R.H.M. van Sambeek, MD, PhD
Dittmar Böckler, MD
- 7:30 – 7:35** **Panel Discussion**
- 7:36 – 7:41** How And Why Do The Endurant Endograft Results For EVAR In France Differ From The Global Results: What Are The Implications
Frank R. Arko, MD
Jean-Pierre Becquemin, MD
- 7:42 – 7:47** AAA Repairs With The Endurant Endograft Outside The IFU Can Provide Acceptable Results In Some Patients: When Is This So And When Not: From The EAGLE Registry
Marc R.H.M. van Sambeek, MD, PhD
- 7:48 – 7:53** Head To Head Comparison Of Endurant And Excluder Endografts For EVAR In Challenging Asian AAA Anatomy
Naoki Fujimura, MD, PhD

7:54 – 7:59 AFX 2 Anatomically Fixed Endografts For AAA Repair: The LEOPARD RCT 5-Year Results Show It Has Similar Outcomes To Other Widely Used Proximally Fixed Endografts

Christopher J. Kwolek, MD, MBA

8:00 – 8:05 Why AFX Endografts Work Well In Conical (Flared) AAA Necks: Favorable 3-Year Results And Are There Disadvantages

Naoki Fujimura, MD, PhD

8:06 – 8:11 **Panel Discussion**

SESSION 56 (Grand Ballroom West, 3rd Floor)

NEW OR UPDATED DEVICES FOR STANDARD EVAR, EVAS (ENDOVASCULAR ANEURYSM SEALING) AND F/EVAR; ENDOGRAFTS FOR TREATMENT OF CONNECTIVE TISSUE DISORDERS

Moderators: *James H. Black, III, MD*

Margaret Tracci, MD, JD

8:12 – 8:17 Alto Endograft (From Endologix) For Standard EVAR: This Latest Modification Of The Ovation Endograft Has More Proximal Polymer Sealing Rings: Results From The ELEVATE Trial And 4+ Year Results From The New Zealand Experience Show Advantages: What Is The JAGUAR RCT

Sean P. Lyden, MD

Andrew Holden, MBChB

8:18 – 8:23 Update On The Alto Ultra Low-Profile Endograft With Adaptive Sealing Technology (From Endologix): From The ALTAIR Registry With Long-Term Results

Gianmarco de Donato, MD

8:24 – 8:29 Experience With The Nellix Endograft In 120 Patients With Up To 10 Years Follow-Up: What Is The Device's Future

Dainis K. Krievins, MD

8:30 – 8:35 Update Of A New Hybrid Device (Thoracoflo From Terumo Aortic) For TAAA Repair: How It Works, Clinical Experience And Advantages

Sebastian E. Debus, MD, PhD

F/EVAR RELATED TOPICS

8:36 – 8:41 Technical Tips To Perform F/EVAR Through Unilateral Iliac Access: Useful When Contralateral Access Is Impossible

Barend M.E. Mees, MD, PhD

8:42 – 8:47 Update On Multicenter Real World Results With F/EVAR Using The Fenestrated Anaconda (Terumo Aortic) Endograft: Advantages And Limitations

Clark J. Zeebregts, MD, PhD

Michel M.P. Reijnen, MD, PhD

Afshin Assadian, MD

ENDOVASCULAR AORTIC REPAIRS FOR CONNECTIVE TISSUE DISORDERS

8:48 – 8:53 Endovascular Repairs In Genetic Connective Tissue Aortopathies: How Genotype-Surgical Phenotype Correlation Impacts Endovascular Repair Outcomes

Sherene Shalhub, MD, MPH

8:54 – 8:59 F/B/EVAR In Patients With Connective Tissue Disorders: When And When Not: How Well Do They Work And When Not To Do Them

Piergiorgio Cao, MD

9:00 – 9:05 Value Of Endo TAAA Repair In Patients With Connective Tissue Disorders And Why Is The Gap Between Fenestration And Aortic Wall Important In F/ EVAR
Gustavo S. Oderich, MD

9:06 – 9:20 **Panel Discussion And Break**
Visit Exhibits And Pavilions (2nd and 3rd Floors)

SESSION 57 (Grand Ballroom West, 3rd Floor)
NEW OR IMPROVED DEVICES FOR THE ASCENDING AORTA, THE AORTIC ARCH OR NEAR THE ARCH

Moderators: *Tilo Kölbel, MD, PhD*
Rodney A. White, MD

9:20 – 9:25 Endovascular Repair Of Aortic Arch Lesions With In Situ Fenestration Of A Lifetech Endograft For The Graft Vessels As An Alternative To Branched Endografts
Ralf R. Kolvenbach, MD

9:26 – 9:31 Changes In The Aortic Valve And Aortic Morphometrics After Ascending Aorta And Arch Endograft Placement
Jean Bismuth, MD
Ross Milner, MD

9:32 – 9:37 New Developments With Terumo Ascending Aorta Endograft
Vicente Riambau, MD, PhD
Afshin Assadian, MD
Mo S. Hamady, MD

9:38 – 9:43 Status In The US Of The Relay Branch Investigational Device (Terumo Aortic) For Repair Of Aortic Arch Lesions: How Many Branches Can And Should Be Revascularized: Advantages And Limitations
Luis A. Sanchez, MD
Eric E. Roselli, MD

9:44 – 9:49 Nexus OTS Endograft From Endospan For Treating Zone 0 And 1 Lesions Of The Aortic Arch: How Does It Work And 4-Year Clinical Results: Status In The US
Mario L. Lachat, MD
Ross Milner, MD
Jean M. Panneton, MD
Andrew Holden, MBChB
Daniel G. Clair, MD
Nicola Mangialardi, MD

9:50 – 9:55 Status Of And When And How To Use The Gore Conformable CTAG Endograft With Variable Angulation Control Optimally: Advantages And Limitations
Sukgu Han, MD

9:56 – 10:02 **Panel Discussion**

SESSION 58 (Grand Ballroom West, 3rd Floor)
NEW OR IMPROVED DEVICES FOR THORACIC AORTIC LESION REPAIRS (TEVAR) AND FOR THORACOABDOMINAL ANEURYSM (TAAA) REPAIRS

Moderators: *Giovanni B. Torsello, MD*
Carlos H. Timaran, MD

DEVICES FOR TEVAR

- 10:02-10:07** Low Profile Devices For TEVAR And B/EVAR: Disadvantages And Advantages Based On A 10-Year Experience With Matched Patients
Giovanni B. Torsello, MD
- 10:08-10:13** Long-Term Results With The Cook ZENITH Alpha Thoracic Endograft For TEVAR In More Than 500 Patients In A Real World 10-Year Experience
Germano C.G. Melissano, MD
Roberto L.V. Chiesa, MD
- 10:14-10:19** A Modified Candy Plug Technique For False Lumen Treatment After TEVAR For TBAD
Ali Azizzadeh, MD
- 10:20-10:25** Fenestrated Endovascular Aortic Repair Plus Chimney Graft For TAAA Repairs: The FEVARCh Technique
Ross Milner, MD
- 10:26-10:31** Urgent And Emergent Endovascular Repair Of Complex AAAs And TAAAs Are Possible With Off-The-Shelf (OTS) Devices And PMEGs: When Are OTS Devices Preferable
Bernardo C. Mendes, MD
- 10:32-10:37** **Panel Discussion**
- 10:37-10:42** The Relay Pro (Terumo Aortic) Endograft For TEVAR And Its Advantages In Treating TBADs: Why Is It Better Than The Older Relay Plus Device
Javairiah Fatima, MD
Steven D. Abramowitz, MD
- 10:43-10:48** Patient Specific Custom Designed Relay Pro Endografts (Terumo Aortic): How Do They Work And What Are Their Advantages In Various Circumstances
David M. Williams, MD (PowerPoint Presentation With Synched Audio)
Mazin Foteh, MD
- 10:49-10:54** Relay Custom-Made Endografts (Terumo Aortic) For TEVAR: Why Do They Provide Better Wall Apposition For Sealing
Fadi Taher, MD
Afshin Assadian, MD

NEW OR IMPROVED ENDO DEVICES FOR TAAA REPAIRS

- 10:55-11:00** The Novel Artivion (Formerly CryoLife/Jotec) Off-The-Shelf (OTS) Inner Branched Device For TAAAs: Results And Why Is It Better Than Outer Branched OTS Devices: Are There Limitations
Lee Bouwman, MD, PhD, MSc
- 11:01-11:06** Colt 2.0 – The Technology That Evolved From An Outer To Multi Inner Branched Device: How It Works And Mid-Term Outcomes
Piotr Szopinski, MD, PhD
- 11:07-11:12** To Treat Complex TAAAs: Combination Of Relay (Terumo Aortic) TEVAR And Fenestrated And Branched EVAR Is Best: How Has The Treatment Evolved: Technical Tips And Outcomes
Mo S. Hamady, MD
- 11:13-11:18** **Panel Discussion**
- 11:19-11:24** Preloaded Fenestrated Endografts With A Modified Biport Handle (From Cook): A Way To Make F/EVAR Easier: Results From An International Multicenter Study
Nikolaos Tsilimparis, MD, PhD

- 11:25–11:30** Comparison Of The Cook t-Branch OTS Endograft Device With The E-nside (Artivion) Multibranched Device For Juxta- And Pararenal AAAs: Advantages And Limitations Of Each
Matteo Orrico, MD
Nicola Mangialardi, MD
- 11:31–11:36** Comparison Of 2 OTS Endografts For Urgent TAAA Repairs: E-nside (Artivion) Versus t-Branch (Cook): Advantages And Disadvantages Of Each
Luca Bertoglio, MD
Roberto L.V. Chiesa, MD
Germano C.G. Melissano, MD
- 11:37–11:42** Valiant Manifold OTS Endograft Device (Medtronic) For Repairing TAAAs: How Does It Work; Update On Clinical Experience And Future Prospects
Murray L. Shames, MD
- 11:43–11:48** Innovative Treatment Of The Thoracoabdominal And Pararenal Aortic Aneurysms Using Fenestrated TReO Endografts (Terumo) And Parallel VBX Stent-Grafts (Gore): Use Of The Shape Memory Impede-FXPlug To Treat Gutter Endoleaks
James F. McKinsey, MD
- 11:49–11:54** Is There A Role For Hyperbaric Oxygen Therapy In Preventing Or Treating Spinal Cord Ischemia After TAAA Repair
Thomas F. Lindsay, MDCM
- 11:55–12:00** **Panel Discussion**
- 12:00– 1:00** **Lunch Break – Rhinelander Gallery, 2nd Floor**
Visit Exhibits And Pavilions (2nd and 3rd Floors)

SESSION 59 (Grand Ballroom West, 3rd Floor)

NEW OR UPDATED INFORMATION ON RE-ENTRY DEVICES, LOWER EXTREMITY PROSTHETIC GRAFTS (SEE ALSO SESSION 28), PERIGRAFT SEROMA AND VALUE OF A PROSTHETIC PERIGRAFT SIROLIMUS PATCH

Moderators: *Samuel R. Money, MD, MBA*
Patrick J. Lamparello, MD

A NEW LOOK AT RE-ENTRY DEVICES

- 1:00 – 1:05** Pros And Cons Of Re-Entry Devices In Treating CTOs: Why, Where And When To Use Them
Maria A. Ruffino, MD

PROSTHETIC GRAFTS

- 1:06 – 1:11** Final 5-Year Results Of The ZILVERPASS RCT Comparing Prosthetic PTFE Bypasses With Zilver PTX (Cook) Stents To Treat Long Fempop Lesions: Clinical And Financial Results And Their Implications
Michel J. Bosiers, MD
Marc Bosiers, MD
- 1:12 – 1:17** The BioMimics 3D Spiral Flow Prosthetic Graft From Veryan Medical: Does It Prevent Neointimal Hyperplasia In Leg Bypasses Or A-V Access
Hosam F. El Sayed, MD
- 1:18 – 1:23** Heparin Coated (Propaten) PTFE Grafts (Gore) Versus Autologous Vein Grafts For Bypasses To Targets Above And Below The Knee: The Heparin Coated Grafts Are Better And Worth The Cost: Based On A Propensity Matching Analysis
David J. Dexter, MD

- 1:24 – 1:29** Perigraft Seromas After PTFE Lower Extremity And Aortic Arterial Grafts: Frequency, Etiology And What To Do About Them
Jae S. Cho, MD
- 1:30 – 1:35** Update On External Sirolimus Patch Wrap-Arounds For PTFE Graft Anastomoses: Do They Decrease Neointimal Hyperplasia
Sriram S. Iyer, MD

1:36 – 1:42 Panel Discussion

SESSION 60 (Grand Ballroom West, 3rd Floor)

NEW OR IMPROVED ENDOVASCULAR DEVICES FOR LOWER EXTREMITY TREATMENTS: ATHERECTOMY, STENTS, TACKS, ACCESSORIES, ETC. (SEE ALSO SESSIONS 23-27)

Moderators: *Maciej L. Dryjski, MD, PhD*
Sateesh Babu, MD
Enrico Ascher, MD

ATHERECTOMY RELATED TOPICS

- 1:42 – 1:47** The Serranator® Balloon Catheter (From Cagent Vascular) For Vessel Prep In BTK Arteries: It Makes Microserrations, Prevents Dissections, Lessens Elastic Recoil With PTA: Current Status
Steven Kum, MD
Andrew Holden, MBChB
- 1:48 – 1:53** A Balanced View Of Atherectomy In Ambulatory Surgicenters (ASCs) And OBLs In 2023: Are There Differences And Is The Procedure Overused
Krishna Jain, MD
- 1:54 – 1:59** Atherectomy: When Is It The Best Vessel Prep: What Are Its Complications: How To Prevent And Treat Them: Which Device Is Best
Theodosios Bisdas, MD
- 2:00 – 2:05** Orbital And Laser Atherectomy: Indications, Advantages And Precautions With Above And Below Knee De Novo Lesions And ISR
Craig M. Walker, MD
- 2:06 – 2:11** The Value Of Directional Atherectomy Followed By DCBs For Long Calcified Fempop Lesions As Demonstrated By The Results Of The REALITY Trial
Brian G. DeRubertis, MD

ANCILLARY TECHNIQUES

- 2:12 – 2:17** Value of Wingman Catheter (Reflow Medical) For Crossing Difficult Lesions: How Does It Work And Results
John R. Laird, MD
- 2:18 – 2:23** New Dedicated Special Tools And Devices To Facilitate Transradial Access For Lower Extremity Lesion Treatments: How Far Distally Can It Be Effective
Ramon L. Varcoe, MBBS, MS, PhD
- 2:24 – 2:30 Panel Discussion**

NEW INFORMATION ON STENTS

- 2:30 – 2:35** Advantages Of Supera Stent (Vasculomimetic – VMI; From Abbott) For Complex Fempop Occlusive Lesions: Technical Tips: They Work Even In The Subintimal Position
Erwin Blessing, MD

- 2:36 – 2:41** Updated Value Of The Supera VMI Stent For Common Femoral Artery (CFA) Occlusive Lesions: Better Than Endarterectomy: 3-Year Results And Status Of The SUPERSURG RCT (Versus Open Surgery)
Yann Gouëffic, MD, PhD
- 2:42 – 2:47** Why Are Stents In The Common Femoral Artery (CFA) Bad News: Standard Open Surgery Is Still The Best Option For Treating CFA Lesions
Domenico Valenti, DMChir, PhD
- 2:48 – 2:53** Temporary Stent Assisted DCB Angioplasty In BTK Lesions With The Spur Spiked Stent System (Reflow Medical): Update On The DEEPER OUS Trial
Thomas Zeller, MD
- 2:54 – 2:59** 10-Year Experience With Transcatheter Arterialization Of The Deep Veins: My Early Failures; The Lessons I Have Learned; How I Do Them Now With More Success: Can It Be Improved More: Value Of The LimFlow Device
Steven Kum, MD
- 3:00 – 3:06** **Panel Discussion**
- 3:06 – 3:18** **Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 61 (Grand Ballroom West, 3rd Floor)

NEW OR IMPROVED ENDOVASCULAR DEVICES FOR LOWER EXTREMITY TREATMENTS: ANGIOPLASTY BALLOONS

*Moderators: John R. Laird, MD
Thomas Zeller, MD*

- 3:18 – 3:23** Subset Analysis From The TOBA II BTK Trial Of The Tack Device (From Philips) Shows No Loss Of Efficacy With Treatment Of Longer Lesions And A High Percentage Of CTOs
Patrick J. Geraghty, MD
- 3:24 – 3:29** Value Of High-Pressure Non-Compliant Balloons For BTK Arterial Lesion Treatment: Why They Work Better And Other Technical Tips
Steven Kum, MD
- 3:30 – 3:35** How To Obtain Retrograde Access Through The Medial Or Lateral Plantar Arteries
Jos C. van den Berg, MD, PhD
- 3:36 – 3:41** Value Of The Passeo-18Lux DCB For Treating BTK And Popliteal Lesions With Or Without Bare Metal Stents
Gunnar Tepe, MD
- 3:42 – 3:47** Unfavorable Balloon (Candy) Wrap Can Cause Dissections With Angioplasty: What Is The Mechanism: How Can It Be Recognized And Dissection Avoided: When Does Dissection Have To Be Treated And When Not
Jos C. van den Berg, MD, PhD
- 3:48 – 3:53** Evidence-Based Considerations For Repairing Dissections After Angioplasty Of BTK Lesions: The Value Of Tacks
Andrew Holden, MBChB
- 3:54 – 3:59** Chocolate Touch DCBs (From TriReme Medical): How Do They Work, Advantages And Updated Clinical Results From The CHOCALATE TOUCH Trial
*Thomas Zeller, MD
Andrew Holden, MBChB*
- 4:00 – 4:06** **Panel Discussion**

SESSION 62 (Grand Ballroom West, 3rd Floor)

NEW OR IMPROVED DEVICES AND TECHNIQUES
TO PREVENT OR TREAT ENDOLEAKS OR DEVICE
MIGRATION: ENDOANCHORS, ETC.

Moderators: *William D. Jordan, Jr., MD*
Jean-Paul de Vries, MD, PhD

- 4:06 – 4:11** Endoanchors Improve Seal Zones And Outcomes With Fenestrated Endografts: When Should They Be Used And Technical Tips
Shadi J. Abu-Halimah, MD
- 4:12 – 4:17** New Developments From The ANCHOR Registry With Over 5 Years Of Follow-Up Show The Value Of Endoanchors (Medtronic) When Used Prophylactically For Certain Indications Prevent Endoleaks And Migration: Large Diameter Necks Are One Of Those Indications
William D. Jordan, Jr., MD
- 4:18 – 4:23** New Developments From The ANCHOR Registry With >5 Years Follow-Up Show That Endoanchors Can Be Used To Treat Endoleaks And Migration Effectively In Hostile Neck Anatomy: The Proof
Jean-Paul de Vries, MD, PhD
- 4:24 – 4:29** Update On The VESTECK Catheter Based Endosuturing Technology For EVAR And TEVAR Fixation: How Does It Work; How Is It Different From Endoanchors And Early Successful Clinical Results
Dainis K. Krievins, MD
Sean P. Lyden, MD
David H. Deaton, MD
- 4:30 – 4:35** Balloon Optimized Molding For Better Deployment And Sealing Of Ovation Alto (From Endologix) Low Profile Endografts For EVAR: How To Do It And How It Helps Prevent Endoleaks And Migration
David J. Minion, MD
- 4:36 – 4:42** **Panel Discussion**

SESSION 63 (Grand Ballroom West, 3rd Floor)

NEW OR IMPROVED ENDOVASCULAR DEVICES
FOR CLOT REMOVAL OR EMBOLIZATION
(SEE ALSO SESSION 30)

Moderators: *James F. Benenati, MD*
Timothy M. Sullivan, MD

CLOT REMOVING DEVICES

- 4:42 – 4:47** Newer Pharmaco-Mechanical Endovascular Clot Removal Systems: When And Why Is Each Device Best To Use
Guillermo A. Escobar, MD
- 4:48 – 4:53** Catheter Based Vacuum Assisted Thrombectomy With The Indigo Aspiration System From Penumbra For Acute Limb Ischemia: How Does It Work: Advantages And Limitations: From A Multicenter Study: Key Findings From The INDIAN Trial
Gianmarco de Donato, MD
Carlo Setacci, MD
- 4:54 – 4:59** Improved Mechanical Catheter And Computer Based Clot Removal Indigo Systems From Penumbra: Modulated Pulsed Aspiration Technology (Lightning Bolt And Thunder Bolt) For The Treatment Of Acute Arterial Clot: How It Works And Why It Improves Clot Removal In Various Vascular Beds
James F. Benenati, MD

- 5:00 – 5:05** Different Options For Thrombosuction Devices For Thrombo-Embolectomy For Treating ALI: Which Device In Which Circumstances: When Is Their Use Limited Or Effective
Athanasios Katsargyris, MD
Eric L.G. Verhoeven, MD, PhD
- 5:06 – 5:11** Technical Tips For Effective Coil Embolization: Importance Of Dense Packing; Why Non-Fibered Coils Are Better Than Fibered Coils
James F. Benenati, MD
Constantino Pena, MD
- 5:12 – 5:17** How To Treat Type 1A Endoleaks And Persistent Enlarging False Lumens After TEVAR For TBAD: Coils, Plugs And New Polymer Based Options: When Will They Work; When Will They Not: Technical Tips
Mazin Foteh, MD
- 5:18 – 5:23** Newer Vascular Occlusion Device: The Azur Device: How Does It Work And Advantages And Limitations
Karthikeshwar Kasirajan, MD
- 5:24 – 5:29** How To Insert Large Vessel Embolization Devices (POD® From Penumbra) Through Low Profile Access
Frank R. Arko, MD
- 5:30 – 5:35** Update On Onyx Liquid Embolic Occlusive Agent (From Medtronic): When And Where Is It Advantageous: Technical Tips For Use
Tal M. Hörer, MD, PhD
- 5:36 – 5:41** Update On A New Liquid Embolic Agent (Lava LES) To Control Bleeding; How Does It Work, Advantages And Pivotal Trial Results
Mahmood Razavi, MD
- 5:42 – 5:52** **Panel Discussion**
End of Program H

PROGRAM I (SESSIONS 64-73)
SUPERFICIAL VENOUS DISEASE

Trianon Ballroom, 3rd Floor

Course Leaders: *Jose I. Almeida, MD*
Lowell S. Kabnick, MD
Peter Gloviczki, MD
Thomas W. Wakefield, MD
Steve Elias, MD

SESSION 64 (Trianon Ballroom, 3rd Floor)

VENOUS CLINICAL EXAMINATION AND
HEMODYNAMICS

Moderators: *Jose I. Almeida, MD*
Lowell S. Kabnick, MD
Thomas W. Wakefield, MD
Steve Elias, MD

- 7:00 – 7:04** Introduction To Veins At VEITH
Jose I. Almeida, MD
- 7:05 – 7:10** Anatomy And Physiology Of The Venous And Lymphatic Glycocalyx
Joseph D. Raffetto, MD
- 7:11 – 7:16** What Happens When The Glycocalyx Is Damaged In The Venous And/Or The Lymphatic System
Sergio Giancesini, MD, PhD
- 7:17 – 7:22** What We Know About Genetics And Venous Disease
Alun H. Davies, MD, DM, DSc
Sarah Onida, MD, PhD

- 7:23 – 7:28** Is It Time To Revise The Definition Of Venous Reflux
Fedor Lurie, MD, PhD
- 7:29 – 7:34** How To Measure DUS Venous Reflux Volume: Is It More Important Than Reflux Time
Sergio Giancesini, MD, PhD
- 7:35 – 7:40** What Can Be Done To Repair Endogenously Or Exogenously The Glycocalyx
Joseph D. Raffetto, MD
- 7:41 – 7:46** Hemodynamics Of Reflux
Jose I. Almeida, MD
- 7:47 – 7:52** **Panel Discussion**

SESSION 65 (Trianon Ballroom, 3rd Floor)

VENOUS GUIDELINES, IMPORTANT PAPERS AND REIMBURSEMENT

Moderators: *Peter Gloviczki, MD*

Armando Mansilha, MD, PhD

- 7:53 – 7:58** European Society for Vascular Surgery Venous Guidelines
Armando Mansilha, MD, PhD
- 7:59 – 8:04** SVS, AVF, AVLS Varicose Vein Guidelines – Part 1
Peter F. Lawrence, MD
- 8:05 – 8:10** SVS, AVF, AVLS Varicose Vein Guidelines – Part 2
Peter Gloviczki, MD
- 8:11 – 8:16** So Many Different Guidelines: Does It Make Sense
Armando Mansilha, MD, PhD
- 8:17 – 8:22** Summary Of Important Venous And Lymphatic Articles – Journal of Phlebology – Editor’s Choice
Alun H. Davies, MD, DM, DSc
- 8:23 – 8:28** Summary Of Important Venous And Lymphatic Articles – Journal of Vascular Surgery Venous and Lymphatic Disorders – Editor’s Choice
Peter Gloviczki, MD
- 8:29 – 8:34** Primary Venous Insufficiency Increases Risk Of Deep Vein Thrombosis
Maxim E. Shaydakov, MD
- 8:35 – 8:40** Forecast Of Venous Reimbursement And What Can Be Done
John Blebea, MD, MBA
- 8:41 – 8:46** Sclerotherapy Of Lower Limb - Consensus Document UIP 2023
Sergio Giancesini, MD, PhD
- 8:47 – 8:52** **Panel Discussion**

SESSION 66 (Trianon Ballroom, 3rd Floor)

SUPERFICIAL VEIN TREATMENT STRATEGIES 1

Moderators: *Edward G. Mackay, MD*

Kursat A. Bozkurt, MD

- 8:53 – 8:58** The Length Of Treated Great Saphenous Vein As A Marker Of Post-Procedural Improvement In Clinical And Patient Reported Outcomes
Faisal Aziz, MD
- 8:59 – 9:04** Is Cyanoacrylate Safe to Use For Venous Ablation
Kursat A. Bozkurt, MD, PhD
- 9:05 – 9:10** What Do You Treat First In C2s With Reflux Of The GSV, SSV, And Vein Of Giacomini
Jean Luc Gerard, MD
- 9:11 – 9:16** Saphenous Sparing: Why And Instructions For Users
Sergio Giancesini, MD, PhD

- 9:17 – 9:22** Thermal Saphenous Vein Recanalization: Risk Factors
Edward G. Mackay, MD
- 9:23 – 9:28** Strategies For Recurrent Varicose Vein Disease
Felipe Coelho Neto, MD, MSc, PhD
- 9:29 – 9:34** US Glue: When I Do Not Use Cyanoacrylate
Kathleen D. Gibson, MD
- 9:35 – 9:40** Synchronous Trial 6 Months Follow-Up Data (Simultaneous AASV Treatment For Patients Undergoing GSV Ablation)
Tobias Hirsch, MD, PhD
- 9:41 – 9:46** Effects Of Truncal Ablation On Pregnancy
Kursat A. Bozkurt, MD
- 9:47 – 9:52** Saphenous Ablation On Direct Oral Anticoagulants: Is It Safe, Effective And Durable
Glenn Jacobowitz, MD
- 9:53 – 9:58** **Panel Discussion**

SESSION 67 (Trianon Ballroom, 3rd Floor)

SUPERFICIAL VEIN TREATMENT STRATEGIES II

Moderators: *Alun H. Davies, MA, DM, DSc*
Kathleen J. Ozsvath, MD

- 9:59 -10:04** Decision Making In Saphenous Ablation: What To Use When
Steve Elias, MD
- 10:05-10:10** Endovenous Foam Therapy Complications – What Now (French Government)
Matthieu M.J. Josnin, MD, PhD
- 10:11-10:16** Systematic Review: Cyanoacrylate Truncal Ablation And Its Complications
Omar L. Esponda, MD
- 10:17-10:22** Treatment For The Incompetent Sciatic Vein
Julianne Stoughton, MD
- 10:23-10:28** SVT Treatment During Pregnancy: Treatment Choices
Kathleen J. Ozsvath, MD
- 10:29-10:34** Would Treatment Of The Whole Length Of The GSV Reduce Recurrence/Reinterventions
Alun H. Davies, MA, DM, DSc
- 10:35-10:40** Thermal Ablation: Still The Gold Standard
Lowell S. Kabnick, MD
- 10:41-10:46** American Venous Forum: Venous Patient Outreach Study
Faisal Aziz, MD
- 10:47-10:52** **Panel Discussion**

SESSION 68 (Trianon Ballroom, 3rd Floor)

SUPERFICIAL VEIN TREATMENT STRATEGIES III

Moderators: *Mohamed A. Nagib, MD, PhD*
Manjit S. Gohel, MD, PhD

- 10:53-10:58** When To Use Simultaneous Foam Sclerotherapy And Thermal Treatment In Varicose Vein Treatment
Tobias Hirsch, MD
- 10:59-11:04** Complications Of Endovenous Thermal Ablation Of The GSV
Lowell S. Kabnick, MD
- 11:05-11:10** When Is It OK To Ablate The Truncal Leg Veins With Chronic Iliofemoral Outflow Obstruction
Houman Jalaie, MD, PhD
- 11:11-11:16** SVT Management: Anything New In 2023
Manjit S. Gohel, MD, PhD

- 11:17–11:22** How To Treat Vulvar Varicose Veins: Phlebectomy And/Or Sclerotherapy
Aleksandra Jaworucka-Kaczorowska, MD, PhD
- 11:23–11:28** Chronic Venous Disease Is Indicative Of A Shorter Life
Alun H. Davies, MA, DM, DSc
- 11:29–11:32** What You Should Know About Klippel-Trenaunay Syndrome
Byung-Boong Lee, MD
- 11:33–11:38** Treatment And Pitfalls: Lateral Marginal Vein
Peter Gloviczki, MD
- 11:39–11:44** Overview Of Multicenter Venclose Study And Early Results
Erin H. Murphy, MD
- 11:45–11:50** Great Saphenous Vein “Crossectomy” For Recurrence Prevention Of Varicose Vein
Mohamed A. Nagib, MD
- 11:51–11:56** **Panel Discussion**
- 11:57–12:24** **Lunch Break – Rhinelander Gallery, 2nd Floor**
Visit Exhibits And Pavilions (2nd and 3rd Floors)

SESSION 69 (Trianon Ballroom, 3rd Floor)

SUPERFICIAL VEIN TREATMENT STRATEGIES IV

Moderators: *Mikel Sadek, MD*
Lowell S. Kabnick, MD
Thomas W. Wakefield, MD

- 12:25–12:30** Does Deep Venous Reflux Matter With Superficial Ablation
Mikel Sadek, MD
- 12:31–12:36** JURY Trial
Antonios P. Gasparis, MD
- 12:37–12:42** The Thresholds Of Caprini Score Associated With Increased Risk Of Venous Thromboembolism Across Different Specialties: A Systematic Review
Tomasz Urbanek, MD, PhD
- 12:43–12:48** Proposed EFIT Classification
Lowell S. Kabnick, MD
- 12:49–12:54** Adjunctive Techniques To Minimize Thrombotic Complications Following Microfoam Ablation Of Symptomatic Truncal And Tributary Vein
Juan C. Jimenez, MD, MBA
- 12:55– 1:00** Treatment And Contemporary Outcomes Associated With Adjunct Tourniquet Use During Phlebectomy Of Complex, Voluminous Truncular Varicosities
Thomas W. Wakefield, MD
- 1:01 – 1:06** Foam Therapies (PCF Versus Pem): When To Use And Does It Make A Difference
Edward G. Mackay, MD
- 1:07 – 1:12** Risks And Contraindications Of Medical Compression Treatment – A Critical Reappraisal – An International Consensus Statement
Mark H. Meissner, MD
- 1:13 – 1:18** Sclerotherapy Of Pudendal And Vulvar Varicose Veins
Claudine M. Hamel-Desnos, MD
- 1:19 – 1:24** **Panel Discussion**

SESSION 70 (Trianon Ballroom, 3rd Floor)

SUPERFICIAL VEIN TREATMENT STRATEGIES V

Moderators: *Jose I. Almeida, MD*
Natalie A. Marks, MD, RPVI, RVT
Enrico Ascher, MD

- 1:25 – 1:30** Randomized Controlled Study Of EVLA And Foam In The SSV-FOVELASS Study: 3-Year Results
Claudine M. Hamel-Desnos, MD
- 1:31 – 1:36** US Based Ultrasound Guided Sclerotherapy 3,565 Consecutive Cases: Efficacy And Complication Rates
Natalie A. Marks, MD, RPVI, RVT
Enrico Ascher, MD
- 1:37 – 1:42** Which Saphenous Vein Recanalization Should Be Treated And By What Method – Evidence Based
Jose I. Almeida, MD
- 1:43 – 1:48** Patterns Of Anterior Saphenous Vein Reflux (A.K.A AAGSV) And Implications Of Treatment
Nicos Labropoulos, BSc (Med), PhD, DIC
- 1:49 – 1:54** Is There Any Evidence For Compression Trial Prior To Insurance Approval
Omar L. Esponda, MD
- 1:55 – 2:00** HIFU: What Do We Know And Report – Global Report
Steve Elias, MD
- 2:01 – 2:06** New Device (Compression, Oxygen, And Humidification) – Does It Improve Wound Healing
Joann M. Lohr, MD
- 2:07 – 2:12** New Devices And Not Yet Approved
Lowell S. Kabnick, MD
- 2:13 – 2:18** **Panel Discussion**

SESSION 71 (Trianon Ballroom, 3rd Floor)

AESTHETIC PHLEBOLOGY AND SCLEROTHERAPY STRATEGIES

Moderators: *Victor Canata, MD, PhD*
Steve Elias, MD

- 2:19 – 2:24** Venous Lesions Of The Face
Kasuo Miyake, MD, PhD (PowerPoint Presentation With Synched Audio)
- 2:25 – 2:30** **DEBATE:** Foam Sclerotherapy Is The Best Treatment For C1: Pro
Matthieu M.J. Josnin, MD
- 2:31 – 2:36** **DEBATE:** Foam Sclerotherapy Is The Best Treatment For C1: Against
Edward G. Mackay, MD
- 2:37 – 2:42** Ultrasound Guided Foam Sclerotherapy For Reticular Venous Plexus: Systematization Of The Technique
Alvaro Orrego, MD
- 2:43 – 2:48** Ultrasound Imaging For Cosmetic Venous Issues
Nicos Labropoulos, BSc (Med), PhD, DIC
- 2:49 – 2:54** CLaCS Guided By Augmented Reality: Patient Selection, Method And Expected Results
Kasuo Miyake, MD, PhD (PowerPoint Presentation With Synched Audio)
- 2:55 – 3:00** Tips And Tricks Of Sclerotherapy – What Makes It Easier And Successful
Victor Canata, MD, PhD
- 3:01 – 3:06** How To Avoid Complications From Sclerotherapy
Harold J. Welch, MD
- 3:07 – 3:12** Cosmetic Treatment Of Hand And Foot Veins
Julianne Stoughton, MD
- 3:13 – 3:18** Quick Case 1: Ask The Panel Or Audience What Would You Do (Cosmetic)
Steve Elias, MD

3:19 – 3:24 Quick Case 2: Ask The Panel Or Audience What Would You Do (Cosmetic)
Edward G. Mackay, MD

3:25 – 3:30 **Panel Discussion**

SESSION 72 (Trianon Ballroom, 3rd Floor)

SUPERFICIAL VEIN TREATMENT STRATEGIES VI

Moderators: *Raghu Kolluri, MD*
Gloria Salazar, MD

3:31 – 3:36 Global Epidemiology Of Chronic Venous Disease: A Systematic Review With Pooled Prevalence Analysis
Alun H. Davies, MD, DM, DSc
Sarah Onida, MD, PhD

3:37 – 3:42 When Evaluating Superficial Disease, When Do You Look For Deep Venous Obstruction
Gloria Salazar, MD

3:43 – 3:48 Not All C2 Disease Should Be Treated: An Algorithm To Predict Severity
Mikel Sadek, MD

3:49 – 3:54 Results Of Truncal Vein Ablation Utilizing Polidocanol Endovenous Microfoam Delivered In A Retrograde Fashion
Steven T. Deak, MD

3:55 – 4:00 Varithena® VLU Registry: The Effects Of Polidocanol Endovenous Microfoam On Wound Healing And Recurrence
Raghu Kolluri, MD

4:01 – 4:06 Phlebectomy And Foam Sclerotherapy For Varicose Veins: Which Is Better And When
Felipe Coelho Neto, MD, MSc, PhD

4:07 – 4:12 Ambulatory Phlebectomy – Utilization And Clinical Outcomes
John Blebea, MD, MBA

4:13 – 4:18 Outcome Of A Single Center Trial Comparing A Large Patient Cohort With Retrograde Administration Of Ultrasound-Guided Polidocanol Endovenous Microfoam Versus Endovenous Laser
Steven T. Deak, MD

4:19 – 4:24 Radiofrequency Ablation Versus Polidocanol Endovenous Microfoam Ablation Of Large Diameter Saphenous And Tributary Veins
Juan Jimenez, MD

4:25 – 4:30 How To Survive An Insurance Audit
Harold J. Welch, MD

4:31 – 4:36 Venaseal Spectrum RCT: Update
Manjit S. Gohel, MD

4:37 – 4:42 VERITAS Study: Polidocanol Endovenous Microfoam Versus Thermal
Steve Elias, MD

4:43 – 4:48 How To Avoid Complications Of The Small Saphenous Vein
Jean Luc Gerard, MD

4:49 – 5:04 **Panel Discussion**

SESSION 73 (Trianon Ballroom, 3rd Floor)

LIPHEDEMA, LYMPHEDEMA, PHLEBOLYMPHEDEMA, AND ULCERS

Moderators: *Thomas F. O'Donnell, Jr., MD*
Mark D. Iafrati, MD

- 5:05 – 5:10** Lower Extremity Edema Workup
Antonios P. Gasparis, MD
- 5:11 – 5:16** What is Lipedema And The Current Management
Steven M. Dean, DO
- 5:17 – 5:22** Overview Of Lymphatic Anatomy And Physiology
Thomas F. O'Donnell, Jr., MD
- 5:23 – 5:28** The American Venous Forum, American Vein & Lymphatic Society, And The Society for Vascular Medicine Expert Opinion Consensus On Lymphedema Diagnosis And Treatment
Mark D. Iafrati, MD
- 5:29 – 5:34** The Critical Role Of Phlebolymphe­dema And Cellulitis (85,000 Patients)
Thomas F. O'Donnell, Jr., MD
- 5:35 – 5:40** Venolymp­hatic Edema And Its Treatment Options
Raghu Kolluri, MD
- 5:41 – 5:46** The Need For Lymphatic-Specific Treatment In Phlebolymp­hede­ma And Its Results
Thomas F. O'Donnell, Jr., MD
- 5:47 – 5:52** Role Of Hydrotherapy In Lymphede­ma Treatment
Mohamed A. Nagib, MD
- 5:53 – 5:58** Are Lymphede­ma, Lipede­ma, And Edema Related
Steven M. Dean, DO
- 5:59 – 6:04** Pharmacological Treatment For Lymphede­ma
Monika L. Glociczki, MD, PhD
- 6:05 – 6:10** Risks And Contraindications Of Medical Compression Treatment – A Critical Reappraisal: An International Consensus Statement
Tomasz Urbanek, MD, PhD
- 6:11 – 6:16** Venous Ulcers: The Contributions Of Deep, Perforator, And Superficial Procedures On Wound Healing
Peter F. Lawrence, MD
- 6:17 – 6:22** What Type Of Skin Graft And When To Use
Mark D. Iafrati, MD
- 6:23 – 6:28** Adjuvant Pharmacologic Therapy For Venous Leg Ulcer
Monika L. Glociczki, MD, PhD
- 6:29 – 6:34** Review Of Current Evidence For Topical Treatment For Venous Leg Ulcers
Maxim E. Shaydakov, MD
- 6:35 – 6:40** **Panel Discussion**
End of Program I

PROGRAM J (SESSIONS 74-78)

**MULTIDISCIPLINARY ACUTE STROKE
MANAGEMENT**

Murray Hill Suites, 2nd Floor

Course Leader: **Allan L. Brook, MD**

SESSION 74 (Murray Hill Suites, 2nd Floor)

**EMERGING TRENDS IN ISCHEMIC STROKE
TREATMENT**

Moderators: **Allan L. Brook, MD**
Joshua A. Hirsch, MD

8:00 – 8:10 Introduction
Allan L. Brook, MD

- 8:11 – 8:18** Latest Trials Update: Understanding The Evidence – ASPECTS 3-5
David S. Liebeskind, MD (PowerPoint Presentation With Synched Audio)
- 8:19 – 8:26** Latest Trials Update: ASPECTS 3-5 Nuances And Practicality
Rafael A. Ortiz, MD
- 8:27 – 8:34** Imaging Predictors Of Outcomes – Association Between New Water Uptake And Functional Outcome In Patients With Low ASPECTS
Richard L. Zampolin, MD

SESSION 75 (Murray Hill Suites, 2nd Floor)

ACCESS ISSUES (PROXIMAL AND DISTAL): PEARLS

Moderators: *Allan L. Brook, MD*
Joshua A. Hirsch, MD

- 8:35 – 8:42** Can You Be Too Distal For Thrombectomy
David Fiorella, MD, PhD
- 8:43 – 8:50** Tandem Occlusions: Should We Stent
James Milburn, MD
- 8:51 – 8:58** Direct Carotid Access: Has The Time Emerged
Ajay K. Wakhloo, MD, PhD (PowerPoint Presentation With Synched Audio)
- 8:59 – 9:06** Mevo And Devo: Definition And Review Literature, When And How I Do It
Sudhakar R. Satti, MD
- 9:07 – 9:14** Intrasaccular Treatments Are Now The Standard Of Care And Why
David J. Altschul, MD

SESSION 76 (Murray Hill Suites, 2nd Floor)

ACUTE STROKE THROMBECTOMY MASTERS SESSION

Moderators: *David Gordon, MD*
Neil Haranhalli, MD

- 9:15 – 9:22** DAPT: Acute Platelet Loading Protocols, Cangrelor, And Optimizing Blood Pressure Post-Thrombectomy When Acute Stenting
David Fiorella, MD, PhD
- 9:23 – 9:30** Radial Access And Complication Management
Eytan Raz, MD
- 9:31 – 9:38** Step-By-Step How I Choose My Thrombectomy Equipment
Chirag D. Gandhi, MD
- 9:39 – 9:46** What Are The Limits To Acute Stroke Thrombectomy In Our Population
Ansaar T. Rai, MD
- 9:47 – 9:54** Acute Ischemic Stroke – Who We Should NOT Treat
Johanna Seiden, MD, MPH

SESSION 77 (Murray Hill Suites, 2nd Floor)

CAROTID AND CEREBRAL ANEURYSMS LATEST TRENDS

Moderators: *Peter K. Nelson, MD*
Allan L. Brook, MD

- 9:55 – 10:10** **Keynote Presentation:** An Endovascular Experience From The War Zone In Ukraine
Peter K. Nelson, MD
- 10:11 – 10:18** Carotid Blowout: Role Of Endovascular Care And Timing Of Treatment
Guilherme Dabus, MD

- 10:19–10:26** The Posterior Circulation Is Different And Why It Matters
Maksim Shapiro, MD
- 10:27–10:34** A Neiman Fellow Analyzes Trends In Stroke
Joshua A. Hirsch, MD
- 10:35–10:42** Stroke Imaging Triage: Pearls And Nuances Of Daily Practice
Reade A. De Leacy, MBBS
- 10:43–10:50** Pediatric Stroke Issues
Mario Muto, MD
- 10:51–10:58** CTA For Stroke And Aneurysm Detection And Optimization
Lawrence N. Tanenbaum, MD
- 10:59–11:06** When My Partners Have Stroke Complications, How I Manage
Peter K. Nelson, MD
- 11:07–11:14** Dural Sinus Stenosis: Is There A Standard Of Care
Seon-Kyu Lee, MD, PhD
- 11:15–11:22** Artificial Intelligence And Telemedicine: How It Is Changing And Influencing Our Daily Practice
Allan L. Brook, MD
- 11:23–11:30** MMA Embolization: SDH – When And When Not To Do
J Mocco, MD, MS

SESSION 78 (Murray Hill Suites, 2nd Floor)

CAROTID ARTERY THERAPY STARS AND LATEST TRENDS

Moderators: *Thomas G. Brott, MD*
Don Heck, MD
Frank J. Veith, MD

- 11:31–11:38** Carotid Artery Disease: New Trials And Best Literature 2023
Thomas G. Brott, MD
- 11:39–11:46** TCAR Is Better Than True Percutaneous Carotid Stenting: Myth Or Reality
Peter A. Schneider, MD
- 11:47–11:54** CAS Versus CEA: Optimum Cases For Each (Kumbaya)
Don Heck, MD
- 11:55–12:02** CEA Done Through A Micro-Incision Versus TCAR: Reality Drama At Its Best
Enrico Ascher, MD
- 12:03–12:10** Long-Term Value Of The C-Guard MicroNet Mesh Covered Stent For CAS In High Risk Carotid Lesions Versus Surgery: TCAR Pearls And Wisdom Of Data
D. Christopher Metzger, MD
Piotr Musialek, MD
- 12:10–12:30** **Panel Discussion**
End of Program J

FRIDAY, NOVEMBER 17, 2023

6:00 A.M. General Registration – Rhinelander Gallery, 2nd Floor

6:00 A.M. Faculty Registration – Gramercy Suite West, 2nd Floor

6:15 A.M. Continental Breakfast – Rhinelander Gallery, 2nd Floor

CONCURRENT FRIDAY PROGRAMS

PROGRAM K (SESSIONS 79-86)

Progress In The Prevention And Treatment Of Spinal Cord Ischemia (SCI) With TAAAs And Complex Aortic Aneurysm Repairs; New Developments In Carotid Artery Disease And Its Treatment: Mesh Covered Stents And TCAR, Cognitive Changes, Timing Of Treatment, Medical Treatment, Update On Carotid Trials, Treatment Of Asymptomatic Carotid Stenosis (ACS), String Sign, Carotid Clot, Significance Of MRI Lesions, Carotid Controversies And More Carotid Topics; Other New Endovascular Treatment Concepts, Techniques; Update On Percutaneous Access Closure Devices And Wound Care

6:40 A.M. – 5:56 P.M.

Grand Ballroom East, 3rd Floor

PROGRAM L (SESSIONS 87-94)

New Developments In The Treatment Of Popliteal Disease: Aneurysms, Entrapment And Occlusive Lesions; Advances In Treating Arterial And Graft Infections; Advances In Vascular Imaging And Guidance; Augmented Reality And Artificial Intelligence; Recorded Live Complex Endovascular Cases From Münster, Germany; New Developments In Thoracic Outlet Syndrome Management; Advances In Medical, Drug, Anticoagulant And Rare Vascular Disease Treatment; And Advances In The Treatment Of Vascular Trauma

6:52 A.M. – 5:40 P.M.

Grand Ballroom West, 3rd Floor

PROGRAM M (SESSIONS 95-104)

Deep Venous Disease

7:00 A.M. – 5:57 P.M.

Trianon Ballroom, 3rd Floor

PROGRAM K (SESSIONS 79-86)

PROGRESS IN THE PREVENTION AND TREATMENT OF SPINAL CORD ISCHEMIA (SCI) WITH TAAAs AND COMPLEX AORTIC ANEURYSM REPAIRS; NEW DEVELOPMENTS IN CAROTID ARTERY DISEASE AND ITS TREATMENT: MESH COVERED STENTS AND TCAR, COGNITIVE CHANGES, TIMING OF TREATMENT, MEDICAL TREATMENT, UPDATE ON CAROTID TRIALS, TREATMENT OF ASYMPTOMATIC CAROTID STENOSIS (ACS), STRING SIGN, CAROTID CLOT, SIGNIFICANCE OF MRI LESIONS, CAROTID CONTROVERSIES AND MORE CAROTID TOPICS; OTHER NEW ENDOVASCULAR TREATMENT CONCEPTS, TECHNIQUES; UPDATE ON PERCUTANEOUS ACCESS CLOSURE DEVICES AND WOUND CARE

Grand Ballroom East, 3rd Floor

SESSION 79 (Grand Ballroom East, 3rd Floor)

PROGRESS IN THE PREVENTION AND TREATMENT OF SPINAL CORD ISCHEMIA (SCI) ASSOCIATED WITH THE TREATMENT OF THORACIC, THORACOABDOMINAL AND COMPLEX ABDOMINAL ANEURYSMS

Moderators: *Germano C.G. Melissano, MD*
Christian D. Etz, MD
Salvatore T. Scali, MD

- 6:40 – 6:45** Key New Concepts Presented At A Recent International Summit Conference On Spinal Cord Ischemia (SCI)
Hamdy Awad, MD
- 6:46 – 6:51** With Complex AAAs And Type IV TAAAs, The Incidence Of SCI Is 3 Times Greater With Endovascular Repairs Than Open Repairs: Why Is This A Controversial Finding
George Geroulakos, MD, PhD
- 6:52 – 6:57** With Endovascular Repair Of TAAAs, Analysis Of Aortic Anatomy And Extent Of Endograft Coverage Allows Prediction Of SCI And Its Neurological Consequences: What Can Be Done To Reduce This Risk
Bijan Modarai, PhD
- 6:58 – 7:03** Shifts In Prevention Protocols For SCI During Open And Endovascular TAAA Repairs: What Is Agreed On And What Remains Controversial
Germano C.G. Melissano, MD
Roberto L.V. Chiesa, MD
- 7:04 – 7:09** Update On The Value Of Motor Evoked Potentials (MEPs) To Decrease SCI With TAAA Repairs: What Is The Difference Between Peripheral And Central SCI
Geert Willem H. Schurink, MD, PhD
Barend M.E. Mees, MD, PhD
Michael J. Jacobs, MD
- 7:10 – 7:15** **DEBATE:** Why Cerebrospinal Fluid (CSF) Drainage To Decrease SCI With TAAA Repair Is Not A Benign Procedure: When To Use It And When Not
Gustavo S. Oderich, MD
- 7:16 – 7:21** **DEBATE:** CSF Drainage Need Not Be Associated With High Rates Of Complications: How To Prevent Them And The Case For Wide Prophylactic Placement
Salvatore T. Scali, MD
- 7:22 – 7:27** Prevention Of Spinal Cord Ischemia In Endovascular TAAA Repairs: Lessons Learned From The US Aortic Research Consortium (USARC): Why An RCT Is Still Needed And Being Initiated
Adam Beck, MD
Mark A. Farber, MD
Andres Schanzer, MD
- 7:28 – 7:33** Near Infrared Spectrometry (NIRS) Monitoring Is Helpful In Decreasing SCI And Avoiding Spinal Drainage With TAAA Repairs: When And How Should It Be Used
Carlos H. Timaran, MD
- 7:34 – 7:39** Current Strategies To Minimize SCI With TAAA Repairs (Endo And Open) By Improving The Intraspinal Collateral Arterial Network: Status Of Intercostal Embolization As Preconditioning To Prevent Ischemia (MIS2ACE): Progress Of The PAPA-ARTIS RCT
Christian D. Etz, MD, PhD

- 7:40 – 7:45** Updated Single Center Clinical Experience With Intercostal Coil Embolization (MIS2ACE) To Prevent SCI With Endovascular TAAA Repair
Daniela Branzan, MD
Andrej Schmidt, MD
Christian D. Etz, MD, PhD

7:46 – 7:53 Panel Discussion

SESSION 80 (Grand Ballroom East, 3rd Floor)

NEW DEVELOPMENTS IN THE TREATMENT OF CAROTID STENOSIS WITH MESH COVERED STENTS AND TCAR (TRANSCERVICAL CAROTID ARTERY REVASCULARIZATION)

Moderators: Klaus D. Mathias, MD
Sumaira Macdonald, MD, PhD

MESH COVERED STENTS

- 7:53 – 7:58** Long-Term Results Of Micromesh Stents Show Their Value In Carotid Artery Stenting (CAS): Are There Limitations: Do The Differences In The 3 Micromesh Stents Matter
D. Christopher Metzger, MD
Max Amor, MD
- 7:59 – 8:04** Update On The MicroNet-Covered Stents (C-Guard From InspireMD) For CAS: Value Overall, With High-Risk Lesions And With TCAR: Are There Any Downsides
Piotr Musialek, MD, DPhil
Stefan Müller-Hülsbeck, MD
- 8:05 – 8:10** New Multicenter Data Showing The Long-Term Value Of The C-Guard MicroNet Mesh Covered Stent For CAS In High Risk Carotid Lesions (Thrombotic, Calcified And Symptomatic) From The FLOW-GUARD And Other Trials
D. Christopher Metzger, MD
Piotr Musialek, MD, DPhil
- 8:11 – 8:16** Results From A Multicenter Italian Study Of The C-Guard Micromesh Stent For CAS: Advantages And Complications
Pasqualino Sirignano, MD
Francesco Speziale, MD
Gianmarco de Donato, MD
Wassim Mansour, MD
Carlo Setacci, MD
- 8:17 – 8:22** Real-World Results Of ~2,000 Patients Treated With The Roadsaver (Terumo) Dual-Layer Micro Mesh Carotid Stent: Advantages And Limitations
Stefan Müller-Hülsbeck, MD
- 8:23 – 8:28 Panel Discussion**

TCAR RELATED TOPICS

- 8:29 – 8:34 DEBATE:** TCAR Versus CEA (Carotid Endarterectomy): 3-Year Results From A Large Propensity Matched VQI-Medicare Database Show Similar Stroke, And Death Rates At 3 Years For Symptomatic And Asymptomatic Patients: At 3-Years: TCAR Can Replace CEA More Widely
Mahmoud B. Malas, MD, MHS
Marc L. Schermerhorn, MD
Vikram S. Kashyap, MD

- 8:35 – 8:40** **DEBATE:** Not So Fast: TCAR Is Not Yet Ready To Replace CEA Widely: We Still Need Further Proof And More Studies Possibly Including An RCT
Bruce A. Perler, MD, MBA
- 8:41 – 8:46** How Adjunctive Techniques (EEG And IVUS) Help With TCAR And Decrease Stroke Rates
Todd R. Vogel, MD, MPH
- 8:47 – 8:52** **DEBATE:** TCAR Is Better Than TFCAS And Brachial/Radial Access For CAS
Marc L. Schermerhorn, MD
Mahmoud B. Malas, MD, MHS
- 8:53 – 8:58** **DEBATE:** Not So: TCAR Is No Better And Is More Costly Than TFCAS And Brachial/Radial Access CAS If One Has Appropriate Skills
D. Christopher Metzger, MD
William A. Gray, MD
- 8:59 – 9:04** Should TCAR Replace Most CEAs Or Is CEA Still The Gold Standard For Most Cases Requiring Invasive Treatment Based On A Cost Analysis
Michel Makaroun, MD
- 9:05 – 9:10** TCAR Is Safe In Recently Symptomatic Patients And Those With Contralateral Carotid Occlusions: Why It Should Be The Procedure Of Choice In Those Conditions
Peter A. Schneider, MD
- 9:11 – 9:16** Pre-Dilatation And Post Dilatation Strategies For TCAR: Do They Differ From TFCAS: Does Patient Sex Affect TCAR Outcomes
Vikram S. Kashyap, MD
- 9:17 – 9:24** **Panel Discussion**
- 9:24 – 9:34** **Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 81 (Grand Ballroom East, 3rd Floor)

MORE CAROTID HOT TOPICS RELATED TO TCAR, MINI-INCISION CEA, SIGNIFICANCE OF DW MRI DEFECTS AND COGNITIVE FUNCTION

Moderators: *Thomas G. Brott, MD*
Ross Naylor, MD
Michael B. Silva, Jr., MD

- 9:35 – 9:40** Image Analysis Using AI With Siemens I-Flow Can Improve Prediction Of Stroke Risk In Carotid Disease: How Does It Work And How Reliable Is It
Ravi K. Veeraswamy, MD

CAROTID STENOSIS AND COGNITIVE FUNCTION

- 9:41 – 9:46** Asymptomatic Carotid Stenosis (ACS) Is Associated With Cognitive Impairment In CREST 2: Will CREST 2 Provide Evidence That Invasive Intervention Will Stop Or Improve Cognitive Deterioration: Has It Yet Done So
Wesley S. Moore, MD
Brajesh K. Lal, MD
Thomas G. Brott, MD
- 9:47 – 9:52** **DEBATE:** Carotid Intervention Improves Cognitive Function Of Patients With Severe Carotid Atherosclerosis: What About In Octogenarians: Should More ACS Patients Undergo Invasive Treatment
Wei Zhou, MD

- 9:53 – 9:58** **DEBATE:** Not So Fast: There Is Still Great Doubt That Eliminating ACS Improves Cognitive Function: It Should Not Be A Reason For Treating More ACS Patients
Kosmas I. Paraskevas, MD
- SIGNIFICANCE OF SMALL DW MRI DEFECTS AFTER CEA/CAS**
- 9:59 – 10:04** **DEBATE:** Silent DWI MRI Brain Lesions (Small Infarcts) After CEA/CAS Don't Matter
Thomas G. Brott, MD
James F. Meschia, MD
- 10:05–10:10** **DEBATE:** Not So: Silent Brain Infarcts (DW MRI Defects) After CEA/CAS Really Matter And Affect Cognitive Changes: The Size And Number Of DW MRI Defects Are Critical
Wei Zhou, MD
- 10:11–10:16** Highlights Of The 2022 SVS US Guidelines For The Management Of Carotid Disease: How Important Is Medical Treatment And Has It Changed
Ali F. AbuRahma, MD
- 10:17–10:22** Highlights Of The 2023 European Guidelines For The Management Of Carotid Disease And How They Differ From The US Guidelines
Ross Naylor, MD
- 10:23–10:30** **Panel Discussion**
- SESSION 82 (Grand Ballroom East, 3rd Floor)
MORE CAROTID RELATED NEW DEVELOPMENT TOPICS RELATED TO TCAR, NEW DEVICES, MESH COVERED STENTS, MINI-INCISION CEA, TIMING OF TREATMENT, MEDICAL TREATMENT AND DEALING WITH DISTAL (HIGH) CAROTID LESIONS
Moderators: Richard J. Powell, MD
Wei Zhou, MD
Frank J. Veith, MD
- 10:30–10:35** Comparative Cost Effectiveness Of TCAR, CEA, TFCAS: CEA Is More Cost Effective Than TCAR And TCAR Is More Cost Effective Than TFCAS
Mohammad H. Eslami, MD, MPH
- 10:36–10:41** **DEBATE:** Since TCAR Already Has It, Reimbursement For Transfemoral And Transbrachial Carotid Stenting Should Be Expanded To Include Asymptomatic Patients
Thomas G. Brott, MD
- 10:42–10:47** **DEBATE:** There Should Be No Reimbursement For Carotid Stenting (CAS Or TCAR) For Asymptomatic Or Symptomatic Patients
Anne L. Abbott, MD, PhD
- 10:48–10:53** Value Of Lithotripsy (Shockwave) For CAS In Heavily Calcified Lesions: How To Do It Safely And Technical Tips: Limitations And Precautions: A Quick Word About The Value Of Lithotripsy In All Vascular Beds
Frank R. Arko, MD
Max Amor, MD
- 10:54–10:59** OCT Optical Coherence Tomography (OCT) Proves CAS Is Rendered Safer Because Emboli Are Decreased By Mesh Covered Stents: The Imaging Evidence And What It Shows About The Interaction Between Stent And Plaque
Carlo Setacci, MD
Francesco Setacci, MD

- 11:00–11:05** Minimal Incision CEA (MICE) Versus TCAR: Technical Tips For MICE, Cost Effectiveness, Advantages And Limitations Of Both
Enrico Ascher, MD
- 11:06–11:12** **Panel Discussion**
TIMING OF CAROTID INTERVENTIONS AFTER SYMPTOM ONSET
- 11:12–11:17** Optimal Timing Of Carotid Revascularization (CEA, TFCAS, TCAR) After Symptom Onset: Within 48 Hours Stroke Risk Is Increased For All Procedures; After 48 Hours Risk Is Less With CEA And TCAR Than With TFCAS: Based On A Large National Database Study: Can Artificial Intelligence (AI) Help To Predict Stroke Risk
Mahmoud B. Malas, MD, MHS
- 11:18–11:23** **DEBATE:** It's Reasonable To Perform CEA Within 48 Hours After A Stroke's Symptoms Start: Under What Conditions And What Precautions Should Be Taken
R. Clement Darling III, MD
- 11:24–11:29** **DEBATE:** Not So Fast: If The Presenting Stroke Is Severe By NIH Severity Score, The Outcome Of Urgent Interventions (CEA, CAS, TCAR, Etc.) Is Poor: Should They Always Be Avoided
Hernan A. Bazan, MD
- 11:30–11:35** With Crescendo TIAs And Thrombus Overlying A Plaque What Is The Best Invasive Treatment And When Should It Be Performed
Domenico Valenti, DMChir, PhD
- 11:36–11:41** When Is Urgent (Within 48 Hours) CEA Or CAS Fairly Indicated After A Stroke: How Does Use Of tPA Influence Indications And Neurologic Outcomes In This Setting
Hernan A. Bazan, MD
- 11:42–11:47** What Is The Best Medical Treatment For Patients With Carotid Stenosis (Asymptomatic And Symptomatic): Can High Risk Plaques Be Made Low Risk And Smaller: All Stroke Patients Should Be On Statins Because They Decrease Recurrent Stroke And Mortality Rates Markedly
J. David Spence, MD
- 11:48–11:53** Technical Tips And Maneuvers To Make Treatment Of High Carotid Lesions Safe And Relatively Simple
Richard J. Powell, MD
- 11:54–12:00** **Panel Discussion**
- 12:00–12:54** **Lunch Break – Rhinelander Gallery, 2nd Floor**
Visit Exhibits And Pavilions (2nd and 3rd Floors)

SESSION 83 (Grand Ballroom East, 3rd Floor)

MORE HOT CAROTID TOPICS: UPDATES ON KEY CAROTID RCTS; NEW INFORMATION ON TREATMENT OF TANDEM LESIONS, CAROTID ANEURYSMS AND STROKES DURING INTERVENTION

Moderators: *Christopher J. Kwolek, MD, MBA*
Anne L. Abbott, MD, PhD

- 12:54–12:59** Current Best Treatment For Strokes Apparent During Or Right After CEA, CAS Or TCAR: Best Diagnostic Modalities And Treatments: Who Should Be Involved And What Skills Are Needed
Gert J. de Borst, MD, PhD

UPDATE ON CAROTID RCTs

- 1:00 – 1:05** 5-Year Results From SPACE 2: CEA Versus Best Medical Treatment (BMT) And CAS Versus BMT For ACS: These Results Support A More Conservative Approach To ACS: What More Is Needed
Hans-Henning Eckstein, MD, PhD (PowerPoint Presentation With Synched Audio)
Christoph Knappich, MD
- 1:06 – 1:11** **DEBATE:** Update On ACST 2: This RCT Found That CEA And CAS For ACS Had Comparable Adverse Event Rates And Implied That Both Invasive Treatments Were Superior To BMT: Does CEA Prevent Dementia
Richard Bulbulia, MA, MD
Alison Halliday, MS
- 1:12 – 1:17** **DEBATE:** Not So Fast! ACST 2 – Like CREST – Has Flaws That Invalidate Their Conclusions: Invasive Therapies May NOT Be Better Than BMT
J. David Spence, MD
- 1:18 – 1:23** Update On CREST 2: CEA Versus BMT And CAS Versus BMT For ACS: Recruitment And Findings To Date: Why Not Present The 30-Day And 1 Year Results: If BMT Showed No Difference In Stroke And Death Rates With Those Of CAS Or CEA, Wouldn't It Remove Justification For Invasive Treatment Of ACS
Brajesh K. Lal, MD
Thomas G. Brott, MD
- 1:24 – 1:29** Consecutive Monocenter Results With CAS For Asymptomatic Carotid Stenosis (ACS): We Should Not Need A RCT: Why Do We Still Need One
Klaus D. Mathias, MD
Ann Zeller, MD
- 1:30 – 1:35** CEA Versus CAS For High-Grade ACS: RCTs (ACT 1 And CREST) Analyzed By Age And Sex: Are There Important Differences
Jon S. Matsumura, MD

TANDEM CAROTID LESIONS

- 1:36 – 1:41** **DEBATE:** Tandem Lesions At The Carotid Bifurcation Plus The Common Carotid Or Innominate Arteries: Stroke And Mortality Risks Are Higher Than For Simple Bifurcation Lesions: How Best To Treat: Endo, Open, Staged, Hybrid
W. Darrin Clouse, MD, RPVI
Mark Conrad, MD, MMSc
- 1:42 – 1:47** **DEBATE:** Tandem Carotid Lesions: Treatment Risks Need NOT Be Increased: Based On A Meta-Analysis: How Best To Treat To Minimize Risk
Ross Naylor, MD
- 1:48 – 1:53** Silent Coronary Ischemia As Detected By FFR_{CT} Is Common In Carotid Stenosis Patients: Coronary Revascularization In Such Patients Decreases Mortality: When Should It Be Done – Before Or After Carotid Treatment
Christopher K. Zarins, MD
Dainis K. Krievins, MD
- 1:54 – 2:02** **Panel Discussion**

SESSION 84 (Grand Ballroom East, 3rd Floor)

MORE HOT CAROTID TOPICS: TREATMENT IN 2023 OF PATCH INFECTIONS, STRING SIGN, CAROTID DISSECTIONS AND WEBS; MANAGEMENT OF ARTERIAL INJURIES DURING CENTRAL VENOUS CATHETERIZATION; OPTIMAL PLATELET AND PROTAMINE STRATEGIES; BENIGNANCY OF ACS; VALUE OF LOCAL ANESTHESIA; STROKE RISK WITH ACS PLAQUES - A WAY TO PREDICT HIGH RISK PLAQUES

Moderators: *Wesley S. Moore, MD*
Glenn M. LaMuraglia, MD
Peter L. Faries, MD

- 2:02 – 2:07** Optimal Management Of Carotid Patch Infections: Which Is The Best Material For Carotid Patching: How About None
Clark J. Zeebregts, MD, PhD
- 2:08 – 2:13** How Best To Diagnose And Treat Near Occlusion Of The Internal Carotid Artery (ICA) In 2023: Based On A Meta-Analysis: Is This The ICA String Sign Of Past Descriptions
Gert J. de Borst, MD, PhD
- 2:14 – 2:19** Update On Isolated Carotid Webs As A Cause Of Cryptogenic Stroke: How Best To Diagnose And Treat: How Should Asymptomatic Webs Be Treated
W. Charles Sternbergh, III, MD
Clayton J. Brinster, MD
- 2:20 – 2:25** Value Of Protamine Use During CEA, CAS And TCAR: When And How Should It Be Used And With What Precautions
David H. Stone, MD
- 2:26 – 2:31** The Number Of Carotid Interventions For Symptomatic Carotid Disease Has Declined In The UK Over The Last Decade: Why Is This So
Ross Naylor, MD
- 2:32 – 2:38** **Panel Discussion**
- 2:38 – 2:43** Restenosis After CEA And CAS Is Benign And Should Rarely Be Treated: When Can It Cause Strokes Justifying Prophylactic Treatment
Ross Naylor, MD
- 2:44 – 2:49** **DEBATE:** Local Anesthesia And Intraoperative Control With Duplex Or Angiography Is Key To Safe CEA: How To Do Them
Hans-Henning Eckstein, MD, PhD (PowerPoint Presentation With Synched Audio)
Christoph Knappich, MD
- 2:50 – 2:55** **DEBATE:** Not So: CEA Can Be Performed Safely And Optimally Under General Anesthesia And Without Completion Duplex Or Angio Control: What Is Required To Do So And Are There Downsides To Duplex Or Angio Controls
Ali F. AbuRahma, MD
- 2:56 – 3:01** Are Symptomatic And Asymptomatic Carotid Stenosis Really 2 Different Diseases With Different Pathology As Some Suggest
Thomas G. Brott, MD
James F. Meschia, MD
- 3:02 – 3:07** What Vascular Surgeons And Vascular Specialists Need To Know About What Can Be Learned From MRI And MRA Studies Of The Head And Neck
Emmanuel M. Houdart, MD

3:08 – 3:13 When An Asymptomatic Carotid Stenosis (ACS) Patient Has An Unheralded Stroke, How Does Its Magnitude And Outcome Differ From Other Strokes: Does It Make The Case For More Or Fewer Prophylactic CEAs And CASs
Gianluca Faggioli, MD

3:14 – 3:20 **Panel Discussion**

3:20 – 3:30 **Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 85 (Grand Ballroom East, 3rd Floor)

NEW OR UPDATED CONCEPTS FOR ENDOVASCULAR TREATMENTS AND MORE HOT AND CONTROVERSIAL CAROTID TOPICS

Moderators: *Ali F. AbuRahma, MD*
Anne L. Abbott, MD, PhD
Michael H. Wholey, MD, MBA

NEW OR UPDATED CONCEPTS FOR ENDO TREATMENTS

3:30 – 3:35 Bronchial Artery Embolization For Massive Hemoptysis: A Life Saving Procedure: How To Do It
Jacob Cynamon, MD

3:36 – 3:41 Endovascular Suturing Devices At The Tip Of An 8-9 French Catheter To Close Large Bore Sheath Access From Inside: The Novelrad Device: How Does It Work And Present Status
Elchanan Bruckheimer, MBBS (PowerPoint Presentation With Synched Audio)

3:42 – 3:47 Clinical Judgment Is Required In The Application Of Evidence Based Medicine: RCTs Can Have Flaws Leading To Misleading Conclusions
J. David Spence, MD

3:48 – 3:53 A Recent Multicenter Propensity Matched Comparison Of Endo Versus Open Infrainguinal Treatment For CLTI Shows That Open Treatment Is Superior And Supports The Findings Of BEST-CLI
Jean-Baptiste Ricco, MD, PhD

3:54 – 3:59 How Vascular Surgeons Can Cure Erectile Dysfunction: Diagnosis And Treatment Of Cavernous Leak And Other Pathology
Eric Allaire, MD, PhD

4:00 – 4:05 Embolic Treatment Of Hemorrhoids: How To Do It And How Well Does It Work
Gloria Salazar, MD

4:06 – 4:11 **Panel Discussion**

HOT CAROTID TOPICS

4:12 – 4:17 Risks And Causes Of Non-Ipsilateral Stroke Complicating CEA
Mark Conrad, MD, MMSc
W. Darrin Clouse, MD

4:18 – 4:23 Surveillance Imaging Following CEA: Are We Looking For Recurrence, Progression Of Contralateral Disease Or Is It Really Unnecessary
Reese A. Wain, MD

4:24 – 4:29 Performing CEA In Recently Symptomatic Patients With Dual Platelet Therapy On Board: The Benefits Outweigh The Risks: What Precautions Should Be Taken
Ross Naylor, MD

- 4:30 – 4:35** **DEBATE:** CAS Is The Best Treatment For Young Healthy Patients With A High-Grade Asymptomatic Carotid Stenosis (ACS)
D. Christopher Metzger, MD
- 4:36 – 4:41** **DEBATE:** Not So: Even Young Patients With A High-Grade ACS Should Not Be Treated By CAS Or CEA
Anne L. Abbott, MD, PhD
- 4:42 – 4:47** Why We Need A RCT Comparison Of TCAR With TFCAS, Transradial CAS And Best Medical Treatment For ACS And Symptomatic Carotid Stenosis
Michael H. Wholey, MD, MBA
- 4:48 – 4:53** **Panel Discussion**

SESSION 86 (Grand Ballroom East, 3rd Floor)

NEW CONCEPTS AND NEW DEVELOPMENTS IN PERCUTANEOUS ACCESS CLOSURE AND WOUND CARE

Moderators: *Kenneth Ouriel, MD, MBA*
Mark A. Adelman, MD

- 4:54 – 4:59** Update On Large Bore Percutaneous Access Closure: Current Status, New Devices, How To Avoid Complications And Where Do We Go From Here
Zvonimir Krajcer, MD (PowerPoint Presentation With Synched Audio)
- 5:00 – 5:05** The Femoral Fascial Suture Technique For Percutaneous Access Closure: Technique, Value And Contraindications
Tal M. Hörer, MD, PhD
Thomas Larzon, MD, PhD
- 5:06 – 5:11** RCT Comparing Collagen (Femoseal) Versus Suture Based (Proglide) Vascular Closure Devices After Lower Extremity Endo Arterial Revascularizations
Yann Gouëffic, MD, PhD

PROGRESS IN WOUND CARE

- 5:12 – 5:17** Management Of Lymphatic Fistulas After Vascular Surgery: What Are The Treatment Options
Martin Storck, MD, PhD
- 5:18 – 5:23** The TIVITA System To Predict Wound And Amputation Healing: Hyperspectral Imaging Can Non-Invasively Determine Oxygenation And Perfusion: How Does It Work And Results
Jan-Willem Elshof, MD
- 5:24 – 5:29** New Developments in Percutaneous Arterial Closure
Maciej L. Dryjski, MD, PhD
- 5:30 – 5:35** A Single Device (From AOTI) With Triple Therapy (Local Oxygen, Compression And Humidification) Enhances Healing Of Non-Healing Lower Extremity Incisions
David J. Dexter, MD
- 5:36 – 5:41** Optimal Treatment For Groin Infection After Prosthetic Bypasses From The Common Femoral Artery: How To Save The Graft And The Leg
Hosam F. El Sayed, MD
- 5:42 – 5:47** Optimizing Wound Healing Using A Fully Synthetic Resorbable Electrospun Material: A New Approach
Wayne J. Caputo, DPM
- 5:48 – 5:56** **Panel Discussion**
End of Program K

PROGRAM L (SESSIONS 87-94)

NEW DEVELOPMENTS IN THE TREATMENT OF POPLITEAL DISEASE; ADVANCES IN TREATING ARTERIAL AND GRAFT INFECTIONS; ADVANCES IN VASCULAR IMAGING AND GUIDANCE; AUGMENTED REALITY AND ARTIFICIAL INTELLIGENCE; RECORDED LIVE COMPLEX ENDOVASCULAR CASES FROM MÜNSTER, GERMANY; NEW DEVELOPMENTS IN THORACIC OUTLET SYNDROME MANAGEMENT; ADVANCES IN MEDICAL, DRUG, ANTICOAGULANT AND RARE VASCULAR DISEASE TREATMENT; AND ADVANCES IN THE TREATMENT OF VASCULAR TRAUMA

Grand Ballroom West, 3rd Floor

SESSION 87 (Grand Ballroom West, 3rd Floor)

POPLITEAL DISEASE TOPICS RELATED TO ANEURYSM TREATMENT (PRIMARY AND REDO), ENTRAPMENTS, ADVENTITIAL CYSTIC DISEASE LOWER EXTREMITY OCCLUSIVE LESION TREATMENT WITH DCBs AND ATHERECTOMY

Moderators: Enrico Ascher, MD

Martin Björck, MD, PhD

POPLITEAL ANEURYSMS AND THEIR BEST CURRENT TREATMENTS

- 6:52 – 6:57** A Hybrid Approach To Repairing Large Popliteal Aneurysm: Technique, Results, And Advantages
Enrico Ascher, MD
- 6:58 – 7:03** Treatment Of Popliteal Aneurysms: When Conservative, When Open, When Endovascular: What Are The Hard Data
Martin Björck, MD, PhD
- 7:04 – 7:09** Endovascular Versus Open Repair: Why After 20 Years Of Selective Endografting, Now Favor Open Repair In Most Patients
Martin R. Back, MD
- 7:10 – 7:15** Update On Optimal Treatment For Popliteal Aneurysms: Should They Be Treated Differently In Women And Why: When Should They Best Be Observed
Fred A. Weaver, MD, MMM
- 7:16 – 7:21** Rescue Procedures For Failed Endovascular Repairs Of Popliteal Aneurysms: Observation May Be Enough: If Not, Hybrid Versus Open Repair: Technical Tips
Jose Fernandes e Fernandes, MD, PhD (PowerPoint Presentation With Synched Audio)

ENCOURAGING RESULTS FOR SELUTION SIROLIMUS DCBs

- 7:22 – 7:27** Japanese Multicenter 12-Month Data For Selution Sirolimus DCB Treatment Of Femoropopliteal Lesions Show Unmatched Primary Patency And Freedom From Clinically Driven TLR
Patrick J. Geraghty, MD
- 7:28 – 7:35** **Panel Discussion**

POPLITEAL ENTRAPMENTS AND ADVENTITIAL
CYSTIC DISEASE

- 7:36 – 7:41** Update On Popliteal Entrapment Syndromes: Benefits Of Dynamic Imaging With Duplex Or Angiography In Diagnosis And Treatment
Niten Singh, MD
- 7:42 – 7:47** Management Of Functional Popliteal Artery Entrapment Syndrome In Athletes: What Is The Pathological Anatomy And What Symptoms Does It Cause: Technique Of Surgical Repair
Jason T. Lee, MD
- 7:48 – 7:53** Adventitial Cystic Disease Of The Popliteal Artery: Pathogenesis, Symptoms, And Optimal Treatment
Irwin V. Mohan, MBBS, MD

POPLITEAL ARTERY INJURY

- 7:54 – 7:59** Surgical Approach And Graft Usage For Popliteal Artery Injury From Posterior Knee Dislocation
Charles J. Fox, MD

POPLITEAL ARTERY ATHERECTOMY

- 8:00 – 8:05** Value Of Orbital Atherectomy For Popliteal Artery Occlusive Lesions: New Developments And Expanded Versatility Of The Device
Brian G. DeRubertis, MD
- 8:06 – 8:12** **Panel Discussion**

SESSION 88 (Grand Ballroom West, 3rd Floor)

NEW DEVELOPMENTS IN TREATING ARTERIAL
(INCLUDING AORTIC) GRAFT INFECTIONS

*Moderators: Keith D. Calligaro, MD
Peter F. Lawrence, MD*

- 8:12 – 8:17** Update On The NAIS Procedure (Deep Vein Reconstruction For Infected Aortic Grafts): How To Make The Operation Easier And Better
John F. Eidt, MD

TREATMENT OF MYCOTIC ANEURYSMS

- 8:18 – 8:23** Radical Or Less Radical Treatment Of Mycotic Aneurysms: What Are They: When And How Should They Be Performed: Can EVAR Ever Be The Definitive Treatment: Importance Of Drainage
Martin Malina, MD, PhD
- 8:24 – 8:29** Rifampin Soaked Endografts To Treat Mycotic AAAs: How To Prepare Them And When To Use Them: Are They Stand-Alone Treatment Or Do They Need Adjunctive Techniques
Guillermo A. Escobar, MD
- 8:30 – 8:35** Why Open Repair Is The Best Treatment For Mycotic AAAs: Is EVAR Ever Of Value
Yamume Tshomba, MD
- 8:36 – 8:41** TEVAR For The Treatment Of Aorto-Esophageal And Aorto-Bronchial Fistulas: Is It Only A Bridging Procedure Or Is It Ever A Definitive Treatment
Markus K. Furrer, MD
- 8:42 – 8:48** **Panel Discussion**

TREATMENT OF AORTIC AND ARTERIAL GRAFT AND
ENDOGRAFT INFECTIONS

- 8:48 – 8:53** Infected Endografts After EVAR: Etiological Factors, Diagnosis, Treatment, Outcomes: Does The Endograft Always Have To Be Removed
Mohammad H. Eslami, MD, MPH
- 8:54 – 8:59** Optimal Techniques For Treating Aorto-Iliac Graft And Endograft Infections In 2023
Anders Wanhainen, MD, PhD (PowerPoint Presentation With Synched Audio)
- 9:00 – 9:05** Update Of Surgical Treatment For Infected Aortic Grafts And Aortic-Enteric And Aortic-Bronchial Fistulas: Current Results In A Committed Center: Value Of An Antimicrobial Silver/Triclosan Graft
Germano C.G. Melissano, MD
Roberto L.V. Chiesa, MD
Luca Bertoglio, MD
Andrea Kahlberg, MD
- 9:06 – 9:11** Update On Progress In The Optimal Treatment Of Aortic And Arterial Graft Infections: What's New In 2023: When Is Percutaneous Drainage Acceptable And Helpful
Jean-Paul de Vries, MD, PhD
- 9:12 – 9:17** Semi-Conservative Therapy – Saving All Or Part Of An Infected Aortic Graft: When Is It The Best Treatment And How To Make It Work: From The MAGIC Registry And VASGRA Study
Zoran Rancic, MD, PhD
- 9:18 – 9:23** EVAR Endograft Infections Can Be Treated By Local Catheter Techniques: How, When And When Not
Tal M. Hörer, MD, PhD
- 9:24 – 9:29** When And What Is The Best Treatment For An Infected Aortic Endograft: Conservative, Antibiotics, Drainage And Excision Of Infected Tissue Or Graft Removal; Replacement: In Situ Or Extra-Anatomic
Clark J. Zeebregts, MD, PhD
- 9:30 – 9:35** Management Of Mid-Visceral Aortic Infections (Mycotic Suprarenal And TAAAs Before And After Repair): Can Infected Grafts Sometimes Be Preserved
Salvatore T. Scali, MD
- 9:36 – 9:52** **Panel Discussion And Break**
(Visit Exhibits And Pavilions – 2nd and 3rd Floors)

SESSION 89 (Grand Ballroom West, 3rd Floor)

PROGRESS IN VASCULAR IMAGING AND
GUIDANCE FOR ENDOVASCULAR TREATMENTS
WITH LESS RADIATION EXPOSURE OR CONTRAST
TOXICITYModerators: *Barry T. Katzen, MD*
Cynthia K. Shortell, MD
Isabelle Van Herzele, MD, PhD

VASCULAR HOLOGRAPHY

- 9:52 – 9:57** The ARCUS System Of Augmented Reality (Derived From A Contrast CT) And Its Value In Vascular Surgery: How Will The Microsoft HoloLens 2 Project Vascular Anatomy And Its Lesions On Patients' Bodies: How This Can Facilitate Surgical And Endovascular Procedures
Jan M.M. Heyligers, MD, PhD

9:58–10:03 Update On Real View Holographic Imaging: How Will It Help In Endovascular Treatments: Is It Available In The US

Elchanan Bruckheimer, MBBS (PowerPoint Presentation With Synched Audio)

10:04–10:09 Holographic Guidance Of Endovascular Procedures Guidance (With Augmented Reality Goggles And No Screen): How Does It Work: What Is Possible And What Is Not

Claude Mialhe, MD

DUPLEX AND INTRAVASCULAR ULTRASOUND

10:10–10:15 Duplex Ultrasound Guidance: How, Where And When Can It Replace Fluoroscopy For Endovascular Procedures: Advantages, Limitations, And Why Its Use Is Increasing

Enrico Ascher, MD

Natalie A. Marks, MD, RPVI, RVT

10:16–10:21 Intravascular Ultrasound (IVUS) Assistance In EVAR And TEVAR: Advantages And Limitations - Based On A Multicenter Study

Jean-Baptiste Ricco, MD, PhD

10:22–10:28 **Panel Discussion**

IMPROVED IMAGING

10:28–10:33 Contrast Induced Nephropathy Is Over-Exaggerated: When Patients Need A Contrast Study, They Should Get It: How To Minimize Consequences

Lindsay Machan, MD

10:34–10:39 Totally Radiation Free Deployment Of A Complex AAA Endograft Using An Intraoperative Positioning System (IOPS From Centerline) And Positional Markers On Graft Components As Well As Catheters And Wires To Enable Accurate 3D Guidance: It Is Analogous To Precise GPS Targeting

Gustavo S. Oderich, MD

10:40–10:45 Update On Cydar Medical System's Evolution To Facilitate Fusion With All Digital Fluoroscopes: How The System Uses AI To Improve EVAR Planning, Guidance And Deployment: Are There Disadvantages

Jan M.M. Heyligers, MD, PhD

10:46–10:51 Cydar Maps Joining In EVAR Planning, Intraprocedural Guidance And Outcome Assessment: How Does AI Help At Each Step And Compensate For Artery Movement Caused By Wires, Devices, Etc.

Cynthia K. Shortell, MD

10:52–10:57 New Imaging And Navigation Technologies To Facilitate And Improve Complex AAA Repair: Comparison Of Cydar, FORS (Philips) And Centerline Biomedical IOPS Systems: Are They Ready For Widespread Use

Venkatesh G. Ramaiah, MD

10:58–11:05 **Panel Discussion**

SESSION 90 (Grand Ballroom West, 3rd Floor)

AUGMENTED REALITY (AR), MIXED REALITY AND ARTIFICIAL INTELLIGENCE (AI): HOW WILL THEY IMPROVE OUTCOMES, IMAGING AND DEVICE GUIDANCE DURING VASCULAR PROCEDURES

Moderators: Gustavo S. Oderich, MD

Alan B. Lumsden, MD

- 11:05–11:10** Generative AI For Vascular Imaging – The Promise And Perils
Elsie Ross, MD, MSc
- 11:11–11:16** Personalized Treatment Of AAAs With AI: The Vascular Project
Kak Khee Yeung, MD, PhD
- 11:17–11:22** Understanding Branch Stent-Graft Occlusions With Assessment Of Computational Fluid Dynamics
Kenneth Tran, MD
- 11:23–11:28** Learning Curve Of Endovascular Naïve Operators With Plain Fluoroscopy, Flat Plane And Augmented Reality Intraoperative Position System
Sophia Khan, MD
- 11:29–11:34** Intraoperative Position System To Minimize Radiation Exposure On Lateral Views During Catheterization Of Mesenteric Vessels
Muhammad Ali A. Rana, MD
- 11:35–11:46** Edited Case: Workflow For Endovascular FB-EVAR Of Thoracoabdominal Aortic Aneurysms
Aleem K. Mirza, MD
- 11:47–12:00** **Panel Discussion**
- 12:00 – 1:00** **Lunch Break – Rhinelander Gallery, 2nd Floor**
Visit Exhibits And Pavilions (2nd and 3rd Floors)

SESSION 91 (Grand Ballroom West, 3rd Floor)

TWO PRESENTATIONS AND CHALLENGING RECORDED LIVE CASES FROM MÜNSTER, GERMANY

Moderators: *Giovanni B. Torsello, MD*
Marco V. Usai, MD

- 1:00 – 1:05** Münster Strategy To Avoid SCI And Results
Martin J. Austermann, MD (PowerPoint Presentation With Synched Audio)
- 1:06 – 1:11** In Situ Fenestration In The Arch During Complex EVAR: Early Experiences
Marco V. Usai, MD
- 1:12 – 1:44** Live Recorded Cases By Drs. Austermann And Usai
Martin J. Austermann, MD (PowerPoint Presentation With Synched Audio)
Marco V. Usai, MD

SESSION 92 (Grand Ballroom West, 3rd Floor)

NEW DEVELOPMENTS IN THE TREATMENT OF THORACIC OUTLET SYNDROMES (TOSs)

Moderators: *Mark A. Adelman, MD*
Robert W. Thompson, MD
Bauer E. Sumpio, MD, PhD

- 1:44 – 1:49** Neurogenic Thoracic Outlet Syndrome (NTOS) Can Be Effectively Treated By Injecting Botulinum Toxin (Botox) Into Scalene And Pectoral Muscles: Technique And Results
Pierre-Olivier Thiney, MD
- 1:50 – 1:55** Supraclavicular Approach To Arterial And Neurogenic TOSs (Video Presentation)
Ramesh K. Tripathi, MD (PowerPoint Presentation With Synched Audio)
Mark A. Adelman, MD (Presenter)
- 1:56 – 2:01** Minimally Invasive Transaxillary First Rib Resection Under Local And Regional Anesthesia: Advantages And Limitations
Francesco Spinelli, MD

- 2:02 – 2:07** Management Of Recurrent NTOS After Primary Surgery Fails: Strategy And Outcomes
Michael J. Singh, MD

VENOUS TOSs

- 2:08 – 2:13** Evolving Approaches For Venous Thoracic Outlet Syndrome
Keith D. Calligaro, MD
- 2:14 – 2:19** Assessment And Treatment Of Persistent Or Recurrent Symptoms After Surgical Treatment For Venous Thoracic Outlet Syndrome
Robert W. Thompson, MD
- 2:20 – 2:26** **Panel Discussion**
- 2:26 – 2:36** **Break – Visit Exhibits And Pavilions (2nd and 3rd Floors)**

SESSION 93 (Grand Ballroom West, 3rd Floor)

NEW DEVELOPMENTS IN MEDICAL AND DRUG TREATMENTS: BEST ANTIPLATELET REGIMENS; UPDATE ON RARE VASCULAR DISEASES

*Moderators: Caron B. Rockman, MD
James H. Black, III, MD*

ANTIPLATELET REGIMENS

- 2:36 – 2:41** Optimal Antiplatelet Management With CEAs, Lower Extremity Bypasses And Open AAA Repairs
David H. Stone, MD
- 2:42 – 2:47** Current Optimal Anticoagulation And Antiplatelet Treatment For High Risk Lower Extremity Bypasses – Vein And PTFE: How Are DOACs Useful
Peter Henke, MD
- 2:48 – 2:53** What Is The Best Medical Treatment After Carotid, Aortic And Lower Extremity Endovascular Treatments
Maciej L. Dryjski, MD, PhD
- 2:54 – 2:59** Why Clopidogrel Is Effective In <50% Of Patients At Standard Doses: How To Identify And Fix This Problem
Karthikeshwar Kasirajan, MD

NEW DEVELOPMENTS IN LIPID MANAGEMENT – STATINS

- 3:00 – 3:05** Safety And Benefit Of Statins And Medical Treatment In Vascular Patients: Why These Treatments Are Underutilized – Especially In Women: Statin Intolerance Has Been Over Emphasized: LDL-C Should Be Monitored And Treated To An Optimal Level
Christian A. Behrendt, MD
- 3:06 – 3:11** The Importance Of Lipoprotein Little a [Lp(a)] Levels In Determining Atherosclerotic Risk: When Should It Be Measured And If High, How Treated: Do PCSK-9 Inhibitors Help: Will An Oral PCSK-9 Inhibitor Be Available
*Caron B. Rockman, MD
Jeffrey S. Berger, MD, MS*
- 3:12 – 3:17** Lowering LDL-C And Controlling Elevated Blood Pressure Can Lower Cardiovascular Risk 80%: What To Do If Patients Can't Tolerate A Statin Dose: Ezetimide, (Zetia), A PCSK9 Inhibitor, Inclisiran, Bempedoic Acid (Nexletol)
Richard Bulbulia, MA, MD

3:18 – 3:23 Value And Limitations Of Statins And Non-Statins Lipid Lowering Agents In Patients With Carotid Artery Stenosis
Kosmas I. Paraskevas, MD

3:24 – 3:32 **Panel Discussion**

OTHER DISEASE RELATED TOPICS

3:32 – 3:37 Diagnosis And Treatment Of Buerger's Disease In 2023: Does It Exist Or Is It Just A Variant Of Atherosclerosis
Kamphol Laohapensang, MD

3:38 – 3:43 How To Make Operations For Complications Of Vascular Ehlers Danlos Syndrome Go Well
James H. Black, III, MD

3:44 – 3:49 Medical Treatment Of Patients With Vascular Ehlers Danlos Syndrome: How Does Celiprolol Treatment Work And How Does It Help
Martin Björck, MD, PhD

3:50 – 4:00 **Panel Discussion (All Session 93 Topics)**

SESSION 94 (Grand Ballroom West, 3rd Floor)

ADVANCES IN THE ENDO AND OPEN TREATMENT OF VASCULAR TRAUMA

Moderators: *Tal M. Hörer, MD, PhD*
Todd E. Rasmussen, MD

4:00 – 4:05 Advances In Endovascular Control Of Hemorrhage: Techniques: When Should They Be Used And When Not
Ravi R. Rajani, MD

UPDATE ON REBOA

4:06 – 4:11 Resuscitative Endovascular Balloon Occlusion Of The Aorta (REBOA): When Is It A Valuable Procedure And When Is It Not: Limitations And Precautions
Gilbert R. Upchurch, MD

4:12 – 4:17 Value Of REBOA For Pending And Actual Cardiac Arrest: What Is Partial And Intermittent REBOA And How Is It Helpful
Tal M. Hörer, MD, PhD

4:18 – 4:23 Value Of Simulator Based Training For REBOA: How Does It Work: Can It Improve Results And Decrease Mishaps
Lars B. Lonn, MD, PhD

4:24 – 4:29 Transradial Access (R2P) For Endovascular Trauma Management Is Safe And Sometimes Better: Technical Tips And Devices
Charles J. Fox, MD

4:30 – 4:35 Contrary To Current Teaching, With Complex Extremity Injuries Involving Fractures And Large Blood Vessels, Why And How Revascularization Should PRECEDE External Bone Fixation: How To Get The Vascular Repair Length Right
Erica L. Mitchell, MD, MEd

4:36 – 4:41 Long-Term Results Of Arterial And Venous Reconstructions (Bypasses And Interposition Grafts) For Vascular Trauma: How Do They Compare To The Results For Similar Procedures For PAD
Samy S. Nitecki, MD

4:42 – 4:47 Update On Best Current Management Of Pediatric Vascular Injuries: When Conservative; When Open; When Endo And Precautions
Michael C. Dalsing, MD

4:48 – 4:54 Panel Discussion

BLUNT THORACIC AORTIC INJURY (BTAI)

- 4:54– 4:59** Classification Of BTAIs: Are We Overtreating Lesser Injuries
Joseph Dubose, MD
Pedro Teixeira, MD
- 5:00 – 5:05** What Is The New Role Of Endovascular Repairs Of Thoracic Aortic Injuries: Concepts, Techniques, And Management
Waclaw B. Kuczmik, MD, PhD
- 5:06 – 5:11** BTAI In Pediatric Patients: When Should They Undergo Invasive Treatment: When Endo, When Open: Technical Tips And Precautions
Elina Quiroga, MD, MPH
- 5:12 – 5:17** How To Manage Heparin In TEVAR For BTAI When Head Or Other Injuries Are Also Present: Some, None Or Just Sheath Flushing
Charles J. Fox, MD
- 5:18 – 5:23** Why Rapid And Complete Aortic Healing After TEVAR For BTAI Allows Minimization Of The Seal Zone And Endograft Length Used
Shang Loh, MD
- 5:24 – 5:29** New Findings From The Aortic Trauma Foundation Global Registry On Outcomes Of TEVAR For Repair Of Traumatic Aortic Injuries: Do Lesser Degrees Of BTAI Require TEVAR
Ali Azizzadeh, MD
- 5:30 – 5:40 Panel Discussion**
End of Program L

PROGRAM M (SESSIONS 95-104)

DEEP VENOUS DISEASE

Trianon Ballroom, 3rd Floor

Course Leaders: *Jose I. Almeida, MD*
Lowell S. Kabnick, MD
Peter Gloviczki, MD
Thomas W. Wakefield, MD
Steve Elias, MD

SESSION 95 (Trianon Ballroom, 3rd Floor)

DEEP VENOUS WORK-UP, VENOUS STENT CHARACTERISTICS

Moderators: *Jose I. Almeida, MD*
Lowell S. Kabnick, MD
Peter Gloviczki, MD
Thomas W. Wakefield, MD
Steve Elias, MD

- 7:00 – 7:04** Introduction: Deep System
Lowell S. Kabnick, MD
- 7:05 – 7:10** Iliocaval Duplex Ultrasound With Image Optimization
Jan M. Sloves, RVT
- 7:11 – 7:16** Noninvasive Measurement Of Ambulatory Venous Pressures
Seshadri Raju, MD
- 7:17 – 7:22** Physiologic Assessment Of The Severity Of Iliac Vein Obstruction
Fedor Lurie, MD, PhD
- 7:23 – 7:28** Validation Of A Chronic Venous Obstruction Classification System
Houman Jalaie, MD, PhD

- 7:29 – 7:34** Outcomes And Predictors Of Failure Of Iliac Vein Stenting
Rabih A. Chaer, MD
- 7:35 – 7:40** Iliac Vein Post-Thrombotic Disease Stent Considerations
Jose I. Almeida, MD
- 7:41 – 7:46** What Is Aspect Ratio And What Does The Clinical Data Reveal
Lowell S. Kabnick, MD
- 7:47 – 7:52** Invasive Diagnostics To Indicate Stenting For MTS To Improve Outcome
Cees H.A. Wittens, MD, PhD
- 7:53 – 7:58** Impact Of Stent Structure On Venous Flow (In Vitro Investigations With A Designed Fluid Dynamic Model)
Houman Jalaie, MD, PhD
- 7:59 – 8:04** What Should The 3rd Generation Stents Look Like
Cees H.A. Wittens, MD, PhD
- 8:05 – 8:10** Calf Pump Dysfunction: What Is It
Brajesh K. Lal, MD
- 8:11 – 8:16** Iliac Vein Obstruction And Associated Infrainguinal Reflux: Is There A Best Approach To Treatment
Elna M. Masuda, MD
- 8:17 – 8:22** **Panel Discussion**

SESSION 96 (Trianon Ballroom, 3rd Floor)

VENOUS STENT TRIALS

*Moderators: Paul J. Gagne, MD
Michael K.W. Lichtenberg, MD*

- 8:23 – 8:28** Reporting Standards For Acute Deep Vein Thrombosis Trials: Results Of The Delphi Consensus
Raghu Kolluri, MD
- 8:29 – 8:34** Reporting Standards For Stenting Chronic Iliofemoral Venous Obstructions: Results Of The Delphi Consensus
Peter Gloviczki, MD
- 8:35 – 8:40** The BEYOND Venous Stent Registry
Michael K.W. Lichtenberg, MD
- 8:41 – 8:46** FIH Trial: RevCore Chronic Deep Venous Stent Occlusion For In Stent Restenosis
Steven D. Abramowitz, MD
- 8:47 – 8:52** The First Randomized Controlled Trial Comparing Venous Stenting With Conservative Treatment In Patients With Deep Venous Obstruction
Houman Jalaie, MD, PhD
- 8:53 – 8:58** Current Deep Vein Interventions: What Are They And When Are They Reasonable
Iris Baumgartner, MD
- 8:59 – 9:04** Living In The Post-SOX World: Update On Compression Trials
Andrea T. Obi, MD
- 9:05 – 9:10** Vernacular Trial: 3-Year Update
Michael K.W. Lichtenberg, MD
- 9:11 – 9:16** Zilver Vena Stent Trial: 3-Year Outcomes
Anthony J. Comerota, MD
- 9:17 – 9:22** ABRE Trial Results
Erin H. Murphy, MD
- 9:23 – 9:28** Will The BEST Trial Answer The Question On Iliac Stenting
Alun H. Davies, MA, DM, DSc

9:29 – 9:34 Panel Discussion

SESSION 97 (Trianon Ballroom, 3rd Floor)

**FEMORO-ILIOCAVAL CHRONIC TOTAL
OCCLUSIONS, RECANALIZATION TECHNIQUES
AND OTHER CONSIDERATIONS**

*Moderators: Jose I. Almeida, MD
Steve Elias, MD*

- 9:35 – 9:40** Options To Improve Inflow When Stenting – ACCESS PTS/SSTA With Chameleon/Angioplasty Alone
Steve Elias, MD
- 9:41 – 9:46** Utilizing The Radiofrequency Power Wire To Vaporize A Channel Through Chronic Iliocaval Venous Obstructions (CICVO)
Patrick E. Muck, MD
- 9:47 – 9:52** Azygous Vein Stenting: Alternate Route For Caval Agenesis
Jose I. Almeida, MD
- 9:53 – 9:58** My Techniques For Recanalizing Thrombosed IVC Filters And Iliocaval Occlusions
Jose I. Almeida, MD
- 9:59 – 10:04** Endovascular Techniques And Indications For Retroperitoneal/Extravascular Iliocaval Reconstruction
Steven D. Abramowitz, MD
- 10:05–10:10** Sniper Technique To Treat Difficult And Chronic Central Venous Occlusions
Marcelo Guimaraes, MD
- 10:11–10:16** Hybrid Open And Endovascular Techniques For Complex Iliofemoral Disease
Erin H. Murphy, MD
- 10:17–10:22** Why Iliofemoral Deep Venous Stents Fail, And How To Manage It
Kush R. Desai, MD
- 10:23–10:28 Panel Discussion**

SESSION 98 (Trianon Ballroom, 3rd Floor)

**VENOUS THROMBOSIS SCIENCE AND TREATMENT
STRATEGIES**

*Moderators: Thomas W. Wakefield, MD
Peter Henke, MD*

- 10:29–10:34** Venous Thromboembolism In The Context Of Chronic Venous Disease
Thomas W. Wakefield, MD
- 10:35–10:40** Should All Patients With Acute VTE Be Treated With A Statin: When And Dose
Anthony J. Comerota, MD
- 10:41–10:46** Our Experience With DVT/PE During The COVID Era
Young Erben MD
- 10:47–10:52** Inflammation, Selectins And Venous Thrombosis
Thomas W. Wakefield, MD
- 10:53–10:58** Update On Experimental DVT Pathogenesis And Resolution
Peter Henke, MD
- 10:59–11:04** Comprehensive Thrombus Removal Strategies Versus Selective Stenting In Acute Symptomatic Iliofemoral Venous Thrombosis
Arjun Jayaraj, MD
- 11:05–11:10 Panel Discussion**

SESSION 99 (Trianon Ballroom, 3rd Floor)

THROMBUS REMOVAL THROMBECTOMY DEVICES AND OTHER ISSUES TO CONSIDER

Moderators: *Patrick E. Muck, MD*
Brian G. DeRubertis, MD

- 11:11-11:16** P-Max Study: Mechanical Thrombectomy For Iliofemoral DVT With Aspirex
Michael K. W. Lichtenberg, MD
- 11:17-11:22** Thrombolysis For Acute DVT: Guidance From Current Clinical Trials
Brian G. DeRubertis, MD
- 11:23-11:28** New Percutaneous Thrombectomy Reperfusion System
Patrick E. Muck, MD
- 11:29-11:34** CLOUT Registry For The Inari CloTrierer
David J. Dexter, MD
- 11:35-11:40** Mechanical Thrombectomy Of Acute DVT: What Are The Ideal Device Features That We Are Missing
Marcelo Guimaraes, MD
- 11:41-11:46** The Dexterity Study: Anti-Inflammatory Potential In Treating Venous Disease
Mahmood Razavi, MD
- 11:47-11:52** Management Of IVC Thrombus Using Large Bore Mechanical Thrombectomy
Constantino Pena, MD
- 11:53-11:58** **Panel Discussion**

SESSION 100 (Trianon Ballroom, 3rd Floor)

VENOUS REFLUX ISSUES

Moderators: *Mikel Sadek, MD*
Marzia Lugli, MD

- 11:59-12:04** Deep Venous Reflux In Patients Undergoing Venous Treatments
Mikel Sadek, MD
- 12:05-12:09** Deep Reflux: What Happens After Concomitant Obstruction Correction
Marzia Lugli, MD
- 12:10-12:15** When Deep Venous Reflux Repair Is Not Effective: What Next
Marzia Lugli, MD
- 12:16-12:21** Does Vein Stenting Reduce Great And Small Saphenous Venous Reflux
Natalie A. Marks, MD, RPVI, RVT
- 12:22-12:27** Long-Term Fate Of Limb Reflux After Iliac Vein Stenting
Seshadri Raju, MD
- 12:28- 12:33** **Panel Discussion**
- 12:34- 12:57** **Lunch Break – Rhinelander Gallery, 2nd Floor**
Visit Exhibits And Pavilions (2nd and 3rd Floors)

SESSION 101 (Trianon Ballroom, 3rd Floor)

PELVIC VEIN DISORDERS

Moderators: *Peter Gloviczki, MD*
Mark H. Meissner, MD

- 12:58- 1:03** FDA Compliant Patient-Reported Outcome Measure For Use In Clinical Trials For Venous Origin Chronic Pelvic Pain In Women
Neil M. Khilnani, MD

- 1:04 – 1:09** RCT Of Pelvic Venous Embolization Versus Sham Procedure For Venous Origin Chronic Pelvic Pain In Women
Neil M. Khilnani, MD
- 1:10 – 1:15** Venographic Techniques To Identify Pelvic Anatomy And Escape Points
Mark H. Meissner, MD
- 1:16 – 1:21** Male Pelvic Congestion And Varicose Veins: How Much Of A Problem
Mark S. Whiteley, MS
- 1:22 – 1:27** Ovarian Vein Embolization: Which Patient Benefits And Reimbursement
Kathleen D. Gibson, MD
- 1:28 – 1:33** We Need Dedicated Venous Stents For Nutcracker Syndrome And We Need Them Now
Peter Gloviczki, MD
- 1:34 – 1:39** Outcomes Of Left Renal Vein Stenting In Patients With Nutcracker Syndrome
Rabih Chaer, MD
- 1:40 – 1:45** Open Surgery For Nutcracker: Techniques And Results
Cynthia K. Shortell, MD
- 1:46 – 1:51** Management Of Symptomatic Vulvar Varices With And Without Pelvic Symptoms
Steve Elias, MD
- 1:52 – 1:57** **Panel Discussion**

SESSION 102 (Trianon Ballroom, 3rd Floor)

MORE VENOUS THROMBOSIS, IVC

Moderators: *Thomas S. Maldonado, MD*
Timothy K. Liem, MD, MBA

- 1:58 – 2:03** What To Do With Fractured Filters And Embolic Filter Fragments
Constantino Pena, MD
- 2:04 – 2:09** Update On Heparin-Induced Thrombocytopenia
Timothy K. Liem, MD, MBA
- 2:10 – 2:15** Advanced IVC Filter Retrieval: When And How
Kush R. Desai, MD
- 2:16 – 2:21** Which DOAC For What Disease: Review Of Ongoing Trials
Andrea T. Obi, MD
- 2:22 – 2:27** Who Needs Lifelong Anticoagulation
Rachel Rosovsky, MD, MPH
- 2:28 – 2:33** SVT Treatment Options: DOAC, LMWH, Nothing
Steve Elias, MD
- 2:34 – 2:39** Update On Reversal Agents For The DOACs
Timothy K. Liem, MD, MBA
- 2:40 – 2:45** IVC Management In Pregnant Patients
Joann Lohr, MD
- 2:46 – 2:51** Pediatric DVT: An Evidence Summary
Dawn M. Coleman, MD
- 2:52 – 2:57** The Future Of Lymphedema Care: Non-Pneumatic Compression Results In Improved Outcomes And Greater Patient Compliance
Thomas S. Maldonado, MD
- 2:58 – 3:03** The Preserve IVC Filter Study Results
Timothy K. Liem, MD, MBA
- 3:04 – 3:09** Role Of Thrombophilia Testing
Rachel Rosovsky, MD, MPH

- 3:10 – 3:15** Why Temporary Filters Are Not Removed: Clinical Predictors In 1,000 Consecutive Cases
Heron E. Rodriguez, MD
- 3:16 – 3:21** Open Removal Of Chronically Occluded IVC And Iliofemoral Stents
Steven D. Abramowitz, MD
- 3:22 – 3:27** Breakthrough DVT – Aren't They All
Peter Henke, MD
- 3:28 – 3:33** **Panel Discussion**

SESSION 103 (Trianon Ballroom, 3rd Floor)

DEEP VEIN VALVE TECHNOLOGIES, MORE STRATEGIES FOR CORRECTING SEVERE DEEP VENOUS REFLUX AND/OR OBSTRUCTION

Moderators: *Jose I. Almeida, MD*
William A. Marston, MD

- 3:34 – 3:39** Tips And Tricks For Optimal Management Of Primary And Secondary IVC Tumors
Jill J. Colglazier, MD
- 3:40 – 3:45** Deep Vein Valve Devices: What Outcome Measures Should Be Used
Fedor Lurie, MD, PhD
- 3:46 – 3:51** US Experience Of The BlueLeaf® Endovenous Valve Formation: Update
William A. Marston, MD
- 3:52 – 3:57** Novel Transcatheter Endovascular Device For Treatment Of Deep Venous Reflux
Jorge H. Ulloa, MD
- 3:58 – 4:03** Three-Year Outcomes Of An Implantable Bioprosthetic Valve For The Treatment Of Deep Venous Reflux
Jorge H. Ulloa, MD
- 4:04 – 4:09** An Update On The Cook Venous Valve Project
Paul J. Gagne, MD
- 4:10 – 4:15** Outcome Of Venous Stents In Adolescents, Teenagers, And Pregnancy
Mahmood Razavi, MD
- 4:16 – 4:21** Acute Iliofemoral DVT In Adolescents And Young Adults And Whether They Should Undergo Stenting For May Thurner At The Time Of DVT Intervention
William A. Marston, MD
- 4:22 – 4:27** Shortcomings Of Stents: Positioning, Migration, Patency And Anticoagulation
Cees H.A. Wittens, MD, PhD
- 4:28 – 4:33** Ruptured IVC And Iliac Vein: Now What
Jose I. Almeida, MD
- 4:34 – 4:39** IVC Reconstruction Options
Erin H. Murphy, MD
- 4:40 – 4:45** **Panel Discussion**

SESSION 104 (Trianon Ballroom, 3rd Floor)

VENOUS ANEURYSMS, MORE IMPORTANT DEEP VENOUS CONCEPTS

Moderators: *Peter F. Lawrence, MD*
Thomas W. Wakefield, MD

- 4:46 – 4:51** Venous Aneurysms: Should They Be Treated
Peter F. Lawrence, MD
- 4:52 – 4:57** Closed Plication Is A Safe And Effective Method For Treating Popliteal Venous Aneurysm
Thomas W. Wakefield, MD

- 4:58 – 5:03** Do Venous Stent Fractures Matter
David J. Dexter, MD
- 5:04 – 5:09** Most Common Venous Stenting Complications And How To Avoid Them
Erin H. Murphy, MD
- 5:10 – 5:15** Suprainguinal Lymphatic Disease In Patients Undergoing Stenting For Chronic Iliofemoral Venous Obstruction
Arjun Jayaraj, MD
- 5:16 – 5:21** Outcomes Of Acute Superior Mesenteric Venous Thrombosis
Rabih A. Chaer, MD
- 5:22 – 5:27** Open Surgical And Endovascular Treatment Of Superior Vena Cava Syndrome
Manju Kalra, MBBS
- 5:28 – 5:33** Endophlebectomy Of Common Femoral Vein: When And How
Houman Jalaie, MD, PhD
- 5:34 – 5:39** Contralateral Limb Improvement After Unilateral Iliac Vein Stenting: Argument Against Simultaneous Bilateral Stenting
Seshadri Raju, MD
- 5:40 – 5:45** Stenting Across The IVC Filter Is A Safe And Effective Alternative To Complex Removal
Efthymios (Makis) Avgerinos, MD
- 5:46 – 5:51** Venous Stent For The Iliofemoral Vein Investigational Clinical Trial Using The Duo Venous Stent System: The VIVID Trial
Mahmood Razavi, MD
- 5:52 – 5:57** **Panel Discussion**
End of Program M

SATURDAY, NOVEMBER 18, 2023

6:15 A.M. General Registration — Gramercy Suite East, 2nd Floor

6:00 A.M. Faculty Registration — Gramercy Suite West, 2nd Floor

6:30 A.M. Continental Breakfast — 3rd Floor Promenade/Foyer

CONCURRENT SATURDAY PROGRAMS

PROGRAM N (SESSIONS 105-108)

Topics Too Important To Miss In The Treatment Of Lower Extremity, Aortic Or Carotid Disease

7:00 A.M. – 12:40 P.M.

Grand Ballroom East, 3rd Floor

PROGRAM O (SESSIONS 109-113)

Improving Outcomes In Hemodialysis Access

8:00 A.M. – 4:00 P.M.

Grand Ballroom West, 3rd Floor

PROGRAM P (SESSIONS 114-123)

Advances In Vascular Imaging And Diagnosis

7:00 A.M. – 5:30 P.M.

Murray Hill Suites, 2nd Floor

PROGRAM N (SESSIONS 105-108)

TOPICS TOO IMPORTANT TO MISS IN THE TREATMENT OF LOWER EXTREMITY, AORTIC OR CAROTID DISEASE

Grand Ballroom East, 3rd Floor

SESSION 105 (Grand Ballroom East, 3rd Floor)

LOWER EXTREMITY TOPICS TOO IMPORTANT TO MISS (4 ¾-MINUTE TALKS)

Moderators: Keith D. Calligaro, MD

Timothy M. Sullivan, MD

Venita Chandra, MD

7:00 – 7:05 Despite Recent Improved Endo Techniques, Acute Limb Ischemia (ALI) Still Has High Amputation And Mortality Rates: Why, Is It Because The Disease Has Evolved And Become More Complex: What Is Needed To Improve Results

Loay S. Kabbani, MD, MHSA

7:05 – 7:10 When Should Endovascular Treatments Be The First Choice For Common Femoral Artery (CFA) Occlusive Lesions: When Are They Contraindicated

Brian G. DeRubertis, MD

7:10 – 7:15 The Open Treatment First For CLTI In The Era Of BEST-CLI

Yana Etkin, MD

7:15 – 7:20 With Arterialization Of Pedal Veins (DVA) Improved Foot Perfusion Persists After The DVA Occludes: The “Pramook Phenomenon”: What Is The Mechanism

Steven Kum, MD

7:20 – 7:25 **DEBATE:** An Endo First Approach Is Best For Treating CLTI In Almost All Patients: The Role For Open Bypasses Is Very Limited: Has BEST-CLI And BASIL 2 Changed My Practice

Christopher J. Abularrage, MD

7:25 – 7:30 **DEBATE:** Open Bypass Should Be The First Treatment For Many CLTI Patients: When Is This So And In What Percentage Of CLTI Patients

Karan Garg, MD

- 7:30 – 7:35** **Panel Discussion**
- 7:35 – 7:40** Four Pillars To Optimize The Salvage Of Threatened Limbs: Metabolic Management, Revascularization, Good Wound Care, And Spinal Stimulation For Diabetic Neuropathy: How Does The Latter Help
Krishna Jain, MD
- 7:40 – 7:45** Pedal Medial Arterial Calcification (pMAC); Is It A Predictor Of Poor Outcomes: Does It Make Limb Salvage Hopeless
Michael S. Conte, MD
- 7:45 – 7:50** **DEBATE:** Multivessel Tibial Revascularization Does Not Improve Limb Salvage In CLTI Patients: From A VQI Study
Venita Chandra, MD
- 7:50 – 7:55** **DEBATE:** Not So: In Some Circumstances Multivessel Tibial Revascularization Does Improve Outcomes In CLTI Patients: Which Circumstances
Brian G. DeRubertis, MD
- 7:55 – 8:00** **Panel Discussion**
- 8:00 – 8:05** Indication And Technical Tips For Performing Retrograde Popliteal Artery Access
Jeffrey J. Siracuse, MD
- 8:05 – 8:10** Prograde SFA Access Can Be Safe And Effective For Lower Extremity Endo Procedures; When And How To Do It Safely
Todd Berland, MD
Karan Garg, MD
- 8:10 – 8:15** Isolated Pedal Interventions For CLTI: When Are They Worthwhile And Who Should Do Them
Mark G. Davies, MD
- 8:15 – 8:20** What Defines The No-Option CLTI Foot As A Candidate For Venous Arterialization: What Is The Medial Arterial Calcium (MAC) Score And How Does It Help
Miguel F. Montero-Baker, MD
- 8:20 – 8:25** **Panel Discussion**
- SESSION 106 (Grand Ballroom East, 3rd Floor)
MORE LOWER EXTREMITY TOPICS TOO IMPORTANT TO MISS (4 ¾-MINUTE TALKS)
Moderators: David J. Minion, MD
R. Clement Darling III, MD
- 8:25 – 8:30** Below The Ankle Recanalizations Of Occlusive Lesions: Why Are They Important; Is The Restored Patency Durable; Technical Tips To Do Them
Lorenzo Patrone, MD
- 8:30 – 8:35** Value Of Shockwave Lithotripsy For The Treatment Of Calcified Lesions Above And Below The Knee In Patients With CLTI And Those On Hemodialysis
Venita Chandra, MD
- 8:35 – 8:40** Impact Of A Dedicated Limb Preservation/Limb Salvage Service On Amputation Rates: Must It Include An Open Bypass Surgery Component
Niten Singh, MD
- 8:40 – 8:45** Atherectomy In Patients With CLTI, ISR And Diabetes: When Is It Helpful; How Durable Is It: Which Devices Are The Best
Ignacio Escotto, MD

- 8:45 – 8:50** Long-Term Outcomes Of Atherectomy – Stand Alone Or With DCBs – For Fempop Lesions: Indications, Limitations: Which Device Is Best: Update On The FLEX Vessel Prep System
Eric A. Secemsky, MD, MSc (PowerPoint Presentation With Synched Audio)
- 8:50 – 8:55** **Panel Discussion**
- 8:55 – 9:00** Duplex Flow Waveform And Flow Volume (In Addition To Flow Velocity) Can Determine Failing Vein Grafts So Patency Can Be Preserved
Kimihiro Komori, MD, PhD
- 9:00 – 9:05** Impact Of The Severity Of Chronic Kidney Disease On The Outcomes Of Lower Extremity Bypasses For CLTI: Is There A Difference Between Vein And Prosthetic Bypasses
Hepeel Chang, MD
- 9:05 – 9:10** Updated Experience With Open Leg Bypasses After Multiple Endo Treatment Failures For CLTI: They Can Produce Long-Term (>10 Years) Limb Salvage
Julien G. Sfeir, MD
- 9:10 – 9:15** Patient Survival In 2023 After Below-Knee Amputation (BKA), Above-Knee Amputation (AKA), Bilateral Amputations For Trauma; For Vascular Disease: Saving Limbs Especially In Vascular Patients Enhances Survival
Philip P. Goodney, MD, MS
- 9:15 – 9:25** **Panel Discussion**
- 9:25 – 9:30** Value Of Duplex Gray Scale In Predicting Successful SFA CTO Crossing, Re-Entry And The Need For Distal Access
Natalie A. Marks, MD, RPVI, RVT
- 9:30 – 9:35** Effect Of Short-Term Complications Of Lower Extremity Revascularizations On Long-Term Outcomes And Patient Survival
Panos Kougiass, MD, MSc
Sherene E. Sharath, PhD, MPH
Joseph L. Mills, MD
- 9:35 – 9:40** Role Of Atherectomy For Lower Extremity Lesions In The Post BEST-CLI Era
James F. McKinsey, MD
- 9:40 – 9:45** How To Use Microcatheters To Facilitate Complex Peripheral Interventions
Jos C. van den Berg, MD, PhD
- 9:45 – 9:50** **Panel Discussion**
- 9:50 – 10:00** **Break – Visit Exhibits And Pavilions (3rd Floor)**

SESSION 107 (Grand Ballroom East, 3rd Floor)

AORTIC TOPICS TOO IMPORTANT TO MISS (4 ¾-MINUTE TALKS) AND SPINE EXPOSURE (6-MINUTE TALKS)

Moderators: *Timur P. Sarac, MD*
Mark A. Adelman, MD

- 10:00–10:05** Fenestrated EVAR Versus Chimney EVAR For Juxtarenal AAAs: When Is One Better Than The Other And What Are The Critical Considerations
Piergiorgio Cao, MD
- 10:05–10:10** Improved System For Evaluating Aortic Neck Anatomy And Suitability For EVAR And Need For F/EVAR
David J. Minion, MD

- 10:10–10:15** Hybrid Preservation Of Hypogastric Artery Flow Using A Viabahn Stent-Graft Followed By Open Repair For Large Hypogastric Aneurysms
Benjamin J. Pearce, MD

SPINE EXPOSURE SURGERY

- 10:15–10:21** Technical Tips And Tools For The Vascular Surgeon To Provide Anterior Exposure For Spine Procedures (6-Minute Presentation)
Jeffrey Jim, MD, MPH
- 10:22–10:28** Vascular Complications Of Anterior Spine Exposures; How To Avoid Them And How To Treat Them If They Occur (6-Minute Presentation)
William P. Robinson, MD
- 10:28–10:33** Outcomes Of EVAR In Over 18,000 High-Risk Patients Ineligible For Open Repair: When Is EVAR Justified Over No Intervention In Such Patients: Why Is EVAR 2 No Longer Relevant
George A. Antoniou, MD, PhD, MSc
- 10:34–10:39** Should The Celiac Artery Be Stented Or Not During Complex Aortic Aneurysm Repair In Patients With Median Arcuate Ligament Syndrome (MALS) Or In Any Patients With MALS
Jesse M. Manunga, MD
- 10:40–10:45** Open Versus Endovascular Treatment For Chronic Mesenteric Ischemia: Operative Outcomes And Patient Survival
Michael C. Stoner, MD
- 10:45–10:50** **Panel Discussion**
- 10:50–10:55** **DEBATE:** Evolution Of Stent-Graft Design And Changes In Appropriate Neck Lengths Make F/EVAR Superior To Ch/EVAR
Athanasios Katsargyris, MD
Eric L.G. Verhoeven, MD, PhD
- 10:55–11:00** **DEBATE:** Not So: Properly Performed Ch/EVAR Can Have Comparable Outcomes To F/EVAR: Technical Tips For Optimal Ch/EVAR Performance
Manish Mehta, MD, MPH
- 11:00–11:05** The Vascular Surgeon's Role In TAVR Procedures Via The Common Carotid Artery: Pitfalls And Technical Tips
Gregg S. Landis, MD
- 11:05–11:10** With Juxtarenal Aorto-Iliac Occlusive Disease, Infraarenal Aortic Transection And Endarterectomy Combined With Thrombectomy Avoids Supraceliac Clamping: How To Do It Without Renovisceral Embolization: 10-Year Experience And Technical Tips
Wayne W. Zhang, MD
- 11:10–11:15** Transcaval Access For TEVAR: When And How To Do It Without Aortic Or Retroperitoneal Bleeding
Ross Milner, MD
- 11:15–11:20** **Panel Discussion**

SESSION 108 (Grand Ballroom East, 3rd Floor)

AORTIC AND CAROTID TOPICS TOO IMPORTANT TO MISS (4 ¾-MINUTE TALKS)

Moderators: *Manish Mehta, MD, MPH*
Patrick J. Lamparello, MD
Frank J. Veith, MD

TOPICS RELATED TO THE AORTA AND ITS BRANCHES

- 11:20-11:25** DEBATE: The Vast Majority Of Failed EVARs Can Be Treated Endovascularly
Ross Milner, MD
- 11:25-11:30** DEBATE: Not So: Many Failed EVARs Are Best Repaired By Open Conversion
Michel Makaroun, MD
- 11:30-11:35** Techniques For Improving Proximal Landing Zones For TEVARs And Aortic Dissections Involving The Aortic Arch; Parallel Grafts And Extra-Anatomic Bypasses
R. Clement Darling III, MD
- 11:35-11:40** Comparison Of Results Of Primary F/EVAR With Those Of F/EVAR After Failed EVAR: Technical Tips For The Latter
Mark L. Schermerhorn, MD
- 11:40-11:45** When And How To Treat Isolated Visceral Artery Aneurysms: The Value Of Embolization Coils
Paulo E. Ocke-Reis, MD, PhD
- 11:45-11:50** Primary Use Of Endoanchors For Hostile Proximal Neck Anatomy With EVAR: Mid-Term Results Show Their Value
Apostolos K. Tassiopoulos, MD
- 11:50-11:55** Reinterventions After F/EVAR: What Are They And What Is Their Individual Impact On Survival
Jason T. Lee, MD
- 11:55-12:05** **Panel Discussion**

CAROTID TOPICS

- 12:05-12:10** Avoidable Errors During TCAR And How To Avoid Them: How To Detect And Manage Intolerance To Flow Reversal
Thomas S. Maldonado, MD
- 12:10-12:15** Tips And Tricks For Successful TCAR And When Is CEA And Best Medical Treatment Better Than TCAR
Jeffrey Jim, MS, MPHS
- 12:15-12:20** How To Use The Silk Road TCAR Device In The Treatment Of Tandem Carotid Lesions: Technical Tips And Results
Michael C. Stoner, MD
- 12:20-12:25** Radiation To The Neck Creates Significant Risk For Carotid Artery Complications Without And With Surgery (CEA): Can Anything Be Done About Them
Cynthia K. Shortell, MD
- 12:25-12:30** Techniques For Dealing With Challenging Carotid Lesions: How Does TCAR Facilitate Treatment When Nothing Else Could Work
Joseph J. Ricotta II, MD, MS
- 12:30-12:35** Mini-Incision CEA With Standard Or Eversion Techniques: How To Do It Safely: It's Better Than Transfemoral CAS Or TCAR
Alan M. Dietzek, MD
- 12:35-12:40** **Panel Discussion**
- End of Program N**
- VEITHsymposium continues with the A-V Access Program in the Grand Ballroom West, 3rd floor, and the Advances in Vascular Imaging and Diagnosis Program in the Murray Hill Suites, 2nd floor.*

PROGRAM O (SESSIONS 109-113)
IMPROVING OUTCOMES IN HEMODIALYSIS ACCESS

Grand Ballroom West, 3rd Floor

Course Leaders: Larry A. Scher, MD
Anton N. Sidawy, MD, MPH
Haimanot (Monnie) Wasse, MD, MPH

8:00 – 8:05 Introduction
Larry A. Scher, MD
Anton N. Sidawy, MD, MPH

SESSION 109 (Grand Ballroom West, 3rd Floor)
IMPORTANT ISSUES IN HEMODIALYSIS ACCESS (7-MINUTE TALKS)

Moderators: Larry A. Scher, MD
Anton N. Sidawy, MD, MPH

- 8:06 – 8:13** Vascular Access Cosmesis: Does It Really Matter
Charmaine Lok, MD
- 8:14 – 8:21** Put The Books Aside! Novel Tools For Teaching Vascular Access To The Millennials
Samira Farouk, MD
- 8:22 – 8:29** 40-Year Lack Of Progress In Hemodialysis Access Cannulation
Deborah Brouwer-Maier, RN, CNN
- 8:30 – 8:37** Buttonhole Dialysis Access Cannulation: A 2023 Update
Dori R. Schatell, MS
- 8:38 – 8:45** Home Dialysis And Self-Cannulation: What Are The Challenges From A Patient's Perspectives
Lissette Ramos-Multani
- 8:46 – 8:53** Ultrasound Guided Cannulation Of HD Access: Pearls And Pitfalls
Vandana D. Niyyar, MD
- 8:54 – 9:04** **Panel Discussion**
- 9:05 – 9:12** Improving Kidney Care For The Geriatric Population
Charmaine Lok, MD
- 9:13 – 9:20** Surgeon Factors Have A Greater Effect On Vascular Access Type And Outcomes Than Patient Factors
Peter F. Lawrence, MD
Karen Woo, MD, PhD
- 9:21 – 9:28** Are Long-Term Tunneled Catheters Ever The Best Option For Hemodialysis
Jeffrey J. Siracuse, MD, MBA
- 9:29 – 9:36** Cannulation Of Deep AV Fistulas – What Are My Options
John R. Ross, Sr., MD
- 9:37 – 9:44** Creating Successful Hemodialysis Access In Children
Vincent I. Rowe, MD
- 9:45 – 9:52** Clinical Trial Management: Pitfalls And Lessons Learned
Karl A. Illig, MD
- 9:53 – 10:03** **Panel Discussion**
- 10:04–10:25** **Break – Visit Exhibits And Pavilions (3rd Floor)**

SESSION 110 (Grand Ballroom West, 3rd Floor)
MORE IMPORTANT ISSUES IN HEMODIALYSIS ACCESS (7-MINUTE TALKS)

Moderators: Haimanot (Monnie) Wasse, MD, MPH
Evan C. Lipsitz, MD, MBA

- 10:26–10:33** Tracking Dialysis Access Outcomes: Frustrations Of A Practicing Dialysis Access Surgeon
John F. Lucas III, MD
- 10:34–10:41** Can The SVS Vascular Quality Initiative Provide Practical Quality Measures For Hemodialysis Access
Evan C. Lipsitz, MD, MBA
- 10:42–10:49** Does Preoperative Vascular Mapping Matter Before Access Creation
Charmaine Lok, MD
- 10:50–10:57** Intraoperative Vascular Mapping During Hemodialysis Access Surgery Should Be Incorporated Into Routine Practice
Yana Etkin, MD
- 10:58–11:05** Volume Flow Measurement In Dialysis Access: Why Is It Important
Deborah Brouwer-Maier, RN, CNN
- 11:06–11:13** Flow Reduction Techniques And Their Importance In Access Durability
William Jennings, MD
- 11:14–11:24** **Panel Discussion**

MANAGEMENT OF HEMODIALYSIS ACCESS ANEURYSMS

- 11:25–11:32** Use Of Deep Learning To Classify Arteriovenous Access Aneurysms
Peter Kotanko, MD
- 11:33–11:40** Risk Stratification For Hemodialysis Access Aneurysms
Christian Ochoa, MD
- 11:41–11:48** Surgical Options For Managing AV Access Aneurysms
Vicki J. Teodorescu, MD
- 11:49–11:59** **Panel Discussion**
- 12:00– 1:00** **Lunch Break – Mercury Rotunda & Ballroom, 3rd Floor**

SESSION 111 (Grand Ballroom West, 3rd Floor)

POLITICAL, ECONOMIC AND LEGAL ISSUES IN HEMODIALYSIS ACCESS (7-MINUTE TALKS)

Moderators: *Larry A. Scher, MD*

Anton N. Sidawy, MD, MPH

- 1:00 – 1:07** Current Landscape Of Legal Enforcement In The Vascular Access World
Terry Litchfield, MPA
- 1:08 – 1:15** Training Surgeons And Interventionalists In Vascular Access: What Are The Options
Karl A. Illig, MD
- 1:16 – 1:23** How Old Is Too Old: How Can I Stay Relevant In My Specialty
John R. Ross, Sr., MD
- 1:24 – 1:31** Development Of MIPS (Merit Based Incentive Payment System) Value Pathways For Dialysis Access
Evan C. Lipsitz, MD, MBA
- 1:32 – 1:39** Coding Integrity: Compliance 101 For Vascular Access Providers
Terry Litchfield, MPA
- 1:40 – 1:50** **Panel Discussion**

SESSION 112 (Grand Ballroom West, 3rd Floor)

NOVEL TECHNOLOGIES IN HEMODIALYSIS ACCESS (7-MINUTE TALKS)

*Moderators: Haimanot (Monnie) Wasse, MD, MPH
Clifford M. Sales, MD, MBA*

- 1:51 – 1:58** Initial Clinical Experience With A Novel Ultrasound System: Feasibility Trial Update
Alex Yevzlin, MD
- 1:59 – 2:06** Potential Use Of Infrared Hyperspectral Imaging To Predict Hemodialysis Fistula Maturation And Complications
John E. Aruny, MD
- 2:07 – 2:14** Natural Vascular Scaffolding: What Is It And How Can It Be Used In Hemodialysis Access
Venita Chandra, MD
- 2:15 – 2:22** Is There A Role For Intravascular Lithotripsy In Hemodialysis Access Surgery
Surendra Shenoy, MD, PhD
- 2:23 – 2:30** The Future Of AV Graft Technology: What Is In The Pipeline
Buddy D. Ratner, PhD
- 2:31 – 2:38** Novel Endovascular Venous Anastomotic Device For AV Graft Implantation: Results Of A Prospective Multicenter Trial
Alex Yevzlin, MD
- 2:39 – 2:49** **Panel Discussion**

SESSION 113 (Grand Ballroom West, 3rd Floor)

UPDATE ON CLINICAL CHALLENGES IN HEMODIALYSIS ACCESS (7-MINUTE TALKS)

*Moderators: Larry A. Scher, MD
Surendra Shenoy, MD, PhD*

DEBATE: THORACIC OUTLET DECOMPRESSION AFTER HEMODIALYSIS ACCESS CREATION

- 2:50 – 2:57** **DEBATE:** Transaxillary First Rib Resection For Thoracic Outlet Decompression For Subclavian Venous Stenosis After Ipsilateral Hemodialysis Access Creation
Sungho Lim, MD
- 2:58 – 3:05** **DEBATE:** Selective Use Of First Rib Resection Versus Medical Claviculectomy For Thoracic Outlet Decompression After Hemodialysis Access Creation
Surendra Shenoy, MD, PhD
- 3:06 – 3:13** Optimizing AV Fistula Maturation With The VasQ Device: Update On Clinical Trials
Ellen D. Dillavou, MD
- 3:14 – 3:21** Creating AV Access In Patients With Ipsilateral Central Venous Stenosis
William Jennings, MD
- 3:22 – 3:29** New Paradigms To Treat Cephalic Arch Stenosis: Go With The Flow
Mark G. Davies, MD
- 3:30 – 3:37** Optimizing Dialysis Access Strategies In The Geriatric And Bariatric Population
Jason K. Wagner, MD
- 3:38 – 3:45** Hemodialysis Access: Which Patients Fare Well, Which Patients Fare Poorly
Laura E. Niklason, MD, PhD
- 3:46 – 3:56** **Panel Discussion**

3:57 – 4:00 Closing Remarks
Larry A. Scher, MD
End of Program O

PROGRAM P (SESSIONS 114-123)
ADVANCES IN VASCULAR IMAGING AND DIAGNOSIS

Murray Hill Suites, 2nd Floor

Course Leaders: George L. Berdejo, BA, RVT
Natalie A. Marks, MD, RPVI, RVT
Ann Marie Kupinski, PhD
Laurence Needleman, MD

7:00 – 7:10 Welcome And Opening Remarks: Navigating The Meeting And Optimizing Your Experience
George L. Berdejo, BA, RVT

SESSION 114 (Murray Hill Suites, 2nd Floor)
VASCULAR SONOGRAPHY IN ACUTE AND CHRONIC LIMB ISCHEMIA

Moderator: *George L. Berdejo, BA, RVT*

7:10 – 7:20 Still Important Role Of Physiologic Testing
Anahita Dua, MD, MS, MBA

7:20 – 7:30 Infrapopliteal And Pedal Artery Imaging
Jill S. Sommerset, BS, RVT

7:30 – 7:40 Clinical Decision Making Based On The Results Of Noninvasive Testing
David L. Dawson, MD

7:40 – 7:50 Duplex Guided Interventions
Natalie A. Marks, MD, RPVI, RVT

7:50 – 8:00 Post-Operative Surveillance: When, How Often
R. Eugene Zierler, MD

8:00 – 8:20 **Panel Discussion**

SESSION 115 (Murray Hill Suites, 2nd Floor)
WAVEFORMS – LESSONS LEARNED FROM CASES WITH UNIQUE WAVEFORMS WHICH LEAD TO FURTHER TESTING OR UNUSUAL PATHOLOGY

Moderator: *George L. Berdejo, BA, RVT*

8:20 – 8:30 Global Cardiac Effects On The Peripheral Vascular Evaluation
David M. Williams, MS, RDMS, RVT

CASE STUDY PRESENTATIONS

8:30 – 8:38 Vein Imaging
Nicos Labropoulos, BSc (Med), PhD, DIC, RVT

8:38 – 8:46 Cerebrovascular
Maya Hutchinson, MHS

8:46 – 8:54 Abdominal
Traci B. Fox, EdD, RDMS, RVT

8:54 – 9:02 Hemodialysis Access
Ann Marie Kupinski, PhD, RVT

9:02 – 9:20 **Panel Discussion**

9:20 – 9:45 **Break – Visit Exhibits (3rd Floor)**

SESSION 116 (Murray Hill Suites, 2nd Floor)
LESSONS LEARNED IN THE VASCULAR LAB THROUGH THE QA ACCREDITATION PROCESS

Moderator: *Ann Marie Kupinski, PhD, RVT*

- 9:45 – 9:53** Instantaneous Vascular Lab QA Reporting From The EVS Suite And OR
David M. Williams, MS, RDCS, RVT
- 9:53 – 10:01** Reports: Improving The Interpretation
David L. Dawson, MD
- 10:01–10:09** Quality Improvement Metrics – What We Need To Look For
Joseph P. Hughes, MBA, RVT, RVS, RPhS, NVS
- 10:09–10:17** Potpourri
Laurence Needleman, MD
- 10:17–10:35** **Panel Discussion**

SESSION 117 (Murray Hill Suites, 2nd Floor)

BEYOND THE CORE CONCEPTS IN VASCULAR TESTING: ARE YOU MEETING THE STANDARD

(This session will venture into advanced vascular evaluation related to vascular testing as it relates to pre-operative diagnosis and post-intervention follow-up and patient evaluation and will describe appropriate use, standard and non-standard image acquisition and other components that define the “complete” vascular examination.)

Moderator: *Natalie A. Marks, MD, RPVI, RVT*

- 10:35–10:45** Lower Extremity Imaging After Endovenous Procedures: When, What To Expect And How To Report Your Findings
Neil M. Khilnani, MD
- 10:45–10:55** “Limited” Imaging Protocols In A Covid-19 World: How Safe Is This; Are They Still Necessary
Anahita Dua, MD
- 10:55–11:05** Carotid Artery Imaging Pre And Post Stenting And/OR Endarterectomy: It’s More Than The Usual Protocol
Maya Hutchinson, MHS
- 11:05–11:15** Evaluation Of Fibromuscular Dysplasia
Nicos Labropoulos, BSc (Med), PhD, DIC, RVT
- 11:15–11:35** **Panel Discussion**
- 11:35–11:50** **Lunch Break – South Corridor, 2nd Floor**

SESSION 118 (Nassau Suites East & West, 2nd Floor)

TECHNICAL SKILLS LAB

(This session will be an informal setting which will allow you to visit with recognized experts in the field and will provide an opportunity for “hands-on” time and conversation to glean technical tips in the various areas of vascular ultrasound and physiologic testing.)

Moderators: *Fernando Amador, RVT*
Richard Dubin, AAS-DMS, RVT, RDMS

- 11:50–12:50** Station 1: Pedal Artery Imaging
Jill S. Sommerset, BS, RVT
- Station 2: Carotid Artery Imaging
William N. Del Valle, RVT
- Station 3: Transcranial Duplex
Joseph P. Hughes, MBA, RVT, RVS, RPhS, NVS
- Station 4: Pelvic Venous Reflux Testing
Jan M. Sloves, RVT
- Station 5: Renal Artery Imaging
Robert De Jong, RDMS, RVT
- Station 6: Physiologic Testing
Kayla Wieseckel, MHS, RVT, RVS, RPhS
- Station 7: Hemodialysis Access
Ann Marie Kupinski, PhD, RVT

SESSION 119 (Murray Hill Suites, 2nd Floor)

INTERPRETING WITH THE MASTERS

Moderator: *Ann Marie Kupinski, PhD, RVT*

12:50– 1:50 Panel Discussion: Interpreting With The Masters

Panelists: David L. Dawson, MD
Anahita Dua, MD, MS, MBA
Ann Marie Kupinski, PhD, RVT
R. Eugene Zierler, MD, RPVI

SESSION 120 (Murray Hill Suites, 2nd Floor)

VENOUS IMAGING: TESTING FOR LEG REFLUX AND PELVIC VEIN DISORDERS

Moderator: *Nicos Labropoulos, BSc (Med), PhD, DIC, RVT*

1:50 – 1:58 The Clinical Examination Matters And Guides The Ultrasound Examination
Anahita Dua, MD, MS, MBA

1:58 – 2:06 5 Top Tips For Lower Extremity Vein Mapping
Richard Dubin, AAS-DMS, RVT, RDMS

2:06 – 2:14 5 Top Tips For Pelvic Vein Imaging
Jan M. Sloves, RVT

2:14 – 2:22 The Role Of IVUS In Vein Procedures
Steven Elias, MD

2:22 – 2:30 Common And Uncommon Reflux Pathways
Nicos Labropoulos, BSc (Med), PhD, DIC, RVT

2:30 – 2:38 Panel Discussion

SESSION 121 (Murray Hill Suites, 2nd Floor)

ERGONOMICS - AUDIT YOUR VASCULAR LAB: ARE YOU ERGONOMICALLY “SOUND”; ERGONOMICS “SOS” (SOUND OCCUPATIONAL STRATEGIES)

(This important session will discuss strategies designed to help you to Ergonomically Enhance the Experience for the Vascular Sonographer by 1) increasing awareness around health and safety in the workplace; 2) recognizing factors that influence the Vascular ultrasound professionals’ likelihood of developing work-related musculoskeletal disorders; and 3) reducing ergonomic injury and prevent long-term permanent bodily damage.)

Moderators: *George L. Berdejo, BA, RVT*
Joseph P. Hughes, MBA, RVT, RVS, RPhS, NVS

2:38 – 2:46 Managing Turbulent High Volumes And High Impact Examinations – Save Your Staff, Enhance Sonographer Satisfaction And Maximize Productivity And Maximize Careers: Advocating On Behalf Of Yourself And Your Staff – How And Why It’s Important
Joseph P. Hughes, MBA, RVT, RVS, RPhS, NVS

2:46 – 2:54 Increase Your “Ergonomic Index” – Basic And Innovative Ways To Make Exams More Ergonomic – “Accessorizing” The Vascular Lab Suite
Kayla Wieseckel, MHSc, RVT, RVS, RPhS

2:54 – 3:02 How To Be Ergonomically Sound With Obese And Uncooperative Patients
Robert De Jong, RDMS, RVT

3:02 – 3:15 Break

SESSION 122 (Murray Hill Suites, 2nd Floor)

PRACTICE ENHANCEMENTS AND PHILOSOPHICAL ISSUES

Moderator: *George L. Berdejo, BA, RVT*

3:15 – 3:25 Critical Vascular Lab Findings: Which Are They And How Do You Manage This
R. Eugene Zierler, MD

- 3:25 – 3:33** IAC Consensus Criteria 0 - How Widespread Is Its Use In IAC Accredited Labs And How To Incorporate It Into Your Practice
Aubrey Rybynski, BS, RDMS, RVT
- 3:33 – 3:41** CEA – When Duplex Is And Is Not Enough Or Redundant Testing/Imaging Prior To CEA: Is There Too Much Happening; When Is Duplex Enough And When Is More Imaging Necessary, If At All
David L. Dawson, MD
- 3:41 – 3:49** Patterns Of Infrapopliteal Arterial Occlusive Disease: Lessons Learned From A Survey Of A Small Community Hospital
William N. Del Valle, RVT
- 3:49 – 3:57** IAC Updates
Aubrey Rybynski, BS, RDMS, RVT
- 3:57 – 4:05** Reimbursement Updates
Joseph P. Hughes, MBA, RVT, RVS, RPhS, NVS
- 4:05 – 4:20** **Panel Discussion (Combined Sessions 121 And 122)**

SESSION 123 (Murray Hill Suites, 2nd Floor)

ABDOMEN; CURVEBALLS AND CONTROVERSIES

Moderator: *Richard C. Pennell, MD, RPVI*

- 4:10 – 4:20** Renal Artery Evaluation: 5 Top Tips
Robert De Jong, RDMS, RVT
- 4:20 – 4:30** The Endograft Examination From A to Z
Kayla Wieseckel, MHSc, RVT, RVS, RPhS
- 4:30 – 4:40** Common And Not So Common Aortic Pathologies
Richard C. Pennell, MD, RPVI
- 4:40 – 4:50** Critical Vascular Lab Findings: Which Are They And How Do You Manage This
R. Eugene Zierler, MD
- 4:50 – 5:00** Hemodialysis Access “Surveillance”: Flow Volume, Flow Velocity And How Often Is Appropriate
Anahita Dua, MD, MS, MBA
- 5:00 – 5:10** Pre-Operative Dialysis Access Mapping Including Endo-AVF Creation: Tips And Tricks
Richard Dubin, AAs-DMS, RVT, RDMS
- 5:10 – 5:30** **Panel Discussion**
End of Program

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