



VEITH SYMPOSIUM[®]

Connecting The **Vascular** Community

48th

Tuesday – Saturday, November 16-20, 2021

VEITH

VASCULAR ENDOVASCULAR ISSUES TECHNIQUES HORIZONS



Symposium Chairman
Frank J. Veith, MD

Symposium Co-Chairmen
Enrico Ascher, MD
Kenneth Ouriel, MD, MBA
Sean P. Lyden, MD

Sponsored by



www.VEITHsymposium.org

PROGRAM OUTLINE AT A GLANCE

TUESDAY PROGRAMS

Program A: (Sessions 1-8) 6:45 A.M. – 3:21 P.M.

Progress In Transcatheter Heart Valves And Thoracic And Abdominal Aortic Disease

(Sessions 9 and 10) 3:22 PM – 6:15 PM)

Management of Pulmonary Embolism

Location: LECTURE HALL 1 - BONNET CREEK BALLROOM

Program B: (Sessions 11-22) 6:50 A.M. – 6:10 P.M.

Progress In Vascular Robotics, Guidance Systems, Simulation And Laparoscopy; New Developments In Carotid Disease And Acute Stroke Treatment; Abdominal Aortic Branch Treatment; Hot New Topics In Lower Extremity Occlusive Disease Treatment; New Technology, New Concepts And Artificial Intelligence (AI); Vascular Surgery Recognition, Identity And Independence; Updates On Open And Hybrid Vascular Surgery And Treatment Of Aortic Coarctation; Updates On Vascular Malformations And Their Treatment

Location: LECTURE HALL 2 - FLORIDIAN BALLROOM

WEDNESDAY PROGRAMS

Program C: (Sessions 23-30) 6:40 A.M. – 3:56 P.M.

Progress In Lower Extremity Occlusive Disease And Its Treatment

(Sessions 31 and 32) 3:56 P.M. - 5:31 PM

New Developments In Medical Treatments And New Drugs; Progress In Antiatherogenic, Antihypertensive And Cardiac Treatments: Cardiac Effects Of COVID - 19

Location: LECTURE HALL 1 - BONNET CREEK BALLROOM

Program D: (Sessions 33-42) 7:00 A.M. – 6:10 P.M.

Management Of Endoleaks; More Topics Related To Thoracic And Abdominal Aortic Diseases And Their Treatment; Treatment Of Complex AAAs; Treatment Of Iliac Aneurysms; Iliac Branched Devices And Miscellaneous Topics Related To Reimbursement, Outpatient Labs, the FDA And The SVS VQI

Location: LECTURE HALL 2 - FLORIDIAN BALLROOM

THURSDAY PROGRAMS

Program E: (Sessions 43-50) 7:00 A.M. – 5:25 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 AAA; More About New Devices, Techniques Or Concepts; Progress In Radiation Safety

Location: LECTURE HALL 1 - BONNET CREEK BALLROOM

Program F: (Sessions 51-59) 7:00 A.M. – 5:20 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: LECTURE HALL 2 - FLORIDIAN BALLROOM

Program G: (Sessions 60-69) 8:00 A.M. – 5:50 P.M.

Superficial Venous Disease

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

Location: LECTURE HALL 3 - WALDORF ASTORIA GRAND BALLROOM A

Program H: (Sessions 70-72) 7:45 A.M. – 12:10 P.M.

Cerebrovascular Disease And Its Treatment

Course Leader: Allan L. Brook, MD

Location: LECTURE HALL 4 - FLORIDIAN BALLROOM, SALON H

FRIDAY PROGRAMS

Program I: (Sessions 73-80) 7:00 A.M. – 4:50 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), Carotid Clot And More Carotid Topics; Other New Endovascular Treatment Concepts, Techniques; Update On Percutaneous Access Closure Devices And Wound Care

Location: LECTURE HALL 1 - BONNET CREEK BALLROOM

Program J: (Sessions 81-88) 7:20 A.M. – 5:30 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; Recorded Live Cases: Complex Endovascular Cases From The Mayo Clinic; 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: LECTURE HALL 2 - FLORIDIAN BALLROOM

Program K: (Sessions 89-97) 7:30 A.M. – 4:45 P.M.

Deep Venous Disease

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

Location: LECTURE HALL 3 - WALDORF ASTORIA GRAND BALLROOM A

SATURDAY PROGRAMS

Program L: (Sessions 98-102) 7:00 A.M. – 1:05 P.M.

Topics Too Important To Miss In The Treatment Of Lower Extremity, Aortic Or Carotid Disease, COVID-19 Updates

Location: LECTURE HALL 1 - BONNET CREEK BALLROOM

Program M: (Sessions 103-106) 8:00 A.M. – 3:25 P.M.

Improving Outcomes In Hemodialysis Access

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

Location: LECTURE HALL 2 - FLORIDIAN CREEK BALLROOM



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COMPONENT MEETING LEADERS

Jose I. Almeida, MD, RPVI, RVT
George L. Berdejo, BA, RVT
Allan L. Brook, MD
Jacob Cynamon, MD
Krassi Ivancev, MD, PhD
Michael R. Jaff, DO
Lowell S. Kabnick, MD, RPhS
Natalie A. Marks, MD, RPVI, RVT
Larry A. Scher, MD
Anton N. Sidawy, MD, MPH
Robert L. Vogelzang, MD
Thomas W. Wakefield, MD
Haimanot (Monnie) Wasse, MD, MPH
Wayne F. Yakes, MD

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CENTER FOR CONTINUING MEDICAL EDUCATION

Steven M. Kawczak, PhD

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Inari Medical
LimFlow, Inc.
Medtronic
Merit Medical Systems, Inc.
Penumbra, Inc.
Philips Image Guided Therapy
Reflow Medical
Shockwave Medical
Silk Road Medical
Terumo Aortic

SPECIAL CME, NON-CME AND OTHER INDUSTRY SPONSORED EVENTS

(PLEASE VISIT WWW.VEITHSYMPOSIUM.ORG FOR A FULL AND UPDATED LISTING OF THESE ACTIVITIES.)

TUESDAY, NOVEMBER 16, 2021

BD

Lunch Symposium: Real-World PAD Strategies for Complex Lesions

12:00 P.M. – 1:30 P.M.

Location: BD Pavilion, Floridian Ballroom - Salon F

(This is a Non-CME activity.)

CARDIOVASCULAR SYSTEMS, INC. (CSI)

Lunch Symposium: Battling Complex CLI with CSI - Learn How to Approach and Treat Advanced Disease

12:00 P.M. – 1:00 P.M.

Location: Floridian Ballroom – Salon G

(This is a Non-CME activity.)

CLEVELAND CLINIC AND THE ACADEMY FOR CONTINUED HEALTHCARE LEARNING (ACHL)

Dinner Symposium on DOACs in PAD Post-Revascularization

6:00 P.M. – 8:00 P.M.

Location: Floridian Ballroom - Salon H

This CME activity is sponsored by the Cleveland Clinic Center for Continuing Education & The Academy for Continued Healthcare Learning (ACHL).

This activity has been approved for AMA PRA Category 1 Credit™.

ENDOLOGIX

Luncheon: A Lunch & Learn on EVAR Management in Challenging Aortic Anatomies

12:00 P.M. – 1:00 P.M.

Location: Endologix Pavilion, Floridian Ballroom - Salon I

(This is a Non-CME activity.)

SPECIAL CME, NON-CME AND OTHER INDUSTRY SPONSORED EVENTS

ENDOLOGIX (continued)

Virtual Reality Opportunity!

1:30 P.M. - 5:00 P.M.

Register here: <https://bit.ly/VRforEVAR>

GORE & ASSOCIATES

Lunch Symposium: Advancing the Quadruple Aim Through Physician and Supply Chain Collaboration

12:00 P.M. – 1:00 P.M.

Location: Gore Pavilion, Bonnet Creek Ballroom - Salons II & III

(This is a Non-CME activity.)

Medical Mastery Series

9:00 A.M. - 5:00 P.M.

Location: Floridian Ballroom - Salon L

JANSSEN PHARMACEUTICALS, INC.

Lunch Symposium: Clinical Insights in PAD: Reducing the Risk of Major Thrombotic Vascular Events

12:00 P.M. – 1:00 P.M.

Location: Floridian Ballroom – Salon H

(This is a Non-CME activity.)

PENUMBRA

Reception: Latest Innovation in PE Treatment and Workflow with Penumbra and RapidAI®

6:00 P.M. - 7:00 P.M.

Location: Penumbra Pavillion, Floridian Ballroom - Salon J

SPECIAL CME, NON-CME AND OTHER INDUSTRY SPONSORED EVENTS

WEDNESDAY, NOVEMBER 17, 2021

3M

Lunch Symposium: Reducing Hospital Readmissions in Vascular Surgery by Optimizing Surgical Outcome: Strategies for Success

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

Location: Floridian Ballroom – Salon G

(This is a non-CME activity.)

COOK MEDICAL

Lunch and Lively Debate: PAD

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

Location: Cook Medical Pavilion, Bonnet Creek Ballroom Salons IX & XII

(This is a non-CME activity.)

ENDOLOGIX

Virtual Reality Opportunity!

1:30 P.M. - 5:00 P.M.

Register here: <https://bit.ly/VRforEVAR>

GORE & ASSOCIATES

Lunch Symposium: The GORE® VIABAHN® Family of Covered Stents: Durable Treatment for Peripheral Arterial Diseases

12:00 P.M. – 1:00 P.M.

Location: Gore Pavilion, Bonnet Creek Ballroom - Salons II & III

(This is a Non-CME activity.)

Medical Mastery Series

9:00 A.M. - 5:00 P.M.

Location: Floridian Ballroom - Salon L

INARI MEDICAL

Luncheon Program

12:00 P.M. – 1:00 P.M.

Location: Floridian Ballroom – Salon H

(This is a Non-CME activity.)

SPECIAL CME, NON-CME AND OTHER INDUSTRY SPONSORED EVENTS

MEDTRONIC

Lunch Symposium: Hot Topics in PAD Intervention. SFA/BTK Roundtable: New Innovations, Evidence, Tools & Techniques for Your Practice

12:00 P.M. – 1:00 P.M.

Location: Medtronic Pavilion, Bonnet Creek Ballroom – Salon V & VI

PENUMBRA

Afternoon Symposium: Current Management Strategies for Complex Aneurysms and Vessel Sacrifice

3:00 P.M. – 4:00 P.M.

Location: Penumbra Pavillion, Floridian Ballroom - Salon J

TERUMO INTERVENTIONAL SYSTEMS

Breakfast Symposium: Advancements in the Endovascular Treatment of Peripheral Artery Disease and Critical Limb Ischemia

Wednesday, November 17, 2021

6:30 A.M. - 7:30 A.M.

Location: Floridian Ballroom - Salon H

THURSDAY, NOVEMBER 18, 2021

COOK MEDICAL

Lunch and Lively Debate: AORTIC

12:00 P.M. – 1:00 P.M.

Location: Cook Medical Pavilion, Bonnet Creek Ballroom - Salons IX & XII

ENDOLOGIX

Virtual Reality Opportunity!

1:30 P.M. - 5:00 P.M.

Register here: <https://bit.ly/VRforEVAR>

GORE & ASSOCIATES

Lunch Symposium: Beyond Durability: Compelling Insights and Remaining Questions from Five Years of Follow Up

12:00 P.M. – 1:00 P.M.

Location: Gore Pavilion, Bonnet Creek Ballroom – Salons II & III

SPECIAL CME, NON-CME AND OTHER INDUSTRY SPONSORED EVENTS

GORE & ASSOCIATES (continued)

Medical Mastery Series

9:00 A.M. - 5:00 P.M.

Location: Floridian Ballroom - Salon L

MEDTRONIC

Lunch Symposium: Valiant Captivia Clinical Experience Roundtable: Long-term Durability in Challenging Cases of the Descending Thoracic Aorta

12:00 P.M. – 1:00 P.M.

Location: Medtronic Pavilion, Bonnet Creek Ballroom – Salon V & VI

PENUMBRA

Morning Symposium: Lightning Computer-Aided Mechanical Aspiration for VTE

8:00 A.M. - 9:00 A.M.

Location: Penumbra Pavillion, Floridian Ballroom - Salon J

Lunch Symposium: My Preferred Approach to Type II Endoleak Management

12:00 P.M. – 1:00 P.M.

Location: Penumbra Pavillion, Floridian Ballroom - Salon J

FRIDAY, NOVEMBER 19, 2021

BD

Lunch Symposium: Creating Hemodialysis Access Utilizing BD's Innovative ESKD Solutions – A Discussion on WavelinQ™ EndoAVF System and Pristine™ Long-Term Hemodialysis Catheter

12:00 P.M. – 1:30 P.M.

Location: BD Pavilion, Floridian Ballroom - Salon F

COOK MEDICAL

Webinar: Venous Self-Expanding Stents: A Discussion Around Newly Presented Data and Achieving Optimal Outcomes

12:00 P.M. – 1:00 P.M.

Location: Cook Medical Pavilion, Bonnet Creek Ballroom - Salons IX & XII

SPECIAL CME, NON-CME AND OTHER INDUSTRY SPONSORED EVENTS

GORE & ASSOCIATES

Medical Mastery Series

9:00 A.M. - 5:00 P.M.

Location: Floridian Ballroom - Salon L

SATURDAY, NOVEMBER 20, 2021

GORE & ASSOCIATES

Lunch Symposium: From Fistula-First to Patient-First: Data-Driven Decision Making in Vascular Access Creation

12:00 P.M. – 1:00 P.M.

Location: Gore Pavilion, Bonnet Creek Ballroom – Salons II & III

GENERAL INFORMATION

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 at the meeting and for further reference in the web-based library, a long-term permanent resource.

In addition, by having numerous short (4.5-7 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 900 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

GENERAL INFORMATION

TARGET AUDIENCE

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

ASSOCIATE FACULTY GLOBAL PODIUM PRESENTATIONS

Wednesday, November 17, 2021

Location: Waldorf Astoria Grand Ballroom B (Lecture Hall 5)

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. Please visit www.veithsymposium.org for additional information about the Associate Faculty Global Podium Presentations component of VEITHsymposium.

COMPONENT SESSIONS WILL BE HELD AS FOLLOWS:

CEREBROVASCULAR

Thursday, November 18, 2021

Location: Lecture Hall 4 (Floridian Ballroom)

HEMODIALYSIS ACCESS

Saturday, November 20, 2021

Location: Lecture Hall 2 (Floridian Ballroom)

ACCREDITATION STATEMENT

The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates this live activity for a maximum of *43 AMA PRA Category 1 CreditsTM*. 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.

ABS MAINTENANCE OF CERTIFICATION

Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to earn credit toward the CME and Self-Assessment requirements of the American Board of Surgery's Continuous Certification program. It is the CME activity provider's responsibility to submit learner completion information to the ACCME for the purpose of granting ABS credit.

CME CERTIFICATES AND COURSE EVALUATION FORMS

CME certificates will be available online at www.veithsymposium.org. An e-mail with a unique password and instructions on how to obtain the certificate and complete a brief, course evaluation will be sent to all registered attendees after the meeting. The e-mail will be sent to the e-mail address that was used to register the attendee. Please note that CME Certificates must be claimed by **February 28, 2022**.

FACULTY DISCLOSURE

The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation

GENERAL INFORMATION

Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

ADA STATEMENT

The Cleveland Clinic Foundation Center for Continuing Education complies with the legal requirements of the Americans with Disability Act. If any participant of the VEITHsymposium requires special assistance, please send written request at least one month prior to the activity to admin@veithsymposium.org.

VIRTUAL TEXTBOOK OF VASCULAR DISEASE MANAGEMENT - VINTAGE NOVEMBER 2021

The entire program with almost all the talks, slides, audio and videos - fully synchronized - and the panels, will be available in a Virtual Textbook of Vascular Disease Management, which can be obtained at a nominal cost. For more information on how to obtain the VEITHsymposium Virtual Textbook, please visit www.veithondemand.com or call (800) 987-9314, ext. 300.

ONLINE ACCESS TO ABSTRACTS

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.

VEITHsymposium NON-CME ACTIVITIES

VENOUS VENOUS VENOUS® WORKSHOP

AT VEITHsymposium - REAL LIFE CHALLENGES

Wednesday, November 17, 2021

1:00 P.M. - 6:00 P.M.

Location: Waldorf Astoria Golf Pavilion

The focus of the workshop is to help with the development of skills to clinically make better decisions when treating patients with venous disease. We will explore real life complex and challenging cases to better understand how to optimally manage venous disease. Case presentations and discussions with experts will be used to explore topics that relate to challenges of the management of superficial venous disease, and both deep acute and deep chronic venous disease.

The VEITHsymposium Venous Workshop will use the following methods to highlight key teaching points in venous disease management:

- Video Case Presentations
- Hands-On experience providing participants a forum to test products and ask questions regarding the products and their uses
- Faculty led discussions on challenging real life situations in the management of venous disease
- Panel discussion to elicit expert contributions on best practices in vein management

Visit www.veithsymposium.org for details.

(This is non-CME activity.)

GENERAL INFORMATION

VEITHsymposium NON-CME ACTIVITIES (CONT'D)



Management of Complex CLTI Scenarios: From Access to Success

Presented by: Miguel Montero-Baker, MD - HENDOLAT
Thursday, November 18, 2021 • 1:00 P.M. - 2:00 P.M.

Location: Floridian Ballroom - Salon H

Hendolat, the leading platform for digital education in Latin America, is joining forces with the VEITHsymposium to put together a futuristic approach to the delivery of medical proctorship. We are exploring novel ways to deliver medical education adapting ourselves to the complexities of the current state of health affairs around the world. We are pleased to deliver a hybrid program consisting of talks, edited live cases, and virtual reality technology.

Fellows' Career Development Program

Friday, November 19, 2021 • 8:00 A.M. - 5:00 P.M.

Location: Waldorf Astoria Grand Ballroom B (Lecture Hall 5)

This is an Interactive Symposium for Vascular Surgery and Interventional Radiology Fellows and Residents preparing to enter the job market! The Program is open to:

- Graduating Fellows & Residents in Vascular Surgery & Interventional Radiology
- Attending Vascular Specialists seeking new opportunity
- Potential Employers of Vascular Specialists
- Wound Care Specialists
- Vascular Career Recruiters and Potential Employers

Complimentary Tuition is provided through an Educational Grant by W.L. Gore & Associates, Inc. for finishing (graduating in June 2022) Vascular Surgery and Interventional Radiology Fellows in the US and Canada. An Educational Grant from Medtronic provides travel and lodging for Finishing Vascular Surgery and Interventional Radiology Fellows and Residents in the US. An interactive reception with potential employers will be held at the end of the program. Please visit www.veithsymposium.org for updates, and to view/print the agenda.

TUESDAY, NOVEMBER 16, 2021

6:00 A.M. General Registration – Bonnet Creek Ballroom - North Foyer

6:00 A.M. Faculty Registration – Bonnet Creek Ballroom - Salon I

6:15 A.M. Continental Breakfast – Bonnet Creek and Floridian Ballrooms -
North, West, Center and South Foyers

PROGRAM A

(Sessions 1-8) 6:45 A.M. – 3:21 P.M.

*PROGRESS IN TRANSCATHETER HEART VALVES AND THORACIC AND
ABDOMINAL AORTIC DISEASE; MANAGEMENT OF PULMONARY EMBOLISM*

LOCATION: LECTURE HALL 1 - BONNET CREEK BALLROOM

6:44 – 6:50 Opening Remarks
 Frank J. Veith, MD

SESSION 1 (LECTURE HALL 1 - Bonnet Creek Ballroom) **PROGRESS IN TRANSCATHETER VALVE REPLACEMENT, AND TREATMENT OF ASCENDING AORTIC DISEASE**

Moderators: Hazim J. Safi, MD
 Christoph A. Nienaber, MD, PhD

TRANSCATHETER HEART VALVES

6:50-6:55 The Future Of TAVR
 Martin B. Leon, MD
 (Power Point Presentation With Synched Audio)

6:56 – 7:01 Update On Current State Of Transcatheter Aortic Valve
Replacement (TAVR): A Cardiac Surgeon's View: What Is
The Role Of Surgery In Aortic Valve Disease Treatment
 Ali B. Khoynezhad, MD, PhD

THE ASCENDING AORTA

7:02 – 7:07 Progress In Endovascular Graft Treatment Of Ascending Aortic
Lesions
 Rodney A. White, MD

7:08– 7:13 Progress In Endovascular Combined Devices For Repairing Lesions Of The Ascending Aorta And The Aortic Valve: The Endo-Bentall Concept

Ali B. Khoynezhad, MD, PhD

7:14 – 7:19 Update On Endovascular Treatment Of Ascending Aortic Lesions: What Is Here And What Is On The Horizon

Rodney A. White, MD

Christoph A. Nienaber, MD, PhD

7:20 – 7:25 Endovascular Treatment Of Type A Aortic Dissections (TAADs): What Is Here And What Is Coming

Ali Azizzadeh, MD

Panel Discussion Will Be Combined With Session 2 at 7:56 A.M.

SESSION 2 (LECTURE HALL 1 - Bonnet Creek Ballroom)
PROGRESS IN THE TREATMENT OF AORTIC ARCH LESIONS AND AORTIC DISSECTIONS

Moderators: Alan B. Lumsden, MD
Anthony L. Estrera, MD

7:26 – 7:31 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

Ourania Preventza, MD

Joseph S. Coselli, MD

7:32 – 7:37 Current Status Of Complete Hybrid Arch Repair With Elephant Trunk And FET: What does the Future Hold

Anthony L. Estrera, MD

7:38 – 7:43 Endovascular Arch Repair With Cook 2- Or 3-Branched Device For Lesions Involving The Entire Aortic Arch: Indications, Contraindications And Results

Stephan Haulon, MD

(Power Point Presentation With Synched Audio)

- 7:44 – 7:49 Update On Relay Branch For Arch Lesion Endovascular Repairs: Advantages, Limitations And Results
Vicente Riambau, MD, PhD
Ciro Ferrer, MD
Martin Czerny, MD
(Power Point Presentation With Synched Audio)
- 7:50 – 7:55 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
(Power Point Presentation With Synched Audio)
- 7:56 – 8:08 Combined Panel Discussion (Sessions 1 and 2)
- SESSION 3 (LECTURE HALL 1 - Bonnet Creek Ballroom)**
PROGRESS IN THE ENDOVASCULAR TREATMENT OF AORTIC DISSECTIONS: REPORTING STANDARDS, CLASSIFICATION SYSTEMS, STABILISE, AND MORE
- Moderators:* James H. Black, III, MD
Joseph V. Lombardi, MD
- 8:08 – 8:13 New SVS-STS Aortic Dissection Reporting Standards And Classification System: How Are They Different And Better
Joseph V. Lombardi, MD
- 8:14 – 8:19 Update On 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 Results
Jean-Marc Alsac, MD, PhD
(Power Point Presentation With Synched Audio)
- 8:20 – 8:25 Dual Lumen Interventions To Promote False Lumen Thrombosis In Chronic Aortic Dissections: The FLIRT Procedure: Indications, Technique And Results
Christoph A. Nienaber, MD, PhD

- 8:26 – 8:31 **DEBATE:** Fenestrated And Branched Endovascular Grafts (F/B/EVAR) Are Usually The Best Treatment For Post-Dissection Thoraco-Abdominal Aneurysms (TAAAs)
Gustavo S. Oderich, MD
- 8:32 – 8:37 **DEBATE:** There Will Always Be A Need For Open Repair For Post-Dissection TAAAs: In What Circumstances
Hazim J. Safi, MD
Anthony L. Estrera, MD
- 8:38 – 8:43 Distal Stent-Graft Induced New Re-Entry Tears (SINEs) With TEVAR Treatment Of TBADs: Prevention By Avoiding Oversizing And Ballooning And Using Tapered Endografts
Ludovic Canaud, MD, PhD
- 8:44- 8:49 When Is TEVAR The Best Treatment For Marfan Syndrome And Its Complications
James H. Black, III, MD
- 8:50 - 8:56 Panel Discussion

SESSION 4 (LECTURE HALL 1 - Bonnet Creek Ballroom)
MORE NEW DEVELOPMENTS IN THE TREATMENT OF TBADs, THORACIC AORTIC DISEASE AND THORACOABDOMINAL ANEURYSMS (TAAAs)

Moderators: Hazim J. Safi, MD
Ali B. Khoynezhad, MD, PhD

- 8:56 – 9:01 Long-Term Durability Of Open Repair Of Type I-IV TAAAs Remains Excellent: When Should It Be The First Line Treatment And When Should A Hybrid (Endo + Open) Down-Staging Approach Be Used To Improve Outcomes: How To Do The Latter
Mark Conrad, MD, MMSc
Richard P. Cambria, MD

- 9:02 – 9:07 Lessons Learned From The STABLE I And II Trials: What Are The Advantages And Limitations Of A Distal Bare Stent Combined With A Proximal Covered Stent
 Joseph V. Lombardi, MD
- 9:08 – 9:13 Why Is F/B/EVAR The Best Treatment For Post TBAD TAAAs: Challenges And Results
 Eric L.G. Verhoeven, MD, PhD
- 9:14 – 9:19 Gore TAMBE Endovascular Graft Device For TAAA Repair: How Does It Work: Results To Date, Advantages And Limitations
 Mark A. Farber, MD
- 9:20 - 9:25 How To Predict TAAA Patients Who Should Not Have An Endovascular Repair And How To Minimize Mortality: Age And Mural Thrombus Matter
 Patrick W. Kelly, MD
- 9:26 – 9:31 Improved Aortic Remodeling With TEVAR And A Distal Bare Metal Stent In Acute Complicated TBAD
 Christoph A. Nienaber, MD, PhD
- 9:32 – 9:37 Embolization Strategies To Achieve False Lumen Thrombosis With False Lumen TAAAs After TEVAR For TBADs
 Carlos H. Timaran, MD
- 9:38 – 9:43 High Failure Rate Of Best Medical Treatment For Intramural Hematoma Mandates Increased Use Of TEVAR: Does This Help Outcomes
 Jean M. Panneton, MD
- 9:44 – 9:54 Panel Discussion
- 9:54 – 10:20 Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 5 (LECTURE HALL 1 - Bonnet Creek Ballroom)
NEW DEVELOPMENTS IN ABDOMINAL AORTIC ANEURYSM (AAA)
ETIOLOGY AND TREATMENT, EVAR AND EVAS (ENDOVASCULAR
ANEURYSM SEALING)

Moderators: Tilo Kölbel, MD, PhD
Kenneth Ouriel, MD, MBA

10:20-10:25 Current Pros And Cons Of The Nellix EVAS Endograft For AAA Repair: First Update Of The EVAS2 IDE Trial Of The Modified Improved Nellix Endograft
Jeffrey P. Carpenter, MD

10:26-10:31 Failing EVARs Are An Emerging Epidemic: Etiology And How Best To Avoid And Treat The Problem
Murray L. Shames, MD

10:32-10:37 Diabetes And AAAs: Facts, Clues And Potential Treatment Opportunities
Ronald L. Dalman, MD

10:38-10:43 How Does Metformin Work To Slow AAA Growth At The Cellular Level: Could It Be Effective Treatment For Small AAAs: Is It The Reason For Decreased AAA Incidence In Diabetes
Kak Khee Yeung, MD, PhD

Moderators: Mark A. Adelman, MD
Michel Makaroun, MD

10:44-10:49 How Should AAA Sac Behavior After EVAR Be Used To Assess Treatment Success And Patient Prognosis
Jean-Pierre Becquemin, MD

10:50-10:55 Impact Of AAA Sac Size On EVAR Outcomes Short And Long-Term: Large Size Is Associated With Failure: What To Do About It
Carlos H. Timaran, MD

- 10:56-11:01 Decreased AAA Sac Diameter After EVAR Is Associated With Good Outcomes While Sac Stability Is Not
Andres Schanzer, MD
- 11:02-11:12 Panel Discussion
- Moderators:* Tilo Kölbel, MD, PhD
Michel Makaroun, MD
- 11:13-11:18 Should Saccular AAAs Be Fixed At A Smaller Diameter Than Fusiform AAAs: How Should AAA Diameter Be Measured To Include The Normal Aorta Or Not
Frans L. Moll, MD, PhD
(Power Point Presentation With Synched Audio)
- 11:19-11:24 In Patients Suitable For EVAR Or Open Repair, Adverse Neck Anatomy (Short, Wide, Angulated) Is Associated With Increased Reintervention And Mortality Rates Equally After Open And Endo Repairs: From The DREAM RCT: How Should This Influence Treatment
Jan D. Blankensteijn, MD
- 11:25-11:30 Why AAA Diameter Is Often Not Enough To Make A Decision Regarding Threshold For Repair Or Re-Treatment After EVAR: What Other Parameters Should Enter Into The Decision
S. Rao Vallabhaneni, MD
- 11:31-11:36 Improved AAA Sac Diameter Surveillance After EVAR Using A Home Smart Phone Ultrasound System: Device Description And Why It Will Improve Outcomes
Ian Loftus, MD
Roger M. Greenhalgh, MD
- 11:37-11:42 Key New Developments In Long-Term Evaluation Of EVAR For AAA Treatment
Jason T. Lee, MD

11:43-11:48 Long-Term EVAR Outcomes Have Improved Over Time Whereas Open Repair Outcomes Have Remained Stable: A VQI Propensity Study Explains Differing Results Of RCTs And Shows Late Survival Advantage Of EVAR

Marc L. Schermerhorn, MD

11:49-11:59 Panel Discussion

12:00- 1:00 Lunch Break - Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 6 (LECTURE HALL 1 - Bonnet Creek Ballroom)
MORE ABOUT AAAs, EVAR AND THE PUBLISHED UK NICE AAA GUIDELINES AND THEIR IMPACT ON AAA TREATMENT IN THE UK AND ELSEWHERE

Moderators: Matt M. Thompson, MD
Jon S. Matsumura, MD
Frank J. Veith, MD

1:00 – 1:05 The Scientific Rationale Underlying The AAA NICE Guidelines: A View From A Writing Committee Member
Alun H. Davies, MA, DM, DSc

1:06 – 1:11 Long-Term Results Of The OVER RCT: Pertinence To NICE AAA Guidelines: How Operator Training And Experience Influence \ EVAR Outcomes
Jon S. Matsumura, MD

1:12 – 1:17 Impact Of NICE Guidelines On AAA Practice In The UK: Decreased Use Of EVAR Is NOT Justified By Recent Data Showing That EVAR Has Better 10-Year Survival Than Open Repair
Ian Loftus, MD

1:18 – 1:23 Are The NICE AAA Guidelines The End Of EVAR In The UK: Why The Guidelines Are Wrong And Can They Be Fixed
Richard G.J. Gibbs, FRCS
Michael P. Jenkins, MBBS, BSc, MS

- 1:24 – 1:29 What Is Wrong With The NICE AAA Guidelines: Do They Still Limit The Use Of EVAR As In The Draft Guidelines
Bijan Modarai, PhD
- 1:30 – 1:35 Update On What Has Happened With The NICE Guidelines In The UK And Elsewhere: Where Do They Stand In November 2021
Sherif A.H. Sultan, MD, PhD
- 1:36 – 1:41 Impact Of UK NICE AAA Guidelines On Other Countries Served By The European ESVS Guidelines
Anders Wanhainen, MD, PhD
- 1:42 – 1:47 What Has Been The Impact Of The UK NICE AAA Guidelines In Germany And Elsewhere – Despite Their Flaws
Dittmar Böckler, MD
- 1:47 – 1:52 Panel Discussion

SESSION 7 (LECTURE HALL 1 - Bonnet Creek Ballroom)
MORE NEW DEVELOPMENTS IN THE TREATMENT OF AORTIC DISSECTIONS AND THORACIC PATHOLOGY; STROKE PREVENTION WITH TEVAR

Moderators: Mark A. Farber, MD
Thomas C. Bower, MD

- 1:52 – 1:57 Update On Stroke Reduction Strategies With TEVAR: How To Decrease Particulate And Gas Emboli: What Is The STEP 2 Study Telling Us
Tilo Kölbel, MD, PhD
Stephan Haulon, MD
- 1:58 – 2:03 Advances In Stroke Prevention From TEVAR: How To Decrease Gas And Particulate Emboli: When Should These Methods Be Used
Richard G.J. Gibbs, FRCS

2:04 – 2:09 Update On Value Of Embolic Brain Protection Devices For Proximal TEVAR And TAVR Procedures: When Are They Mandatory
Jeffrey P. Carpenter, MD

2:10 – 2:15 Material Properties Of The Aortic Arch Can Predict Bird Beaking And Type 1A Endoleaks With TEVAR: Will Conformable Endografts With Proximal Adjustable Angle Control Eliminate The Problem
Thomas L. Forbes, MD

2:16 – 2:22 Panel Discussion

SESSION 8 (LECTURE HALL 1 - Bonnet Creek Ballroom)
**MORE NEW DEVELOPMENTS REGARDING TBADs AND TEVAR:
NATURAL HISTORY; NEED FOR AND TIMING OF TEVAR FOR ACUTE
UNCOMPLICATED TBADs**

Moderators: William D. Jordan Jr., MD
Thomas L. Forbes, MD

2:22 – 2:28 Long-Term Outcomes Of Medically Managed Acute TBADs: How Were Patients Selected For This Treatment
Thomas C. Bower, MD

MEGA DEBATE ON TREATMENT OF ACUTE UNCOMPLICATED TBADs

2:29 – 2:34 **DEBATE:** Many Uncomplicated Acute TBADs Never Need Invasive Interventions And Are Better Treated Medically; How To Select Such Patients
Rachel E. Clough, MD, PhD
(Power Point Presentation With Synched Audio)

2:35 – 2:40 **DEBATE:** With Uncomplicated Acute TBADs, The Case For Waiting 2-6 Weeks From Onset And Then Limiting Aortic Coverage With TEVAR
Mark A. Farber, MD

- 2:41 – 2:46 **DEBATE:** With Uncomplicated TBADs, The Case For Early TEVAR With Extensive Aortic Coverage In Most Patients
William D. Jordan Jr., MD
Brad Leshnower, MD
- 2:47 – 2:52 **DEBATE:** Early Intervention For Acute TBADs (7-30 Days After Onset) With TEVAR For Acute TBADs Prevents Abdominal Extension Of False Lumen And TAAA Formation
Rodney A. White, MD
- 2:53 – 2:58 Ideal Timing And Patient Selection Of TEVAR In Acute Uncomplicated TBAD Patients: When Is Medical Treatment Indicated
Ali Azizzadeh, MD
- 2:59 – 3:03 [SS] Impact Of Cocaine Abuse On The Course Of Acute TBADs And Their Treatment: What Is The Mechanism
Frank R. Arko, MD
- 3:03 – 3:08 Techniques For And Advantages Of Rerouting A Misplaced TEVAR Which Is Leading To A Growing False Lumen And Malperfusion In Acute TBAD Patients
David M. Williams, MD
- 3:09 – 3:14 Re-Entry Specific Endovascular Therapy (RESET), i.e., TEVAR Plus Dealing With Re-Entry Tears Improves Outcomes: How To Do It
Jean M. Panneton, MD
- 3:15 – 3:21 Panel Discussion

SESSIONS 9-10

MANAGEMENT OF PULMONARY EMBOLISM: THE ULTIMATE TEAM APPROACH

Course Leader: Michael R. Jaff, DO

SESSION 9 (LECTURE HALL 1 – Bonnet Creek Ballroom)
MANAGEMENT OF PULMONARY EMBOLISM: THE ULTIMATE APPROACH – PART 1

Moderator: Michael R. Jaff, DO

3:22 – 3:25 Introduction To The Symposium
Frank J. Veith, MD

3:25 – 3:29 Welcome And Introduction
Michael R. Jaff, DO

3:29 – 3:36 The Easy And Hard Parts About Running A PERT Program:
Lessons Learned
Ziv J. Haskal, MD

3:36 – 3:46 The Basics Of Pulmonary Embolism: What Is The Role Of The
History, Exam, Biomarkers
Raghu Kolluri, MD

3:46 – 3:54 Do We Need An Echo To Manage Acute Submassive PE
David M. Dudzinski, MD

3:54 – 4:01 Advanced Imaging For PE: What Is The Optimal Strategy For The
Diagnosis Of Acute And Chronic PE
Brian B. Ghoshhajra, MD, MBA

4:01 – 4:11 Medical Treatment Of PE: When, Why, For How Long, And How
Can I Remember
Ido Weinberg, MD, MD, MSc

4:11 – 4:19 Testing For Cancer And Other Hypercoagulable States In PE
Rachel Rosovsky, MD, MPH

4:19 – 4:26 The First Opportunity – The Emergency Physician Algorithm For
Acute PE Management
D. Mark Courtney, MD

- 4:26 – 4:33 Ultrasound-Assisted Pharmacomechanical Thrombectomy: Does This Really Work
 Kush R. Desai, MD
- 4:33 – 4:40 Mechanical Thrombectomy: The Indigo System
 Robert A. Lookstein, MD, MHCDL
- 4:40 – 4:50 What Strategy Is Best For Acute PE Intervention
 Patrick Troy, MD
- 4:50 – 4:57 Step-By-Step Technical Tips For Pharmacomechanical Intervention For PE
 Gary M. Ansel, MD
- 4:57 – 5:04 Percutaneous Mechanical Thrombectomy: The Flowtriever System: Where Does This Fit
 Mitchell D. Weinberg, MD

SESSION 10 (LECTURE HALL 1 – Bonnet Creek Ballroom)
MANAGEMENT OF PULMONARY EMBOLISM: THE ULTIMATE APPROACH – PART 2

Moderator: Michael R. Jaff, DO

- 5:04 – 5:11 Low-Dose Systemic Lytics: Is This An Effective Strategy For Acute PE Treatment
 Mohsen Sharifi, MD
- 5:11 – 5:18 Vortex Strategy For Massive PE
 Christopher J. Kwolek, MD, MBA
- 5:18 – 5:26 ECMO And Surgical Thromboembolectomy For Massive PE: When, How, And Why
 Mark G. Davies, MD
- 5:26 – 5:36 Putting It All Together: What Is The Modern Algorithm For Management Of Massive And Submassive PE
 Ido Weinberg, MD, MSc

- 5:36 – 5:43 Vena Cava Filters In PE Treatment: Do We Need To Do This, And If So, When
Kush R. Desai, MD
- 5:43 – 5:50 Balloon Angioplasty For Chronic Thromboembolic Pulmonary Hypertension: Has This Become Mainstream
Kenneth Rosenfield, MD
- 5:50 – 5:58 The Team Approach To PE Management: The National PERT Consortium
William B. Keeling, MD
- 5:58 - 6:15 Challenging Cases And “PERT” Decisions
Moderator: Michael R. Jaff, DO
Panelists: Mark G. Davies, MD
Kush R. Desai, MD
Ziv J. Haskal, MD
William B. Keeling, MD
Christopher J. Kwolek, MD, MBA
Kenneth Rosenfield, MD
Mohsen Sharifi, DO
Ido Weinberg, MD

End Of Program A

PROGRAM B

(Sessions 11-22) 6:50 A.M. – 6:10 P.M.

Progress In Vascular Robotics, Guidance Systems, Simulation And Laparoscopy; New Developments In Carotid Disease And Acute Stroke Treatment; Abdominal Aortic Branch Treatment; Hot New Topics In Lower Extremity Occlusive Disease Treatment; New Technology, New Concepts And Artificial Intelligence (AI); Vascular Surgery Recognition, Identity And Independence; Updates On Open And Hybrid Vascular Surgery And Treatment Of Aortic Coarctation; Updates On Vascular Malformations And Their Treatment

Location: LECTURE HALL 2 - FLORIDIAN BALLROOM

6:44 – 6:49 Opening Remarks
 Enrico Ascher, MD

SESSION 11 (LECTURE HALL 2 - Floridian Ballroom)

PROGRESS IN VASCULAR ROBOTICS, GUIDANCE SYSTEMS, LAPAROSCOPY AND SIMULATION

Moderators: Willem Wisselink, MD
 Sean P. Lyden, MD

6:50 – 6:55 Update On Endovascular Robotics: They Have A Promising Future
 Joseph J. Ricotta II, MD, MS

6:56 – 7:01 Robotic Decompression Of The Median Arcuate Ligament
 Michael J. Singh, MD

7:02 – 7:07 Laparoscopic Assisted Aortofemoral Bypasses For Juxtarenal Aortic
Occlusions: Why It Is The Best Treatment Method
 Joseph S. Giglia, MD

7:08 – 7:13 Laparoscopic Robotic Assisted Aortic Surgery: Is It Worthwhile
And Cost Effective In The Endovascular Era: Based On A 7-Year
Experience In 87 Patients
 Pierre-Olivier Thiney, MD

7:14 – 7:19 Present Status And Future Potential Of Radiation Free Guidewire And Catheter Guidance: The Fiber Optic RealShape (FORS) From Philips: What Are Microbots And How Do They Work
Barry T. Katzen, MD

7:20 – 7:25 Update On The 3D Radiation Free Intraoperative Positioning System (IOPS) From Centerline For Endovascular Guidance: How Does It Work, Advantages And Limitations
Matthew J. Eagleton, MD

7:26 – 7:32 Panel Discussion

SESSION 12 (LECTURE HALL 2 - Floridian Ballroom)

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
Allan L. Brook, MD
Frank J. Veith, MD

7:32 – 7:37 Variations In Carotid Treatment Within Countries And Between Countries In Europe, The US And Australia Is Great Despite All The RCTs: What Are The Implications
Maarit Venermo, MD, PhD

7:38 – 7:43 What Vascular Surgeons And Vascular Specialists Need To Know About What Can Be Learned From MRI And MRA Studies Of The Head And Neck
Allan L. Brook, MD

7:44 – 7:49 Update On Isolated Carotid Webs As A Cause Of Cryptogenic Stroke: How To Diagnose And Treat
Clayton J. Brinster, MD
W. Charles Sternbergh III, MD

DIFFERING VIEWS ON TREATMENT OF ACS

- 7:50 – 7:55 **DEBATE:** ALL Asymptomatic Carotid Stenosis (ACS) Patients Are Best Treated Medically: Invasive Treatment Causes More Harm Than Good
Anne L. Abbott, MD, PhD
(Power Point Presentation With Synched Audio)
- 7:56 – 8:01 **DEBATE:** Not So: About 25% Of ACS Patients Can Benefit From CEA Or CAS And Should Be So Treated
Bruce A. Perler, MD
- 8:02 – 8:07 **DEBATE:** Both Views Are Wrong: About 5-10% Of ACS Patients Should Be Treated Invasively And Benefit From Such Treatment: Why Are Too Many ACS Patients Getting CEA Or CAS
Kosmas I. Paraskevas, MD

DIFFERING VIEWS ON CAROTID SCREENING

- 8:08 – 8:13 **DEBATE:** The Case For Widespread Carotid Screening
George S. Lavenson, MD
- 8:14 – 8:19 **DEBATE:** The Case Against Carotid Screening: It Leads To Unneeded And Possibly Harmful Treatment
Anne L. Abbott, MD, PhD
(Power Point Presentation With Synched Audio)
- 8:20 – 8:25 **DEBATE:** Lifeline Proprietary Carotid Screening: Who Profits: Is It A Good Thing Or A Hoax And A Scam: What Can It Tell Us About The Prevalence Of ACS
James F. Meschia, MD
Thomas G. Brott, MD
- 8:26 – 8:32 Panel Discussion

SESSION 13 (LECTURE HALL 2 - Floridian Ballroom)

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

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

8:32 – 8:37 Endovascular Treatment Of Carotid Artery Aneurysms Of Etiologies: Technical Aspects
Klaus D. Mathias, MD

8:38 – 8:43 When After Thrombolysis Treatment From A Stroke Should Carotid Endarterectomy (CEA) Be Performed And What Is The Best Timing For Those CEAs: Delay Has Consequences
Maarit Venermo, MD, PhD

8:44 – 8:49 Why Vascular Surgeons Should Become Involved In Intracranial Endovascular Treatments For Acute Strokes: How To Learn These Procedures And Benefit Patients
Laura Capoccia, MD

8:50 – 8:55 What Is New With Endovascular Intracranial Techniques For Arterial Clot Removal For Acute Strokes: New Methods; When And How Can The Time Window For Success Be Increased
Adnan H. Siddiqui, MD, PhD
L. Nelson Hopkins, MD

8:56 – 9:01 Update And New Developments In Intracranial Endovascular Treatment For Acute Strokes: Should Other Specialists Learn How To Do It And The Ways To Learn
Adnan H. Siddiqui, MD, PhD
L. Nelson Hopkins, MD

9:02 – 9:07 Improvements In The Treatment Of Acute Strokes: Why A Dedicated Stroke Center Matters: What And Who Must Be Involved: Yes, It Does Matter In Better Patient Outcomes
Hernan A. Bazan, MD

9:08 – 9:14 Panel Discussion

9:14 – 9:24 Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 14 (LECTURE HALL 2 - Floridian Ballroom)
PROGRESS IN THE TREATMENT OF AORTIC AND AORTO-ILIAC OCCLUSIVE DISEASE

Moderators: Keith D. Calligaro, MD
Daniel G. Clair, MD
Wayne W. Zhang, MD

9:24 – 9:29 Current Concepts And Techniques For Treating External Iliac Artery Endofibrosis In Committed Athletes: What Works And Doesn't Work: Is There A Role For Endovascular Treatment
Kenneth J. Cherry, MD

9:30 – 9:35 Iliac Stenosis In Professional Cyclists: How To Diagnose And Treat: ABIs Don't Help
Gabriel Szendro, MD
(Power Point Presentation With Synched Audio)

9:36 – 9:41 Value Of VBX Balloon Expandable Covered Stents In Treating Complex Aorto-Iliac Occlusive Disease: Advantages And Limitations
Ehrin Armstrong, MD
(Power Point Presentation With Synched Audio)

COVERED ENDOVASCULAR RECONSTRUCTION OF THE AORTIC BIFURCATION (CERAB)PROCEDURE

9:42 – 9:47 5-Year Outcomes Of The CERAB Procedure With Covered Stents For Complex Aorto-Iliac Occlusive Disease: Why It's Better Than Kissing Stents And Which Covered Stent Works Best
Michel M.P. Reijnen, MD, PhD
Peter C.J. Goverde, MD, PhD

- 9:48 – 9:53 CERAB Procedure Versus Kissing Stents For Complex Aorto-Iliac Occlusive Diseases: Advantages And Disadvantages Of Each: CERAB Requires More Time And Radiation
Maria Antonella Ruffino, MD
- 9:54 – 9:59 Covered Endovascular Reconstruction Of The Aortic Bifurcation (CERAB) Technique: Multicentre UK Experience
Hany Zayed, MD
- 10:00-10:05 Value Of Shockwave Intravascular Lithotripsy For Calcified Aorto-Iliac Occlusive Disease Treatment
Andrew Holden, MBChB
(Power Point Presentation With Synched Audio)
- 10:06-10:12 Panel Discussion
- 10:12-10:17 Treatment Of Isolated Aortic Stenosis Without Iliac Disease: When Stents; When Stent-Grafts; When Open Bypass
Sigrid Nikol, MD
- 10:18-10:23 **DEBATE:** How To Treat Chronic Flush Juxtarenal Aortic Occlusions Endovascularly With Safety: Endo Is The Way To Go
David Minion, MD
- 10:24-10:29 **DEBATE:** Not So: Open Surgery Is the Best Way To Treat Flush Juxtarenal Aortic Occlusions Safely: Technical Tips On How To Do It
Thomas C. Bower, MD
- 10:30-10:35 **DEBATE:** Both Wrong: Hybrid Repairs Are Best For Complex Aorto-Iliac Occlusive Disease: Technical Tips On How To Do It
Yamume Tshomba, MD
- 10:36-10:42 Panel Discussion

SESSION 15 (LECTURE HALL 2 - Floridian Ballroom)

HOT NEW SHORT SUMMARY TOPICS RELATED TO LOWER EXTREMITY OCCLUSIVE DISEASE

Moderators: Neal S. Cayne, MD
Palma M. Shaw, MD

- 10:42-10:47 Key Steps For Success With Radial Artery Access For Remote Visceral, Renal Or Lower Extremity Lesion Treatment
Marcelo Guimaraes, MD, MBA
- 10:48-10:53 **DEBATE:** CO2 As A Contrast Agent Is Valuable For Lower Extremity Angiography And Treatments If Used Appropriately
Palma M. Shaw, MD
- 10:54-10:59 **DEBATE:** Not So: CO2 As A Lower Extremity Contrast Agent Is Unnecessary And Has Downsides
Ali Amin, MD, RVT
- 11:00-11:05 Value Of Tack Optimized Balloon Angioplasty In Lower Extremity Interventions: When Should They Be Used And When Not (Tacks From Intact Vascular)
Lawrence A. Garcia, MD
- 11:06-11:11 Heel Ulceration And Ischemic Gangrene Involving The Achilles Tendon Should Not Be An Indication For A BTK Amputation: How To Save Such A Limb
Mark G. Davies, MD
- 11:12-11:17 Popliteal Artery-To-Distal Bypass For Limb Salvage; Status In 2021: Technical Tips And Value: When Is It Better Than Endovascular Treatments
Francesco Spinelli, MD
- 11:18-11:24 Panel Discussion

SESSION 16 (LECTURE HALL 2 – Floridian Ballroom)

MORE HOT NEW SHORT SUMMARY TOPICS RELATED TO LOWER EXTREMITY OCCLUSIVE DISEASE AND CHRONIC LIMB THREATENING ISCHEMIA (CLTI) (4 3/4-MINUTE TALKS)

Moderators: Enrico Ascher, MD
Peter A. Schneider, MD

- 11:24-11:29 Value Of External Duplex Ultrasound And Other Technical Factors In Optimizing BTK DCB Angioplasty
Francesco Liistro, MD
- 11:29-11:34 How To Size Lower Extremity Target Arteries For Endo Treatments Accurately Using Intravascular Ultrasound (IVUS): Why It Is Important
Jos C. van den Berg, MD, PhD
- 11:34-11:39 Patterns Of Calcification In BTK Arteries: How They Influence Endovascular Treatments
Jihad A. Mustapha, MD
- 11:39-11:44 How To Do Bypass Surgery To Heavily Non-Compressible Calcified Target Arteries
Enrico Ascher, MD
Frank J. Veith, MD
- 11:44-11:49 Challenge Of Getting Endovascular Revascularization To Achieve Healing Of Ischemic Wounds: Value Of A Wound Center In A Limb Salvage Program
Robert B. McLafferty, MD, MBA
- 11:49-11:54 Lower Extremity Interventions (PTA, Stents, Atherectomy) Under IVUS Guidance: Its Costs, Value And Limitations
Ignacio Escotto, MD
(Power Point Presentation With Synched Audio)
- 11:54-12:00 Panel Discussion

12:00- 1:00 Lunch Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 17 (LECTURE HALL 2 - Floridian Ballroom)

NEW CONCEPTS, MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE (AI)

Moderators: Barry T. Katzen, MD
Gustavo S. Oderich, MD
Frank J. Veith, MD

1:00 – 1:05 What Is The Bright Future Of AI And Robotic Technology In Vascular Surgery
Willem Wisselink, MD

1:06 – 1:11 Unconventional Renal Allograft Landing Sites (Venous Anastomoses) In The Presence Of Near Total Caval Thrombosis
Robert A. Montgomery, MD, DPhil

1:12 – 1:17 How Vascular Treatment Will Intersect With Other New Technologies: Wearable Trackers, AI, And Tissue Engineering
David H. Deaton, MD

1:18 – 1:23 How 3D And 4D Machine Learning Is Changing Vascular Surgery
Matthew T. Menard, MD

1:24 – 1:29 How Can AI Be Used To Predict Endoleaks And AAA Growth: Will It Have Clinical Value
Kak Khee Yeung, MD, PhD

1:30 – 1:35 Siemens I-Flow: A New Intelligent Technology To Improve The Endo Treatment Of Lower Extremity Occlusive Disease
Ravi K. Veeraswamy, MD

1:36 – 1:41 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

1:42 – 1:54 Panel Discussion

SESSION 18 (LECTURE HALL 2 - Floridian Ballroom)

VASCULAR SURGERY'S NUMBERS, IDENTITY, RECOGNITION, INDEPENDENT SPECIALTY STATUS; HOW TO INCREASE OUR NUMBERS TO MEET FUTURE NEEDS FOR OUR SERVICES

Moderators: Bruce A. Perler, MD, MBA
Ronald L. Dalman, MD

1:54 – 1:59 Updated Workforce Model Predicts A Shortage Of Vascular Surgeons For The Next 20 Years: What Should Vascular Surgery And The American Board of Surgery (ABS) Do About It
Bhagwan Satiani, MD, MBA
K. Craig Kent, MD

2:00 – 2:05 What Makes Vascular Surgery Different, Why Are There Insufficient Numbers Of Vascular Surgeons: How Can We Expand Our Numbers
Evan C. Lipsitz, MD, MBA

2:06 – 2:11 The Clouded Identity Of Vascular Surgery Amongst Other Doctors And The Public: Why Is It So And What Can Be Done About It
James C. Stanley, MD
Frank J. Veith, MD

2:12 – 2:17 Why US News & World Report Cannot And Does Not Rank Vascular Surgery Programs: Vascular Surgery Needs To Be An Independent ABMS Approved Specialty: Why Isn't It
James H. Black, III, MD

- 2:18 – 2:23 The American Board Of Vascular Surgery Or ABVS: Its Time Is Now
 Alan M. Dietzek, MD, RPVI
- 2:24 – 2:29 The SVS Executive Committee: What Is Its Function And How Has It Not Promoted Vascular Surgery And Thereby Failed To Serve Its Membership's Interests
 Benjamin W. Starnes, MD
- 2:30 – 2:35 What Will Happen If Vascular Surgery Does Not Become A Separate Specialty: How Have Our Vascular Societies Failed Vascular Surgeons
 David H. Deaton, MD
- 2:36 – 2:41 Why Vascular Surgery Must Be An Independent Specialty: It Needs Independent Departments So As To Not Be Exploited By Other Department Chairs
 Patrick J. Geraghty, MD
- 2:42 – 2:47 The Key To More Vascular Surgeons Is Better Exposure To Medical Students: We Are A Hidden Specialty Because Of Our Subordinate Specialty Status Which Also Limits Our Training Programs
 Jerry Goldstone, MD
- 2:48 – 2:53 Vascular Surgery Training Program's Update For 0+5 And 5+2 Programs: Do We Need More Applicants Or More Programs Or Both: How Can We Get There
 Murray L. Shames, MD
- 2:54 – 2:59 Is Getting A Vascular Surgery Training Position Becoming Less Competitive For 0+5 Residencies; For 5+2 Fellowships
 Peter L. Faries, MD
- 3:00 – 3:05 Leadership Roles Vascular Surgeons And Vascular Specialists Should Seek: Why They Are Important And How To Get There Without Abandoning Your Original Specialty
 Christopher J. Kwolek, MD, MBA

3:06 – 3:18 Panel Discussion And Break
Visit Exhibits And Pavilions (North, West, Center and South
Foyers)

SESSION 19 (LECTURE HALL 2 - Floridian Ballroom)
**PROGRESS IN THE TREATMENT OF VISCERAL AND RENAL ARTERY
DISEASE**

Moderators: James C. Stanley, MD
Alan M. Dietzek, MD, RPVI

3:18 – 3:23 **DEBATE:** All Visceral And Renal Artery Aneurysms Can Be
Treated Endovascularly
Robert A. Lookstein, MD, MHCDL

3:24 – 3:29 **DEBATE:** Open Treatment Of Visceral And Renal Artery
Aneurysms Is Sometimes Best: When Is This
Timur P. Sarac, MD

3:30 – 3:35 Technical Tips For Percutaneous Endovascular Treatment Of
Visceral And Renal Artery Aneurysms
Jacob Cynamon, MD

3:36 – 3:41 Update On New SVS Practice Guidelines For Treating Visceral
Artery Aneurysms; When Endo; When Open
Rabih A. Chaer, MD

3:42 – 3:47 Current Optimal Treatment Of Pancreatico-Duodenal Aneurysms
With And Without Celiac Axis Occlusion: When Endo; When
Open: Why They Are Both Challenging
Benjamin M. Jackson, MD
Ronald M. Fairman, MD

3:48 – 3:53 At What Size Do Renal Artery Aneurysms Need To Be Treated
Invasively: A New Vascular Consortium Study Shows They Are
Only Dangerous When >3 cm In Diameter
Peter F. Lawrence, MD

3:54 – 3:59 Optimal Current Treatment Of Renal Artery Aneurysms: When Endo; When Open; Technical Tips
Fred A. Weaver, MD, MMM

4:00 – 4:06 Panel Discussion

SESSION 20 (LECTURE HALL 2 - Floridian Ballroom)
**UPDATE ON OPEN VASCULAR SURGICAL AND HYBRID PROCEDURES;
PROGRESS IN THE TREATMENT OF AORTIC COARCTATIONS**

Moderators: Enrico Ascher, MD
Jerry Goldstone, MD

OPEN AND HYBRID VASCULAR SURGERY

4:06 – 4:11 Minimal Incision For Retroperitoneal Aorto-Bifemoral Bypass:
Technical Tips And Limitations
Robert M. Proczka, MD, PhD

4:12 – 4:17 Duplex Surveillance Should Be Used After All Aorto-Bifemoral
Bypasses: It Improves Outcomes
Keith D. Calligaro, MD

4:18 – 4:23 Thoraco-Bifemoral Bypass: A Good Option After All Endo And
Open Standard Approaches Have Failed: Technical Tips
Manju Kalra, MBBS

4:24 – 4:29 Long-Term Survival Results After Type II TAAA Endovascular
Repair: When Is The Procedure Contraindicated
Matthew J. Eagleton, MD

4:30 – 4:35 Technical Tips For Aortic And Inferior Vena Cava Resections
During Cancer Operations
Benjamin M. Jackson, MD

UPDATE ON COARCTATION TREATMENT

- 4:36 – 4:41 Endovascular Techniques Are The Best Treatment For Aortic Coarctations: When Bare Stents; When Covered Stents; Precautions
Zvonimir Krajcer, MD
- 4:42 – 4:47 Value Of BeGraft (From Bentley), A Balloon Expandable Covered Stent In Treating Aortic Coarctations: Can It Treat All Cases
Elchanan Bruckheimer, MBBS
(Power Point Presentation With Synched Audio)
- 4:48 – 4:53 Long-Term Outcomes Of Stent-Graft Treatment Of Aortic Coarctations
Frank R. Arko, MD
- 4:54 – 5:00 Panel Discussion

SESSIONS 21-22

CURRENT STRATEGIES IN THE DIAGNOSIS AND CURATIVE TREATMENT OF VASCULAR MALFORMATIONS

SESSION 21 (LECTURE HALL 2 – Floridian Ballroom)

ETHANOL ENDOVASCULAR CURATIVE TREATMENT OF VASCULAR MALFORMATIONS – PART 1

Moderators: Krassi Ivancev, MD, PhD
Robert L. Vogelzang, MD
Wayne F. Yakes, MD

- 5:00 – 5:02 Welcome And Introduction
Krassi Ivancev, MD, PhD
- 5:03 – 5:08 International Society for the Study of Vascular Anomalies (ISSVA) Classification System: How It Is Applied In My Practice
Wayne F. Yakes, MD

- 5:09 – 5:17 The Yakes AVM Classification System: A Guide For Curative AVM Treatment As Documented In 100 Consecutive AVM Patients
 Krassi Ivancev, MD, PhD
- 5:18 – 5:26 A Step-By-Step Practicum For Ethanol Endovascular Treatment Of AVMs Applying The Yakes Classification System
 Robert L. Vogelzang, MD
- 5:27 – 5:34 A Step-By-Step Practicum For Ethanol Endovascular Treatment Of Venous Malformations
 Krassi Ivancev, MD, PhD
- 5:35 – 5:40 Panel Discussion

SESSION 22 (LECTURE HALL 2 – Floridian Ballroom)

ETHANOL ENDOVASCULAR CURATIVE TREATMENT OF VASCULAR MALFORMATIONS – PART 2

Moderators: *Krassi Ivancev, MD, PhD*
 Robert L. Vogelzang, MD
 Wayne F. Yakes, MD

- 5:41 – 5:48 Curative Ethanol Endovascular Treatment of Complex Head & Neck AVMs
 Wayne F. Yakes, MD
- 5:49 – 5:55 New Agents And Drugs For Vascular Malformation Management: Do They Offer Any Hope
 Robert L. Vogelzang, MD
- 5:56 – 6:03 Endovascular Ethanol Treatment Of Complex Low-Flow Venous And Lymphatic Malformations
 Wayne F. Yakes, MD
- 6:04 – 6:10 Problems! I've Got 'Em---Managing The Tough Vascular Malformation Case
 Robert L. Vogelzang, MD

End of Program B

WEDNESDAY, NOVEMBER 17, 2021

6:00 A.M. General Registration – Bonnet Creek Ballroom - North Foyer

6:00 A.M. Faculty Registration – Bonnet Creek Ballroom - Salon I

6:15 A.M. Continental Breakfast – Bonnet Creek and Floridian Ballrooms - North, West, Center and South Foyers

PROGRAM C

(Sessions 23-30) 6:40 A.M. – 3:56 P.M.

Progress In Lower Extremity Occlusive Disease And Its Treatment; New Developments In Medical Treatments And New Drugs; Progress In Antiatherogenic, Antihypertensive And Cardiac Treatments: Cardiac Effects Of COVID-19

Location: LECTURE HALL 1 - BONNET CREEK BALLROOM

SESSION 23 (LECTURE HALL 1 - Bonnet Creek Ballroom)

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

Moderators: Enrico Ascher, MD
Gary M. Ansel, MD

6:40 – 6:45 Do Diabetic Patients With CLTI And Substantial Foot Necrosis Have Time For An Endovascular First Strategy: Why Primary Open Bypass Treatment Is Better
Katariina M. Noronen, MD, PhD

6:46 – 6:51 Key New Developments In Endovascular Treatments For CLTI
Sahil A. Parikh, MD

OPTIMAL TECHNIQUES FOR VESSEL PREP FOR ENDOVASCULAR TREATMENTS

6:52 – 6:57 Technical Tips For Vessel Prep Before DCBs And DESs: It Is Different And Not Simple
Erwin Blessing, MD

6:58 – 7:03 Thirteen Technical Tips For Safe Radial Access For Renal/Visceral
And Lower Extremity Interventions: How Far Distally In The Leg
Can Lesions Be Treated
 Craig M. Walker, MD

7:04 – 7:09 What Are The Downsides To Trans-Radial Or Pedal Access
 Gary M. Ansel, MD

TECHNICAL TIPS ON GUIDEWIRE CHOICE AND USAGE

7:10 – 7:15 Tips For Treating Difficult BTK/BTA Lesions: How To Get A
Guidewire Across A Long Calcified Occlusion And Getting A
Resistant Balloon To Go Over The Wire
 Marco G. Manzi, MD

7:16 – 7:22 Panel Discussion

SESSION 24 (LECTURE HALL 1 - Bonnet Creek Ballroom) NEW DEVELOPMENTS IN ATHERECTOMY, STENTS (UNCOATED, COATED AND BIORESORBABLE)

Moderators: Craig M. Walker, MD
 James F. McKinsey, MD

PROGRESS IN ATHERECTOMY

7:22 – 7:27 New Developments In Laser Atherectomy: What Makes It
Different: When Is It Beneficial With Certainty
 George L. Adams, MD

7:28 – 7:33 Value Of Phoenix Atherectomy And Stellarex DCB For
Infrapopliteal Lesions: Why IVUS Guidance Is Beneficial: 1-Year
Results In CLTI Patients
 Michael K.W. Lichtenberg, MD
 Thomas Zeller, MD

7:34 – 7:39 Optical Coherence Tomography (OCT) Guided Atherectomy
(Pantheris) For In Stent Restenosis (ISR): Why It Is More Effective
Treatment: From The INSIGHT Trial
 Todd R. Vogel, MD, MPH

7:40 – 7:45 Current Role Of Atherectomy In Treating Lower Extremity CLTI:
A Vascular Surgeon's View
 James F. McKinsey, MD

UPDATE ON THE SUPERA STENT

7:46 – 7:51 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
 (Power Point Presentation With Synched Audio)

7:52 – 7:57 Value And Technical Tips To Make The Supera Stent Work In
Curved And Angulated Non-SFA Lesion Locations
 Rajiv Parakh, MBBS, MS

DRUG ELUTING STENTS FOR BTK LESIONS

7:58 – 8:03 10-Year Experience With Everolimus DESs To Treat Long
Infrapopliteal Lesions Causing CLTI: Indications, Results, Value
And Limitations
 Robert A. Lookstein, MD, MHCDL

8:04 – 8:09 What Is The Future For Bioresorbable DESs To Treat BTK Lesions:
Good Long-Term Results Including The DISAPPEAR Trial Justify
A New Trial: The LIFE-BTK Trial With The Esprit Stent From
Abbott
 Ramon L. Varcoe, MBBS, MS, PhD
 Sahil A. Parikh, MD
 Brian G. DeRubertis, MD
 Steven Kum, MD

8:10 – 8:15 A 3-French Compatible Microstent (From Micro Medical) For Antegrade Or Retrograde Insertion To Treat Tibial Artery Lesions: The STAND Trial
Robert E. Beasley, MD

8:16 – 8:22 Panel Discussion

SESSION 25 (LECTURE HALL 1 - Bonnet Creek Ballroom)

LOWER EXTREMITY TOPICS RELATED TO THE DRUG COATED DEVICES CAUSING INCREASED MORTALITY CONTROVERSY: DO PACLITAXEL COATED DEVICES CAUSE INCREASED MORTALITY

(5 AND 4 ¾-MINUTE SHORT SUMMARY [SS] TALKS)

Moderators: Kenneth Ouriel, MD, MBA
Sahil A. Parikh, MD

8:22 – 8:27 Older And More Recent Meta-Analyses Reveal An Increased Mortality Signal In Patients Receiving Paclitaxel Coated Devices Compared To Uncoated Devices: A More Recent Study Reveals Increased Amputation Rates With Paclitaxel Coated Devices: What About Mortality
Konstantinos Katsanos, MSc, MD, PhD

8:28 – 8:33 Large Population Based German Multicenter Study Of Paclitaxel Coated BTK DCBs And DESs Indicates Decreased Mortality And Amputation Rates Compared To Uncoated Devices: Initial Thoughts About Katsanos' Recent Amputation Data
Christian A. Behrendt, MD

8:34 – 8:39 Real World Big Data Patient-Level Evidence Confirms No Harm From Paclitaxel Coated Devices For Treating Fempop Disease: Update On Medicare Data From Over 150,000 Patients
Eric A. Secemsky, MD, MSc
Robert Yeh, MD

- 8:40 – 8:45 Mortality Rates After Paclitaxel Coated Device Use In Patients With Both Critical Limb Ischemia (CLI) And Claudication: Two Systematic Reviews And Meta-Analyses Of Randomized Controlled Trials Show NO Increased Mortality With Paclitaxel Coated Devices Up To 5 Years
Ramon L. Varcoe, MBBS, MS, PhD
Andrew Holden, MBChB
Krystal Dinh, MD
Peter A. Schneider, MD

**RELEVANT COMMENTS AS SHORT SUMMARY
[SS] TOPICS (4 ¾-MINUTE TALKS)**

- 8:46 – 8:51 [SS] The Paclitaxel Increased Mortality Effect Reported By Dr. Katsanos et al. Seems Not To Be Confirmed By Added Data: Initial Thought About Katsanos' Recent Meta-Analysis Showing Increased Amputation Rates With Paclitaxel Coated Devices
Peter A. Schneider, MD
- 8:51 – 8:56 [SS] New Data On The Paclitaxel Mortality Controversy: Should You Continue Using These Devices
Gary M. Ansel, MD
- 8:56 – 9:01 [SS] VQI Data Do Not Support The Paclitaxel Increased Mortality Signal
Daniel Bertges, MD
Jack L. Cronenwett, MD

- 9:01 – 9:08 Panel Discussion

**SESSION 26 (LECTURE HALL 1 - Bonnet Creek Ballroom)
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 (5-MINUTE TALKS)**

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

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

- 9:08 – 9:13 Cost Effectiveness Of Drug Eluting Technologies For Femoropopliteal Lesions: They Are Worth The Increased Device Costs
Stefan Müller-Hülsbeck, MD
(Power Point Presentation With Synched Audio)
- 9:14 – 9:19 Stellarex (Philips) DCBs With Low Dose Paclitaxel Is Safe And Effective In Fempop Lesions: Final 5-Year Data From The ILLUMENATE RCTs
Sean P. Lyden, MD
- 9:20 – 9:25 Pooled Data From The In.Pact RCT DCB Trials For SFA-Pop Lesions Show Safety And Efficacy For 5 Years Compared To POBA: Continued Use Is Justified
Peter A. Schneider, MD
John R. Laird, MD
- 9:26 – 9:31 New Findings From The DRASTICO Study Comparing DESs To DCBs For Fempop Lesions: 4-Year Results With TASC A/B Lesions Versus TASC C/D Lesions
Francesco Liistro, MD
- 9:32 – 9:37 Update On The Randomized Head To Head Comparison Of In.Pact (Medtronic) And Ranger (Boston Scientific) DCBs For Complex SFA Lesions: 2-Year Results Of The COMPARE RCT: Similar Results With Different Paclitaxel Dosages
Dierk Scheinert, MD
Sabine Steiner, MD
(Power Point Presentation With Synched Audio)
- 9:38 – 9:43 Update On The Global RANGER II RCT Comparing Ranger DCBs With POBA
Marianne Brodmann, MD

- 9:44 – 9:49 Panel Discussion
- 9:49 – 10:02 Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

Session 26 will continue after the Break.

**SESSION 26 (LECTURE HALL 1 - Bonnet Creek Ballroom)
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 (5-MINUTE TALKS)**

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

- 10:02-10:07 New Information On The Safety And Effectiveness Of The Cook Zilver PTX DES Based On Global Trials Including A RCT: When Is It The Best Treatment
Michael D. Dake, MD
(Power Point Presentation With Synched Audio)
- 10:08-10:13 Update On Clinical Trials Of The Boston Scientific Eluvia DES
William A. Gray, MD
Stefan Müller-Hülsbeck, MD
Thomas Zeller, MD

NEW INFORMATION ON BTK DCBs AND DESs

- 10:14-10:19 The Sirolimus DCB BTK Era Begins – Current Experience With \ The Selution DCB And Design Of The SELUTION SLR .014 BTK IDE Trial: Early Results From Singapore And Europe
Patrick J. Geraghty, MD
- 10:20-10:25 1-Year Results From The AcoArt II BTK DCB RCT Show Safety (No Increased Mortality) And Improved Patency Versus POBA
Francesco Liistro, MD
Wei Guo, MD

- 10:26-10:31 Why BTK DCB Trials Do Not Show Uniformly Better Results:
Technical Factors Matter
 Francesco Liistro, MD
- 10:32-10:37 Update On The SAVAL Trial With A Self-Expanding DES (From
Boston Scientific) For BTK Occlusive Lesions
 Jihad A. Mustapha, MD
 Miguel F. Montero-Baker, MD

10:38-10:43 Panel Discussion

SESSION 27 (LECTURE HALL 1 - Bonnet Creek Ballroom)
**PROGRESS IN EXOTIC AND EXTREME NEW TREATMENTS FOR VERY
DISTAL LOWER EXTREMITY DISEASE CAUSING ADVANCED CLTI: HOW
TO SAVE THE “NO OPTION FOR TREATMENT” LIMB OR THE “DESERT
FOOT” WITH NO PATENT TARGET ARTERIES**

Moderators: Daniel G. Clair, MD
 Marco G. Manzi, MD

- 10:43-10:48 Contemporary Survival After Below-Knee Amputation (BKA),
Above-Knee Amputation (AKA), Bilateral Amputations For
Trauma; For Vascular Disease: It Is Worthwhile Saving Limbs
Especially In Vascular Patients
 Philip P. Goodney, MD, MS

VALUE OF PROSTHETIC (PTFE) TIBIAL BYPASSES

- 10:49-10:54 Value Of Spliced Vein Grafts Versus PTFE Grafts For Bypasses:
When A Single Autologous Vein Is Inadequate
 Joseph L. Mills, MD

- 10:55-11:00 PTFE Tibial And Peroneal Artery Bypasses Can Save No Option Limbs Which Would Otherwise Require Amputation: They Can Have Long-Term Patency And Limb Salvage And Are Worthwhile
Gregg S. Landis, MD
Richard F. Neville, MD
Hosan D. Dosluoglu, MD
Neal S. Cayne, MD
Mark A. Adelman, MD
Frank J. Veith, MD
- 11:01-11:06 For Patients Facing Amputation With No Endo Options Or Useable Vein, PTFE Tibial Bypasses Are A Worthwhile Option
R. Clement Darling III, MD
- 11:07-11:12 Current Outcomes With PTFE Bypasses To Infrapopliteal (Tibial) Targets: Is There Variability Between Surgeons And Institutions
Matthew T. Menard, MD
- 11:13-11:18 Panel Discussion

UPDATE ON FOOT VEIN ARTERIALIZATION FOR CLTI

- 11:18-11:23 What Is The Real Prevalence Of No Option Anatomy Among The CLTI Population: What Is The Role For Foot Vein Arterialization: Impact Of The PROMISE I Trial With The LimFlow System
Peter A. Schneider, MD
- 11:24-11:29 Role And Value Of Vein Arterialization: Best Way To Do It And Long-Term Results: From The Pioneer
Pramook Mutirangura, FRCS
(Power Point Presentation With Synched Audio)
- 11:30-11:35 Pathophysiology Of Venous Arterialization And Neo Angiogenesis For No Option CLTI: How To Predict When It Will Work And When It Won't
Roberto Ferraresi, MD
(Power Point Presentation With Synched Audio)

- 11:36-11:41 2-Year Registry Results With Deep Vein Arterialization With The LimFlow Device For CLTI With Gangrene Shows Reasonable Limb Salvage And Wound Healing
Daniela Branzan, MD
Andrej Schmidt, MD
- 11:42-11:47 How To Perform The LimFlow Procedure: Equipment Required And Technical Tips
Miguel F. Montero-Baker, MD
- 11:48-11:53 Deep Vein Arterialization And Valve Lysis By Surgical Means For No Option Desert Feet With Gangrene: How To Do It And Results
Richard F. Neville, MD
- 11:54-12:00 Panel Discussion
- 12:00- 1:00 Lunch Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 28 (LECTURE HALL 1 - Bonnet Creek Ballroom)
NEW DEVELOPMENTS IN STENTS; PROSTHETIC GRAFTS;
ENDOVASCULAR BYPASSES; STENT GRAFTS AND TREATMENT OF IN
STENT RESTENOSIS (ISR)

Moderators: Mark A. Adelman, MD
Anahita Dua, MD, MS, MBA

- 1:00 – 1:05 3-Year Results From The BioMimics 3D Swirling Flow Stent In The MIMICS-2 Study: Who Needs Paclitaxel
Michael K.W. Lichtenberg, MD
Peter A. Gaines, MD
Timothy M. Sullivan, MD

ARTERIAL PTFE BYPASSES

- 1:06 – 1:11 RCT Comparing Heparin Bonded PTFE (Propaten) Grafts With Plain PTFE Grafts For BTK CLTI Bypasses: Is Heparin Bonding Helpful
Yann Gouëffic, MD, PhD
(Power Point Presentation With Synched Audio)
- 1:12 – 1:17 Hybrid Fluoroscopically Guided Improved Method For Restoring Patency To Occluded PTFE Bypasses: It's Less Invasive And More Effective
Neal S. Cayne, MD
Frank J. Veith, MD

PERCUTANEOUS BYPASSES

- 1:18 – 1:23 Percutaneous (PQ) Tranvenous Fempop PTFE Bypasses With The Torus 2 Device: How It Works And Status Of The DETOUR And TORUS Trials In The US And Europe
Sean P. Lyden, MD
Daniel G. Clair, MD
Ehrin Armstrong, MD
Peter A. Schneider, MD
- 1:24 – 1:29 3-Year Results Of The Detour PQ Fempop Arterial Bypass Routed Through The Femoral Vein: Will It Make Open Bypass Obsolete
Dainis K. Krievins, MD
- 1:30 – 1:35 A Novel Technique For PQ Fempop Bypass Routing The PTFE Bypass Through The Soft Tissue Of The Thigh: How To Do It And Early Results
Pierre G. Sarradon, MD
Jean-Pierre Becquemin, MD

NEW INFORMATION ON STENT-GRAFTS

- 1:36 – 1:41 2-Year Results Of The SUPER B RCT Shows That Viabahn Stent-Grafts Have Patency Rates As Good As Open Fempop PTFE Bypasses But Require More Reinterventions: How To Make Viabahns Work Best
Michel M.P. Reijnen, MD, PhD

TREATMENT OF IN STENT RESTENOSIS (ISR)

- 1:62 – 1:47 Laser Atherectomy May Facilitate Endovascular Treatment Of ISR But Does Not Provide Long-Term Benefit: How Should ISR Be Treated
Russell H. Samson, MD
- 1:48 – 1:53 The Excimer Laser For Treating ISR: It Has A Role In Grossing And Debulking Difficult Lesions: Technical Tips
Craig M. Walker, MD

- 1:54 – 2:00 Panel Discussion

SESSION 29 (LECTURE HALL 1 - Bonnet Creek Ballroom) **LOWER EXTREMITY TRIALS; GUIDELINES; FOOT PERFUSION** **EVALUATION METHODS AND VALUE OF ANGIOSOMES**

Moderators: Mark K. Eskandari, MD
Gregg S. Landis, MD

- 2:00 – 2:05 Update On The BEST-CLI RCT Comparing Endovascular And Open Treatment Of Lower Extremity Ischemia: Current Status, Challenges And What Will Be Its Value
Matthew T. Menard, MD
Alik Farber, MD, MBA
Kenneth Rosenfield, MD

METHODS FOR EVALUATING FOOT PERFUSION

- 2:06 – 2:11 Measuring Foot Perfusion After Endo Treatments For CLTI With Perfusion Angiography And Smart Software: Why It Is Important And How To Do It
 Jim Reekers, MD, PhD
- 2:12 – 2:17 Indocyanine Green Fluorescence (IGC-FL) Is A Good Way To Measure Foot Perfusion After Treatment: How It Explains Why The Angiosome Concept Is Important After Endo Treatments But Not After Bypasses
 Maarit Venermo, MD, PhD
- 2:18 – 2:23 How And Why To Measure Foot Perfusion During Endo Treatments: Hyperspectral Imaging, O₂ Sensors, Etc: When Is The Angiosome Concept Helpful; When Not
 Marianne Brodmann, MD
- 2:24 – 2:29 What Are The Best Ways To Evaluate CLTI Treatment Outcomes: Physiology, Wound Healing, Anatomy (Angiography Or Ultrasound), MACE Or MALE: Why It Matters
 Ido Weinberg, MD, MSc
- 2:30 – 2:35 Pedal Arch Patency Is Key To Predicting Limb Salvage With Endovascular Treatment For CLTI With Tissue Necrosis: How Is It Best Evaluated
 Hosan D. Dosluoglu, MD
 Linda M. Harris, MD
- 2:36 – 2:41 Foot Perfusion Measurements Show Why Open Bypasses Are Better Than Endovascular Treatments For CLTI
 Werner Lang, MD
- 2:42 – 2:48 Panel Discussion
- 2:48 – 3:08 Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 30 (LECTURE HALL 1 - Bonnet Creek Ballroom)
NEW DEVELOPMENTS IN THE TREATMENT OF INTERMITTENT
CLAUDICATION AND ACUTE LIMB ISCHEMIA

Moderators: Matthew T. Menard, MD
Caitlin W. Hicks, MD, MS

INTERMITTENT CLAUDICATION (IC)

3:08 – 3:13 Overuse Of Vascular Interventions For IC Is A Measure Of Poor
Care: How Is This Determined
Caitlin W. Hicks, MD, MS
James H. Black, III, MD

ACUTE LIMB ISCHEMIA (ALI) (See Also Session 59)

3:14 – 3:19 Update On Thrombosuction Devices For Treating ALI: Which
Device In Which Circumstance: Advantages And Limitations
Eric L.G. Verhoeven, MD, PhD
Athanasios Katsargyris, MD

3:20 – 3:25 Computer Aided Mechanical Aspiration Thrombectomy (CMAT)
Is Obviating The Need For Thrombolytics In ALI: Which Device Is
Best When And Why
Patrick E. Muck, MD

3:26 – 3:31 Aspiration Thrombectomy Devices And Techniques For ALI: Are
Thrombolytics And Fogarty Balloon Catheters Obsolete
Maria Antonella Ruffino, MD

3:32 – 3:37 Penumbra Indigo Clot Aspiration System To Treat ALI: Why Is It
A Game Changer: Technical Tips For Usage
James F. Benenati, MD

3:38 – 3:43 Value And Technical Tips For Using The Indigo Clot Removal
System Before Treating ISR And Other Lesions With Balloon And
Stents
Frank R. Arko, MD

3:44 – 3:49 How To Treat ALI Under Duplex Ultrasound Guidance:
Advantages And Limitations
 Natalie A. Marks, MD, RPVI
 Enrico Ascher, MD

3:50 – 3:56 Panel Discussion

SESSION 31 (LECTURE HALL 1 – Bonnet Creek Ballroom)
**ADVANCES IN MEDICAL TREATMENTS, NEW ANTIATHEROGENIC
DRUGS, VALUE OF RIVAROXABAN AND PREVENTING MIs IN VASCULAR
SURGERY PATIENTS**

Moderators: Ido Weinberg, MD, MSc
 Bhama Ramkhelawon, PhD

3:56 – 4:01 What Adequate And Ideal Lipid Levels Should We Strive For In
PAD Patients: How To Get There
 Marianne Brodmann, MD

4:02 – 4:07 Risks And Consequences Of Perioperative Myocardial Infarctions
(MIs) In Open Vascular Surgery Patients: What Can Be Done To
Decrease MI Incidence And Their Morbidity And Mortality When
They Occur
 Peter Henke, MD

4:08 – 4:13 Update On LDL-C Lowering During A Lifetime: How Low To
Strive For; How Young To Start If High; How Old To Continue
Statins
 J. David Spence, MD
 (Power Point Presentation With Synched Audio)

4:14 – 4:19 **DEBATE:** LDL-C Lowering And Statins For Prophylaxis Of
Vascular Events Are Dangerous And Not Helpful
 Sherif A.H. Sultan, MD, PhD

- 4:20 – 4:25 **DEBATE:** Not So: 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
- 4:26 – 4:31 Low Dose Rivaroxaban And Aspirin Improve Survival And Decrease Major Adverse Limb Events (MALE) After Endo And Open Treatments For PAD/CLTI: From The VOYAGER RCT
 Sebastian E. Debus, MD
 Marianne Brodmann, MD
- 4:32 – 4:37 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
- 4:38 – 4:43 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
 Richard Bulbulia, MD, MA
- 4:44 – 4:50 Panel Discussion

SESSION 32 (LECTURE HALL 1 – Bonnet Creek Ballroom)
**CATHETER BASED TREATMENTS OF RESISTANT HYPERTENSION;
MANAGEMENT OF CARDIAC PROBLEMS, SMOKING AND TRANSFUSION
IN VASCULAR SURGERY PATIENTS; MORTALITY RISK IN STROKE
PATIENTS; VASCULAR AND CARDIAC COMPLICATIONS OF COVID-19**

Moderators: Christopher K. Zarins, MD
 Michael R. Jaff, DO

UPDATE ON RENAL DENERVATION FOR HYPERTENSION

- 4:50 – 4:55 Current Status Of Renal Denervation For Drug Resistant Hypertension: Why The Simplicity Spyral Radiofrequency Denervation System Is Different: Status Of The SPYRAL HTN-OFF MED RCT (Versus Sham)
 Sahil A. Parikh, MD
- 4:56 – 5:01 Preop Cardiac Evaluation With CT-Based Fractional Flow Reserve (FFR_{CT}) And Selective Coronary Revascularization Saves Lives In Patients Undergoing Procedures For CLTI And Carotid Disease
 Christopher K. Zarins, MD
 Dainis K. Krievins, MD
- 5:02 – 5:07 How And Why Do Thoracic Stent-Grafts For TEVAR Negatively Affect The Heart
 Frans L. Moll, MD, PhD
 (Power Point Presentation With Synched Audio)
- 5:08 – 5:13 Permissive Transfusion Strategies Increase Mortality And Serious Adverse Events After Major Vascular And General Surgery Operative Interventions
 Panos Kougias, MD, MSc
- 5:14 – 5:19 Vascular Complications Of COVID-19 Infections: What Is Known And Unknown: How To Diagnose And Treat
 Michael E. Barfield, MD
- 5:20 – 5:25 Cardiac Complications Of COVID-19 Infections: What Is Their Genesis: Diagnosis And Treatment
 Roxana Mehran, MD
 (Power Point Presentation With Synched Audio)
- 5:26 – 5:31 Panel Discussion

End of Program C

PROGRAM D

(Sessions 33-42) 7:00 A.M. – 6:10 P.M.

Management Of Endoleaks; More Topics Related To Thoracic And Abdominal Aortic Diseases And Their Treatment; Treatment Of Complex AAAs; Treatment Of Iliac Aneurysms; Iliac Branched Devices And Miscellaneous Topics Related To Reimbursement, Outpatient Labs, the FDA And The SVS VQI.

Location: LECTURE HALL 2 - FLORIDIAN BALLROOM

SESSION 33 (LECTURE HALL 2 - Floridian Ballroom)

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

Moderators: Timur P. Sarac, MD
Michel Makaroun, MD

TO TREAT OR NOT TO TREAT TYPE 2 ENDOLEAKS

7:00 – 7:05 Most Type 2 Endoleaks Are Benign: The Case Can Be Made That By Treating Type 2 Endoleaks The Harm And Cost Of Such Treatment Outweighs The Benefits: When If Ever Should They Be Treated; AAA Sac Behavior Predicts Late Survival After EVAR
Michel M.P. Reijnen, MD, PhD

TREATING TYPE 1 ENDOLEAKS

7:06 – 7:11 Type 1A Endoleaks After EVAR Are Predictable And Preventable: How To Do So
Michael J. Singh, MD

7:12 – 7:17 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

7:18 – 7:23 How To Minimize Gutter Type 1A Endoleaks With Chimney EVAR (Ch/EVAR): How To Treat Them When They Occur: When Not To Treat Them

Konstantinos P. Donas, MD
(Power Point Presentation With Synched Audio)

7:24 – 7:29 Shape Memory Technology For AAA Sac Filling: How Does It Work And Why It May Be A Better Form Of EVAR

Andrew Holden, MBChB
(Power Point Presentation With Synched Audio)

ROLE OF INFLAMMATION

7:30 – 7:35 The Role Of Inflammation In Causing Late Endoleaks: How To Evaluate It And How Should It Influence Treatment

Furuzan Numan, MD

7:36 – 7:42 Panel Discussion

SESSION 34 (LECTURE HALL 2 - Floridian Ballroom)

PREVENTION OF TYPE 2 ENDOLEAKS AFTER EVAR

Moderators: Ross Milner, MD
Adam Beck, MD

7:42 – 7:47 A RCT Shows The Advantages Of Inferior Mesenteric Artery (IMA) And Lumbar Embolization: Confirmed By A Japanese RCT: When And How To Do It

Dominique Fabre, MD
Stephan Haulon, MD
(Power Point Presentation With Synched Audio)

7:48 – 7:53 With A Large IMA (> 3mm), When Should It Be Embolized; When Should It Be Revascularized And Why

Piotr M. Kasprzak, MD

TREATMENT OF TYPE 2 ENDOLEAKS AFTER EVAR

- 7:54 – 7:59 How Duplex Ultrasound Velocities In Type 2 Endoleaks Determine Behavior And Help In Treatment: Technical Tips
 Ross Milner, MD
- 8:00 – 8:05 Glue Embolization Is Effective Treatment For Most Threatening Type 2 Endoleaks: When And How Best To Do It
 Neal S. Cayne, MD
- 8:06 – 8:11 Transcaval Access To AAA Sacs For Treatment Of Type 2 Endoleaks After EVAR: When And How To Do It
 Adam Beck, MD
- 8:12 – 8:17 How To Best Leverage 3D Fusion Software (GE) To Get Into The Nidus And Treat Type 2 Endoleaks: Best Embolic Agent And Value Of Transcaval Access
 Mark W. Mewissen, MD, RVT
- 8:18 – 8:23 Transgraft Approach To Treat Type 2 Endoleaks: Indications, Equipment, Advantages And Precautions
 James F. McKinsey, MD
- 8:24 – 8:29 Laser Assisted Transgraft Onyx Embolization Of Type 2 Endoleaks: Indications, Equipment And Technique
 Zvonimir Krajcer, MD
- 8:30 – 8:35 With Type 2 Endoleaks And Sac Expansion Open Sacotomy And Branch Ligation Is The Best Treatment: Why And What Precautions Are Needed To Be Sure There Is Not Occult Type 1 Leak
 Zachary M. Arthurs, MD
- 8:36 – 8:48 Panel Discussion

SESSION 35 (LECTURE HALL 2 – Floridian Ballroom)
MORE TOPICS RELATED TO THE THORACIC AORTA, AORTIC DISSECTIONS, INTRAMURAL HEMATOMAS (IMHs) AND THEIR TREATMENT

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

- 8:48 – 8:53 False Lumen Area >50% Of Total Aortic Cross-Section Area At The Tracheal Bifurcation At Time Of TEVAR For TBAD Is A Predictor Of Early Death: How To Decrease This Mortality
Johnny Steuer, MD, PhD
- 8:54 – 8:59 Results From A Global Multicenter Registry On Candy Plug In Chronic TBAD
Tilo Kölbel, MD, PhD
- 9:00 – 9:05 Staged Hybrid Single Lumen Reconstruction Is The Best Treatment For Complex Chronic TBAD With Visceral Segment Involvement Of The Aorta: How To Do It, Advantages And Results
Sherif A.H. Sultan, MD, PhD
- 9:06 – 9:11 Reinterventions After TEVAR For TBADs: How To Decrease Them At The Index Procedure And How Planning Helps
Bijan Modarai, PhD
- 9:12 – 9:17 Adjunctive Peripheral And Visceral Interventions During TEVAR For Complicated TBADs: Indications, Technical Tips And Results
Mark K. Eskandari, MD
- 9:18 – 9:23 Update On Intramural Hematoma (IMH): Etiology, Natural History And Indications For TEVAR
Frank J. Criado, MD
- 9:24 – 9:30 Panel Discussion
- 9:30 – 9:42 Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 36 (LECTURE HALL 2 – Floridian Ballroom)

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

Moderators: Rodney A. White, MD
Alan B. Lumsden, MD

9:42 – 9:47 Value Of Transcranial Doppler (TCD) For TEVAR And Endo Procedures Involving The Ascending Aorta And Aortic Arch
Alan B. Lumsden, MD

9:48 – 9:53 Antegrade Stent-Graft Delivery For Treating Acute Type A Dissections: When Is It Advantageous And How To Do It
Ourania Preventza, MD
Joseph S. Coselli, MD

9:54 – 9:59 The Pulley Effect: Endovascular Instrumentation At The Aortic Bifurcation Generates Unexpected Forces That May Tear The Aorta
Martin Malina, MD, PhD

10:00-10:05 For Precise TEVAR In The Aortic Arch Rapid Pacing And Caval Occlusion Are NOT Needed: Valsalva And PEEP By Anesthesiologist Do Just As Well And Are Simple: Technical Tips
Nikolaos Tsilimparis, MD, PhD

10:06-10:11 Arch Lesion Repair With Single, Double Or 3-Branched Devices: When Is Each Best And Why
Gustavo S. Oderich, MD

10:12-10:17 Laser Fenestration Option For TEVAR Involving The Great Arch Branches: When Is It Better Than Branched Endografts: Technique And Results
Timothy A. Resch, MD, PhD

10:18-10:26 Panel Discussion

SESSION 37 (LECTURE HALL 2 – Floridian Ballroom)

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

Moderators: Giovanni B. Torsello, MD
Gustavo S. Oderich, MD

COMPLEX AAAs AND TAAAs

10:27-10:32 Open Repair Is The Best Way To Treat Short Neck, No Neck And Pararenal AAAs: Why Is This So
Laurent Chiche, MD

10:33-10:38 Comparative Morbidity And Mortality Outcomes Of Open, Hybrid And F/B/EVAR For Type II And III TAAAs Justify Greater Use Of F/B/EVAR For These Complex Lesions
Gilbert R. Upchurch, MD
Salvatore T. Scali, MD
Dean Arnaoutakis, MD

10:39-10:44 New Techniques To Improve The Open Repair Of TAAAs
Laurent Chiche, MD

TOPICS RELATED TO INTERESTING NEW DEVICES

10:45-10:50 A New Hybrid Device (Thoracoflo From Terumo Aortic) For TAAA Repair: How It Works, Early Clinical Experience And Advantages
Sebastian E. Debus, MD, PhD

10:51-10:56 A New Hybrid Device (Thoracoflo From Terumo Aortic) For TAAA Repair: How It Works, Early Clinical Experience And Advantages
Sebastian E. Debus, MD, PhD

10:57-11:02 Role Of Device Engineering On Sac Regression Seen With The TREO Endograft
Michael C. Stoner, MD

11:03-11:08 Update On The Colt Manifold Device For TAAAs, Complex AAAs, Failed EVARs And Failed EVAS Procedures: How Does It Work And Results
Piotr Szopinski, MD, PhD

11:09-11:17 Panel Discussion

SESSION 38 (LECTURE HALL 2 – Floridian Ballroom)

PROGRESS IN TREATING ILIAC ANEURYSMS; 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

11:18-11:23 **DEBATE:** How Best To Treat Iliac Aneurysms In 2021: There Is Not Much Of A Need For Open Surgery
Stefan Müller-Hülsbeck, MD
(Power Point Presentation With Synched Audio)

11:24-11:29 **DEBATE:** There Is A Role For Open Surgery In The Treatment Of Iliac Aneurysms: What Is It And Technical Tips
Heron E. Rodriguez, MD

11:30-11:35 Long-Term Experience With Cook IBD For The Treatment Of Common Iliac Aneurysms: Advantages And Limitations
Giovanni B. Torsello, MD

11:36-11:41 Update On The Gore IBE Excluder For Treating Iliac Aneurysms And Preserving Hypogastric Artery Flow: Advantages And Limitations: From The European ICEBERG Registry
Michel M.P. Reijnen, MD, PhD

11:42-11:47 Advantages And Limitations Of The Jotec-Cryolite Iliac Branch Device For Treating Common And Internal Iliac Artery Aneurysms
Lee H. Bouwman, MD, PhD, MSc

UPDATE ON MULTILAYER FLOW MODULATING (MLFM) BARE STENTS

11:48-11:53 MLFM Bare Stent (From Cardiatis) Is A Promising Treatment For Acute Aortic Dissections: What Is The Evidence In Support
Rodney A. White, MD

11:54-12:00 Panel Discussion

12:00- 1:00 Lunch Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 39 (LECTURE HALL 2 – Floridian Ballroom)

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; LINK TO CANCER; IMPROVED ULTRASOUND SURVEILLANCE AND ALL AAAs ARE NOT TIME BOMBS WAITING TO EXPLODE

Moderators: Thomas S. Maldonado, MD
Fiona Rohlfes, MD

1:00 – 1:05 A Novel New Technology (Nectero) To Slow AAA Growth; How Does It Work And Early Clinical Results
Venkatesh G. Ramaiah, MD

AAA NECK BEHAVIOR AFTER EVAR

1:06 – 1:11 Impact Of Oversizing And Level Of Fixation (Infra Versus Supra-Renal) On Aortic Neck Behavior: How Do These Variables Affect EVAR Outcomes: From A 10-Year Study
Carlos Bechara, MD

1:12 – 1:17 Aortic Neck Dilatation Is Different After F/EVAR And EVAR: What Is The Reason And Why Is It Important For Outcomes
Thomas S. Maldonado, MD

- 1:18 – 1:23 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
- 1:24 – 1:29 Do AAA Necks Dilate After F/EVAR For Juxtarenal AAAs: What Are The Good Or Bad Consequences For Procedural Outcomes
Benjamin W. Starnes, MD
- 1:30 – 1:35 **DEBATE:** Low Profile Devices For EVAR Are Failing: Their Future Is Questionable
Hence J.M. Verhagen, MD, PhD
- 1:36 – 1:41 **DEBATE:** Not So: Ovation Stent-Graft (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
- 1:42 – 1:47 Current Status Of The Link Between EVAR And Cancer: Is It Real And What Is Its Etiology
Janet T. Powell, MD, PhD
- 1:48 – 1:53 Presenting AAAs As Ticking Time Bombs Or Unexploded Grenades Is Wrong-Headed, Inaccurate And Harmful
Frank J. Criado, MD
- 1:54 – 2:00 Panel Discussion

SESSION 40 (LECTURE HALL 2 – Floridian Ballroom)

MORE NEW DEVELOPMENTS IN AAAs: HOW DO THEIR NECK AND SAC SIZE AND THROMBUS LOAD EFFECT PROGNOSIS AFTER EVAR AND EVAS; OTHER RELATED AAA TOPICS

Moderators: Ali F. AbuRahma, MD
Janet T. Powell, MD, PhD

AAA NECK AND SAC THROMBUS LOAD

- 2:00 – 2:05 **DEBATE:** Large Amount Of AAA Sac Thrombus Promotes Morbidity With And Without Rupture: What Is The Mechanism And How To Quantitate Thrombus Load
David H. Deaton, MD
- 2:06 – 2:11 **DEBATE:** Large Flow Luminal Space In 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
- 2:12 – 2:17 **Graft Infolding: A Unique EVAR Complication: How To Prevent It And How To Treat It**
Ashraf Mansour, MD
- 2:18 – 2:23 **Large AAA Necks (> 29 mm) Increase Migration And Leak Risks After EVAR With Self-Expanding Endografts Due To Neck Dilatation: Not So With Anatomically Adaptive (Polymer) Sealing Endografts (Ovation) Which Are Not Followed With Neck Dilatation**
Hence J.M. Verhagen, MD, PhD
- 2:24 – 2:29 **Does Doxycycline Stabilize AAA Neck Diameter: From The NTACT Trial**
Jon S. Matsumura, MD
- 2:30 – 2:35 **EVAS With Sac Filling Technology (Nellix) Has Lower Late Mortality Than EVAR With Other Endografts – Especially With Large AAAs: What Is The Mechanism Thought To Be**
Marc L. Schermerhorn, MD
- 2:36 – 2:42 **Panel Discussion**
- 2:42 – 2:56 **Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)**

SESSION 41 (LECTURE HALL 2 – Floridian Ballroom)

HOT AORTIC TOPICS (4 ¾ AND 5--MINUTE FAST PACED TALKS)

Moderators: Timothy A.M. Chuter, DM
Luis A. Sanchez, MD

- 2:56 – 3:01 A Large Proportion Of EVARs Are Performed On Small AAAs: What Are The Implications And What Should Be Done About It
Salvatore T. Scali, MD
- 3:01 – 3:06 Late Delayed Renal Artery Revascularization After Inadvertent Occlusion During Complex EVAR Is Worthwhile: Collaterals Keep The Kidney Viable Although No Urine Is Produced
Nikolaos Tsilimparis, MD, PhD
- 3:06 – 3:11 How Can A Long-Term Aortic Risk (LEAR) Model Predict Mortality And Complication Risks And Guide Surveillance: Can The Model Be Made Device Specific
Ian Loftus, MD
Pete Holt, MD, PhD
- 3:12 – 3:17 Visceral Debranching With A Simple Aortic Endograft Is The Best Way To Treat AAAs In Good Risk Patients: How To Do It Safely
Guillermo A. Escobar, MD
- 3:18 – 3:23 Update On Maintaining Euglycemia To Decrease Spinal Cord Ischemia With Complex AAA And TAAA Repairs
Jade S. Hiramoto, MD
- 3:24– 3:29 Incidence And Etiology Of Cerebrovascular Injuries With Acute TBADs With And Without Treatment
Loay S. Kabbani, MD
- 3:30 – 3:35 EVAR, F/EVAR And B/EVAR Results In Females: Are There Still Differences
Eric L.G. Verhoeven, MD, PhD
Athanasios Katsargyris, MD

- 3:36 – 3:41 Update On Performing EVAR With Only IVUS Guidance To Decrease Radiation: Technical Tips And 3-Year Results
Jörg Tessarek, MD
- 3:42 – 3:47 Risk Factors And Late Clinical Consequences Of AAA Neck Dilatation >6 Years After EVAR With Self-Expanding Endografts: Does The Neck Keep Dilating After The Spring Is Gone: What Are The Differences Between Excluder And Endurant Endografts
Hence J.M. Verhagen, MD, PhD
- 3:48 – 3:58 Panel Discussion
- SESSION 42 (LECTURE HALL 2 – Floridian Ballroom)**
MORE SHORT HOT NEW TOPICS RELATED TO AORTIC DISEASE AND ITS TREATMENT AND MISCELLANEOUS TOPICS
- Moderators:* Luis A. Sanchez, MD
Michael L. Marin, MD
- 3:58 – 4:03 Impact Of Iliac Aneurysms On The Treatment Of Complex AAAs
Matthew J. Eagleton, MD
- 4:04 – 4:09 How To Treat AAAs With Large (>34 mm Diameter) Necks: When EVAR; When F/EVAR; When Open
Rabih A. Chaer, MD
- 4:10 – 4:15 A New Gene Family In AAA Smooth Muscle Is Related To Aneurysm Diameter And Rupture: Could It Be A Screening Tool
Kak Khee Yeung, MD, PhD
- 4:16 – 4:21 How Should Intramural Hematomas (IMHs) In The Ascending Aorta And Arch Be Treated
Jennifer L. Perri, MD, MBA
Timothy A.M. Chuter, DM

4:22 – 4:27 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

4:28 – 4:33 The Sandwich-Periscope Technique For Left Subclavian Revascularization With Zone 2 TEVAR: It May Be The Best Way And How To Do It

Sukgu Han, MD

4:34 – 4:39 Comparison Of Endo And Open (Carotid-Subclavian Bypass) Treatments For Subclavian Artery Stenosis And Occlusions: Safety, Durability And Costs

Ali F. AbuRahma, MD

4:40 – 4:46 Panel Discussion

MISCELLANEOUS TOPICS

4:46 – 4:51 Propensity Score Matching Studies: How Do They Work And What Are Their Strengths And Weaknesses

Charles C. Miller, PhD

4:52 – 4:57 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

4:58 – 5:03 How Can Vascular Surgeons Identify High Risk, High Cost Patients And Help Health Care Systems Control Costs: How To Prevent Inappropriate Treatments In These Patients

Lee Kirksey, MD

- 5:04 – 5:09 What Obstacles And Blows Are Vascular Surgeons And Other Vascular Specialists Facing In 2021: Will Planned Increased Reimbursement For Office And Hospital Visits Cause Decreases In Procedural Reimbursements
Sean P. Roddy, MD
- 5:10 – 5:15 What Vascular Injury Killed Martin Luther King, Jr. And Why He Might Have Survived Today
Cynthia K. Shortell, MD
- 5:16 – 5:21 Historical Perspective Over The Last 25 Years On FDA Approvals Of EVAR Devices Submitted By Investigators And Industry: Lessons Learned To Guide Future Applications
Kenneth Ouriel, MD, MBA
Dorothy B. Abel, BSBME
- 5:22 – 5:27 Are The Quality, Safety And Effectiveness Of Generic Drugs Equating Those Of The Patented Original Drugs: How Is The FDA Assuring Equivalence; Should The FDA Do More
Valerie M. Merkle, PhD
- 5:28 – 5:34 Panel Discussion
- 5:34 – 5:39 A Balanced View Of Atherectomy In Outpatient Facilities And OBLs In 2020: Is The Procedure Overused And Why
Krishna Jain, MD
- 5:40 – 5:45 Inherent Conflicts Of Interest In OBLs: Why They Occur And Are Bad For Patients: How To Counteract Them
O. William Brown, MD, JD
- 5:46 – 5:51 Why And How Do Outpatient Angio Suites And OBLs Fail
Sam S. Ahn, MD, MBA
- 5:52 – 5:57 SVS VQI – From Quality Improvement To Disruptive Technology
Jens Eldrup Jorgensen, MD
Jack L. Cronenwett, MD

5:58 – 6:03 Improved Outcomes Of Type A Aortic Dissections With Use Of Bare Stents (Cardiatis And Ascyrus): They Decrease Malperfusion, Promote Aortic Remodeling And Prevent Strokes: How Do They Work

Ralf R. Kolvenbach, M

(Power Point Presentation With Synched Audio)

6:04 – 6:10 Panel Discussion

End of Program D

THURSDAY, NOVEMBER 18, 2021

6:00 A.M. General Registration – Bonnet Creek Ballroom - North Foyer

6:00 A.M. Faculty Registration – Bonnet Creek Ballroom – Salon I

6:30 A.M. Continental Breakfast – Bonnet Creek and Floridian Ballrooms - North, West, Center and South Foyers

PROGRAM E

(Sessions 43-50) 7:00 A.M. – 5:25 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 AAA; More About New Devices, Techniques Or Concepts; Progress In Radiation Safety

Location: LECTURE HALL 1 - BONNET CREEK BALLROOM

SESSION 43 (LECTURE HALL 1 - Bonnet Creek Ballroom)

EXCITING NEW OR REDISCOVERED TECHNIQUES, DEVICES OR CONCEPTS

Moderators: Richard F. Neville, MD
Frank J. Veith, MD

7:00 – 7:05 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

7:06 – 7:11 Update On Remote Monitoring Of Vascular Grafts: Where Is It At And Where Is It Going

Richard F. Neville, MD

7:12 – 7:17 Value Of Digital Health In Vascular Disease Management: Virtual And Otherwise

Tony S. Das, MD

7:18 – 7:23 Vascular Surgical Risks Of Shoulder Reconstructive Surgery: What Are They And How Should They Be Managed

Jacques Busquet, MD

- 7:24 – 7:29 Measuring Aortic Diameters Is Inaccurate And Subjective: Even With Newer Imaging Technology, One Can Make The Diameter What You Want: What Are The Implications
Janet T. Powell, MD, PhD
- 7:30 – 7:35 The Temporary Perfuse Dual Chamber Stent-Graft For Clamp Free Aortic Surgery, Drug Delivery And Other Uses: How Does It Work
Bryan W. Tillman, MD, PhD
- 7:36 – 7:41 Non-Compliant Endografts For TEVAR Have A Detrimental Effect On Systolic Blood Pressure And Cardiac Function; Compliant Endografts Are The Remedy
Juan C. Parodi, MD
Sherif A.H. Sultan, MD, PhD
(This presentation will be given by Dr. Sultan)
- 7:42 – 7:47 Update On Isolated Limb Perfusion To Enable Amputated Limb Reimplantation
Zachary M. Arthurs, MD
- 7:48 – 7:59 Panel Discussion

SESSION 44 (LECTURE HALL 1 - Bonnet Creek Ballroom)
PROGRESS IN FENESTRATED AND BRANCHED EVAR (F/B/EVAR) AND PARALLEL GRAFTS FOR COMPLEX AAAs AND TAAAs; AND RELATED TOPICS

Moderators: James F. McKinsey, MD
 Timothy A.M. Chuter, DM

- 8:00 – 8:05 Lower Extremity Ischemic Complications After F/B/EVAR: Etiology And How To Avoid Them
Thomas S. Maldonado, MD
- 8:06 – 8:11 F/B/EVAR Treatment Of FAILED EVAR: A Safer Better Way To Treat: How Has The Aortic Research Consortium Helped To Promote Solutions To This And Other Problems
Andres Schanzer, MD

- 8:12 – 8:17 When Is Ch/EVAR Indicated And Equally Effective To F/EVAR For Juxta And Pararenal AAAs In Terms Of Outcomes And Cost: Why Are Opinions On Ch/EVAR So Divergent
Konstantinos P. Donas, MD
(Power Point Presentation With Synched Audio)
- 8:18 – 8:23 Fenestrated EVAR: Techniques And Outcomes With Physician Modification And Their Impact On A New IDE Pivotal Study
Benjamin W. Starnes, MD
- 8:24 – 8:29 Mortality From Aneurysm Rupture While Waiting For A Customized F/B/EVAR Endograft: Strategy To Prevent: Are There Reasons For Open Repairs In A High Volume F/B/EVAR Center
Eric L.G. Verhoeven, MD, PhD
- 8:30 – 8:35 Why Balloon Expandable Bridging Stent-Grafts Are Best For F/B/EVAR: Which One Is Best And Why: A US Perspective
Mark A. Farber, MD
- 8:36 – 8:41 What Is The Best Bridging Covered Stent (Stent-Graft) For F/B/EVAR Based On An In Vitro Fatigue Testing Model And Other Considerations
Martin J. Austermann, MD
(Power Point Presentation With Synched Audio)
- 8:42 – 8:47 How To Safely And Effectively Treat TAAAs With Off-The-Shelf (OTS) Devices Including Chimney And Sandwich Stent-Grafts: The Docking Station Approach: How To Do It And Midterm Results
Manish Mehta, MD, MPH
- 8:48 – 9:03 Panel Discussion
- 9:04– 9:38 Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 45 (LECTURE HALL 1 - Bonnet Creek Ballroom)
MORE PROGRESS IN F/B/EVAR AND PARALLEL GRAFTS FOR COMPLEX AAAs AND TAAAs; AND RELATED TOPICS

Moderators: Mark A. Farber, MD
Frank J. Veith, MD

- 9:38 – 9:43 Percutaneous Femoral And Axillary Access For Complex Endovascular AAA Repair: How To Do It Safely And To Safely Downsize Femoral Sheaths To Restore Lower Extremity Flow
Darren B. Schneider, MD
- 9:44 – 9:49 Present Status Of Parallel Grafts For Complex AAAs And TAAAs: How To Do These Repairs Safely And Effectively: Results To Date
Armando C. Lobato, MD, PhD
- 9:50 – 9:55 Value And Advantages Of Preloaded Wires And Catheters For F/B/EVAR: How Do They Work; Are There Pitfalls
Mark A. Farber, MD
- 9:56 -10:01 **DEBATE:** The Case Against Ch/EVAR And Parallel Grafts For Complex AAA And TAAA Repairs: F/B/EVAR Is Much Better
Adam Beck, MD
- 10:02-10:07 **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
Edward Y. Woo, MD
- 10:08-10:13 F/EVAR Is Sometimes Justified In Patients >80: How About >90
Clark J. Zeebregts, MD, PhD
- 10:14-10:19 **DEBATE:** Increasing The Number Of Fenestrations In F/EVAR Beyond 2 Improves Outcomes Without Increasing Downsides
Eric L.G. Verhoeven, MD, PhD

10:20-10:25 **DEBATE:** Not So! 2 Branch F/EVAR Is Sometimes Better And Has Fewer Complications And Downsides In Some Cases: Which Ones
 Timothy A. Resch, MD, PhD

10:26-10:31 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

10:32 – 10:42 Panel Discussion

SESSION 46 (LECTURE HALL 1 - Bonnet Creek Ballroom)

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: Joseph J. DuBose, MD
 Todd E. Rasmussen, MD

10:42-10:54 The Vietnam Battle Of Ia Drang (November 14-16, 1965): Why Was It Fought And Why Was It Significant (12-Minute Talk)
 Wayne F. Yakes, MD

10:55-11:01 Department of Defense Effort To Support Vascular Surgery Research And US National Preparedness For Mass Casualties
 Todd E. Rasmussen, MD

11:02-11:08 Update On Endovascular Resuscitation And Control Of Bleeding: What Is New And Different: What Is The EVTm Society
 Tal M. Hörer, MD, PhD

11:09-11:15 Update On Civilian REBOA (Resuscitative Endovascular Balloon Occlusion Of The Aorta) For Treatment Of Hemorrhage And Trauma: What Is New And Different: When And Where Should It Be Used And By Whom
 Joseph J. DuBose, MD

- 11:16-11:22 Is REBOA A Panacea For Battlefield Hemorrhage Or Not Yet Ready For Prime Time Use
Brandon Propper, MD
Zachary M. Arthurs, MD
Todd E. Rasmussen, MD
- 11:23-11:29 Current Advances In The Treatment Of Blast And High Velocity Gun Shot Injuries
Paul W. White, MD
- 11:30-11:36 Update On The Retrievable Rescue Stent Graft To Control Massive Aortic Or Caval Bleeding: How Does It Work And Present Status
Bryan W. Tillman, MD, PhD
- 11:37-11:43 Major Amputation Prosthetics Can Be Fixed Into Bone: How Does Osteointegration Work And How Is Infection Avoided
Zachary M. Arthurs, MD
Todd E. Rasmussen, MD
- 11:44-11:50 Update On Tissue Engineered Biological Arterial Grafts (Humacyte): How Well Are They Working In Patients And In What Vascular Bed
Jeffrey H. Lawson, MD, PhD
- 11:51-12:00 Panel Discussion
- 12:00- 1:00 Lunch Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 47 (LECTURE HALL 1 - Bonnet Creek Ballroom)
PROGRESS IN THE TREATMENT OF RUPTURED INFRARENAL AAAs, COMPLEX AAAs, TAAAs AND RELATED TOPICS

Moderators: Fiona Rohlffs, MD
Timur P. Sarac, MD
Frank J. Veith, MD

- 1:00 – 1:05 Value, Limitations And Technical Tips For Using The Nellix Endograft For Ruptured AAAs
Tal M. Hörer, MD, PhD
- 1:06 – 1:11 The Incidence Of Ruptured AAAs Is Decreasing And So Is Their Mortality: Why Are These 2 Facts So
Ross Milner, MD
- 1:12 – 1:17 Statins Decrease The Growth Rate And Rupture Risk Of AAAs As Well As The Perioperative Mortality: Who Should Receive Them, When And At What Dose
Thomas L. Forbes, MD
- 1:18 – 1:23 Impact Of Weekends On Treatment Method (Endo Versus Open Repair) And Outcomes (Early And Late) Of Treatment For Ruptured AAAs
Sebastian E. Debus, MD, PhD
- 1:24 – 1:29 Long-Term Results Of The AJAX RCT Comparing EVAR With Open Repair For Ruptured AAAs: EVAR Wins In The End – Especially In Patients >80
Willem Wisselink, MD
- 1:30 – 1:35 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
- 1:36 – 1:41 Emergency Treatment As Aortic Rupture From Chronic TBAD Using The Candy Plug Technique: Technical Tips And Results
Daniela Branzan, MD
- 1:42 – 1:47 EVAR Is A Better Treatment For Ruptured AAAs Than Open Repair In Most Patients: The Mortality Benefit Of EVAR Is Increasing More Recently: Based On A Meta-Analysis
George A. Antoniou, MD, PhD, MSc

1:48 – 1:53 **DEBATE:** With Ruptured Complex AAAs And TAAAs, Off-The-Shelf F/B/EVAR Is The Best Treatment
Mark A. Farber, MD

1:54 – 1:59 **DEBATE:** Not So: With Ruptured Complex AAAs And TAAAs Parallel Grafts Are Simpler, More Effective And Less Costly
Konstantinos P. Donas, MD
(Power Point Presentation With Synched Audio)

2:00 – 2:06 Panel Discussion

SESSION 48 (LECTURE HALL 1 - Bonnet Creek Ballroom)

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

Moderators: Keith D. Calligaro, MD
Manish Mehta, MD, MPH

NEW DEVELOPMENTS IN AAA SCREENING

2:06 – 2:11 Why The Current US PSTF Guidelines For AAA Screening Are Insufficient: Many At Risk Patients Are Not Screened
Malachi Sheahan, MD

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
Marc L. Schermerhorn, MD

2:18 – 2:23 Flaws In AAA Screening In Finland Result In AAA Ruptures In Patients Too Young For Screening And Whose AAAs Are Too Small To Reach Threshold For Repair
Maarit Venermo, MD, PhD

2:24 – 2:29 Why AAA Screening Should Be Expanded To More Females, Younger Men And Older Men
Thomas F.X. O'Donnell, MD

MORE ABOUT AAA RUPTURES AND THEIR TREATMENT

- 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 AAAs With EVAR: The Orebro And Zurich Experience Shows It Is The Best Treatment And Lowers The Turndown Rate
Mario L. Lachat, MD
David McGreavy, MD
Thomas Larzon, MD, PhD
- 2:42 – 2:47 Update On Status Of Retrograde And Prograde In Site Fenestration For Arch Aneurysms And TAAAs: How To Do Them
Jean M. Panneton, MD
- 2:48 – 2:53 Open Repair For AAAs Should Not Be Used In Patients >80 Unless Their AAA Is >6 cm And They Are At Risk Of Rupture Or Ruptured: These Restrictions Do Not Apply To EVAR
Hence J.M. Verhagen, MD, PhD
- 2:54 – 2:59 When Should Ruptured AAA Patients Be Transferred: Should They Ever Be Denied Invasive Treatment
Matthew W. Mell, MD, MS
- 3:00 – 3:10 Panel Discussion
- 3:10 – 3:30 Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 49 (LECTURE HALL 1 - Bonnet Creek Ballroom) EXCITING NEW OR UPDATED CONCEPTS, TECHNIQUES AND TREATMENTS

Moderators: Timur P. Sarac, MD
Reese A. Wain, MD

- 3:30 – 3:35 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
Janet T. Powell, MD, PhD
- 3:36 – 3:41 Transradial Approaches For Complex Lower Extremity Interventions: CTSOs, Iliac, Fempop And BTK Lesions Can Be Treated: How To Make Them Work And Precautions: Advantages Of The Terumo R₂P System
David O'Connor, MD
(Power Point Presentation With Synched Audio)
- 3:42 – 3:47 Transcatheter Bariatric Embolotherapy: Early And Long-Term Results From A Randomized Study
Nicholas Kipshidze, MD, PhD
- 3:48 – 3:53 The Spur Stent System (Reflow Medical): A Temporary Stent With Pins To Penetrate The Arterial Wall And Facilitate DCB Drug Delivery: How Does It Work And Results To Date
Marianne Brodmann, MD
Gunnar Tepe, MD
Andrew Holden, MBChB
Thomas Zeller, MD
- 3:54 – 3:59 The Serranator Balloon Catheter (From Cagent Vascular) For Vessel Prep In BTK Arteries: It Makes Microserrations And Prevents Dissections With PTA: Current Status: The PRELUDE BTK Trial
Andrew Holden, MBChB
(Power Point Presentation With Synched Audio)
- 4:00 – 4:05 What Is The OR Black Box System For Measuring Endovascular Operator Performance: How Does It Work And Should It Be In Every Hybrid Angio Suite
Isabelle Van Herzeele, MD, PhD

- 4:06 – 4:11 Update On A Clampless Sutureless Technique For Performing Aorto-Iliac Anastomosis Using Endograft Connectors: The VORTEC Technique – Useful When Arterial Control And Suturing Is Impossible
Mario L. Lachat, MD
- 4:12 – 4:17 Technical Tips For Safe Endovascular Treatment Of Hepatic Artery Stenosis After Liver Transplantation
W. Charles Sternbergh III, MD
- 4:18 – 4:23 Current Status Of Left Gastric Embolization To Treat Obesity: Where Is It And What Will Its Role Be
Robert E. Beasley, MD
- 4:24 – 4:29 The Many Possible Uses Of Femoral Veins For Arterial Procedures: How To Harvest Them Safely
Timur P. Sarac, MD
- 4:30 – 4:38 Panel Discussion

SESSION 50 (LECTURE HALL 1 - Bonnet Creek Ballroom)
PROGRESS IN RADIATION SAFETY AND MORE NEW CONCEPTS, DEVICES AND TECHNIQUES

Moderators: Robert A. Lookstein, MD, MHCDL
Glenn Jacobowitz, MD

PROGRESS IN RADIATION SAFETY

- 4:38 – 4:43 Endovascular Team Radiation Safety Performance: How To Monitor It: It Is More Than Dose Measurement
Isabelle Van Herzeele, MD, PhD
- 4:44 – 4:49 What Is New In Radiation Safety: ESVS Radiation Safety Guidelines And Why Chromosomal Aberrations In High Volume Endovascular Operators Matters
Bijan Modarai, PhD

4:50 – 4:55 Simple Radiation Protection Techniques For All Interventionalists
To Use
 Ripal T. Gandhi, MD

NEW CONCEPTS, ETC.

4:56 – 5:01 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

5:02 – 5:07 Value Of Repetitive Digital Photo Documentation Of The Ischemic
Foot: It Improves Decisions And Outcomes
 Martin Malina, MD, PhD

5:08 – 5:13 COVID-19 Virus Has Been Identified In Periaortic Fat: What Is Its
Significance
 Kak Khee Yeung, MD, PhD

5:14 – 5:25 Panel Discussion

End of Program E

PROGRAM F

(Sessions 51-59) 7:00 A.M. – 5:30 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: LECTURE HALL 2 - FLORIDIAN BALLROOM

SESSION 51 (LECTURE HALL 2 - Floridian Ballroom)

NEW OR IMPROVED DEVICES FOR INFRARENAL AAA REPAIR WITH STANDARD EVAR (5-MINUTE TALKS)

Moderators: Kim J. Hodgson, MD
Rossi M. Silva, MD
Enrico Ascher, MD

- 7:00 – 7:05 Treo Endograft (Terumo Aortic) For Standard Infrarenal EVAR: Approval In US And Japan
Matthew J. Eagleton, MD
- 7:06 – 7:11 Real World Outcomes With The TREO Endograft (Terumo Aortic): Preliminary Results From The TIGER Registry
Vicente Riambau, MD
(Power Point Presentation With Synched Audio)
- 7:12 – 7:17 Status In The US Of The Gore Conformable Excluder With Variable Neck Angulation Control For AAAs With Imperfect Necks
Robert Y. Rhee, MD
- 7:18 – 7:23 Status Of The Gore Conformable Excluder For EVAR In Europe: Results From The EXCEL And BSET Registries
Marc R.H.M. van Sambeek, MD, PhD
Colin D. Bicknell, MD

- 7:24 – 7:29 When Does The Gore Conformable Excluder For EVAR Really Make A Difference: How Does It Work
Richard G.J. Gibbs, FRCS
Michael P. Jenkins, MBBS, BSc, MS
- 7:30 – 7:35 Altura Endograft With Kissing Proximal Stents For Standard EVAR: Advantages And Limitations: From An Experience With 150 Patients And Up To 5-Year Follow-Up
Dainis K. Krievins, MD
- 7:36 – 7:41 Advantages And Limitations Of The Cook ZENITH Alpha Endograft For EVAR: Based On European Multicenter Experience
Philippe W.M. Cuypers, MD, PhD
Marc R.H.M. van Sambeek, MD, PhD
- 7:42 – 7:47 How And Why Do The Endurant Endograft Results For EVAR In France Differ From The Global Results: What Are The Implications
Jean-Pierre Becquemin, MD
- 7:48 – 7:53 AAA Repairs With The Endurant Endograft Outside The IFU Can Provide Acceptable Results In Some Patients: When Is This So And When Not
Marc R.H.M. van Sambeek, MD, PhD
- 7:54 – 7:59 Update On The LEOPARD RCT Results Show That AFX Endografts Compare Favorably To Standard Proximally Fixed Endografts For AAA Repair
Christopher J. Kwolek, MD, MBA
- 8:00 – 8:12 Panel Discussion

SESSION 52 (LECTURE HALL 2 - Floridian Ballroom)
NEW OR UPDATED DEVICES FOR STANDARD EVAR, EVAS
(ENDOVASCULAR ANEURYSM SEALING) AND F/EVAR

Moderators: Jerry Goldstone, MD
Ramon Berguer, MD, PhD

- 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 3-4-Year Results From The New Zealand Experience Show Advantages
Sean P. Lyden, MD
Andrew Holden, MBChB
- 8:18 – 8:23 Combination Of Ovation Endograft And Bare Metal Renal Stent For Difficult AAA Neck Unsuitable For F/EVAR
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 Devices' Future
Dainis K. Krievins, MD
- 8:30 – 8:35 Update On Multicenter Results With F/EVAR Using The Fenestrated Anaconda Endograft: From The Global FACT Registry: Advantages And Limitations
Clark J. Zeebregts, MD, PhD
Michel M.P. Reijnen, MD, PhD
- 8:36 – 8:41 Update On The Incraft Endograft For Standard Infrarenal EVAR: Is Its Low Profile An Advantage
Matteo Orrico, MD
Nicola Mangialardi, MD
(Power Point Presentation With Synched Audio)
- 8:42 – 8:47 Long-Term Outcomes Of The Cook pBranch OTS Device For F/EVAR: Advantages And Limitations
Timothy A. Resch, MD, PhD
- 8:48 – 8:58 Panel Discussion
- 8:58 - 9:24 Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 53 (LECTURE HALL 2 - Floridian Ballroom)

NEW OR IMPROVED DEVICES FOR THE ASCENDING AORTA, THE AORTIC ARCH OR NEAR THE ARCH

Moderators: Michel Makaroun, MD
Rodney A. White, MD

- 9:24 – 9:29 Nexus OTS Endograft From Endospan For Treating Zone 1 Lesions Of The Aortic Arch: How Does It Work And 2-Year Clinical Results: Status In The US
Ross Milner, MD
Daniel G. Clair, MD
Andrew Holden, MBChB
- 9:30 – 9:35 Outcomes Of The Custom Relay Ascending Aorta Endograft (Terumo Aortic): The European Experience
Vicente Riambau, MD, PhD
Afshin Assadian, MD
Mo S. Hamady, MD
(Power Point Presentation With Synched Audio)
- 9:36 – 9:41 Status In The US Of The RelayBranch Investigational Device 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
- 9:42 – 9:47 Long-Term Safety And Durable Effectiveness Of Relay (Terumo Aortic) Scalloped Endograft For TEVAR Treatment Of Lesions In Or Near The Aortic Arch
Mo S. Hamady, MBChB
Jean-Marc Alsac, MD, PhD
(Power Point Presentation With Synched Audio)
- 9:48 – 9:53 Status In The US Of The Gore Conformable CTAG Endograft With Variable Angulation Control In The Aortic Arch: How Does It Work And Advantages
Jean Bismuth, MD

- 9:54 - 9:59 When And How To Use The Gore Conformable CTAG Endograft Optimally: Are There Downsides
Sukgu Han, MD
- 10:00-10:05 Indications, Value And Limitations Of Single Branched TEVAR Devices For Revascularizing The Left Subclavian Artery: Are They Worth The Effort And Cost
Gustavo S. Oderich, MD
- 10:06-10:15 Panel Discussion

SESSION 54 (LECTURE HALL 2 - Floridian Ballroom)
NEW OR IMPROVED DEVICES FOR THORACIC AORTIC LESION REPAIRS (TEVAR) AND FOR THORACOABDOMINAL ANEURYSM (TAAA) REPAIRS (ALL TALKS ARE 4 ¾-MINUTES)

Moderators: Giovanni B. Torsello, MD
James F. McKinsey, MD

DEVICES FOR TEVAR

- 10:15-10:20 Low Profile Devices For TEVAR: Advantages And Disadvantages Based On Long-Term Results
Giovanni B. Torsello, MD
- 10:20-10:25 6-Year Experience With The Cook ZENITH Alpha Thoracic Endograft For TEVAR In 400 Patients: How To Achieve Long-Term Durably Good Results
Germano Melissano, MD
Roberto Chiesa, MD
(Power Point Presentation With Synched Audio)
- 10:25-10:30 Long-Term Outcomes Of TEVAR For Repair Of Traumatic Aortic Injuries From The RESCUE U.S. IDE Clinical Trial
Ali Azizzadeh, MD
- 10:30-10:35 Endoanchors To Improve Outcomes With TEVAR: They Can Help Distally As Well As Proximally
Ross Milner, MD

- 10:35-10:40 Tips And Tricks Of Endoanchors Application After TEVAR (TESAR)
Giovanni G.T. Tinelli, MD, PhD
Yamume Tshomba, MD
- 10:40-10:46 Panel Discussion
- 10:46-10:51 The Relay Pro (Terumo Aortic) Endograft For TEVAR And Its Advantages In Treating TBADs: Why Is It Better Than The Older Relay Plus Device
Edward Y. Woo, MD
Steven D. Abramowitz, MD
- 10:51-10:56 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
- 10:56-11:01 Relay Endografts (Terumo Aortic) For TEVAR: Why Do They Provide Better Wall Apposition For Sealing
Fadi Taher, MD
Afshin Assadian, MD
(Power Point Presentation With Synched Audio)
- 11:01-11:06 European Experience With The Gore CTAG Conformable Endograft For TEVAR With Variable Angulation Control Proximally: When And How Does It Improve Results
Vicente Rimbau, MD, PhD
(Power Point Presentation With Synched Audio)
- 11:06-11:11 New Polymer Filled Low Profile Endograft Device With O-Ring Sealing: How Does It Work And Why Is It Better
Piotr Szopinski, MD, PhD
- 11:11-11:17 Panel Discussion

NEW OR IMPROVED ENDO DEVICES FOR TAAA REPAIRS

- 11:17-11:22 To Treat Complex TAAAs A Combination Of A Relay (Terumo) TEVAR And A Fenestrated Anaconda Is Best: How Are The SMA And Celiac Axis Revascularized
Mo Hamady, MBChB
- 11:22-11:27 Status Of The Cook t-Branch OTS Endograft For TAAA Repairs: Advantages And Limitations Based On A Meta-Analysis
Nikolaos Tsilimparis, MD, PhD
- 11:27-11:32 Comparison Of 3 OTS Endografts For Urgent TAAA Repairs: TAMBE (Gore) Versus E-nside (Jotec) Versus t-Branch (Cook): Advantages And Disadvantages Of Each
Luca Bertoglio, MD
Germano Melissano, MD
Roberto Chiesa, MD
(Power Point Presentation With Synched Audio)
- 11:32-11:37 Valiant Manifold OTS Endograft (Medtronic) Device For Repairing TAAAs: How Does It Work And Early Clinical Experience In The US
Murray L. Shames, MD
- 11:37-11:42 Unitary Manifold Endograft System For Complex Type 4 TAAAs And Failed EVARs: How Does It Work And 2-Year Results
Patrick W. Kelly, MD
- 11:42-11:47 Novel OTS Life Tech Endograft For TAAA Repair: How Does It Work And What Makes It Different
Ralf R. Kolvenbach, MD
(Power Point Presentation With Synched Audio)
- 11:48-12:00 Panel Discussion
- 12:00- 1:00 Lunch Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 55 (LECTURE HALL 2 - Floridian Ballroom)
NEW OR UPDATED INFORMATION ON BALLOON EXPANDABLE COVERED STENTS, LOWER EXTREMITY PROSTHETIC GRAFTS, BIORESORBABLE GRAFTS, PERIGRAFT SEROMA AND VALUE OF A PROSTHETIC PERIGRAFT SIROLIMUS PATCH [SEE ALSO SESSION 28] ALL TALKS ARE 5 MINUTES)

Moderators: Ali F. AbuRahma, MD
Patrick J. Lamparello, MD

STENT-GRAFTS

- 1:00 – 1:05 Why Are VBX Balloon Expandable Stent-Grafts (From Gore) Different And Better Than Other Covered Stents In Various Vascular Beds
James F. McKinsey, MD
- 1:06 – 1:11 Safety Of MRI Early After Deployment Of Various Covered Stents
Maria Antonella Ruffino, MD

PROSTHETIC GRAFTS

- 1:12 – 1:17 Final 3-Year Results Of The ZILVERPASS RCT Comparing Prosthetic PTFE Bypasses With Zilver PTX (Cook) Stents To Treat Long Fempop Lesions: Should Open Prosthetic Bypass Be Abandoned
Michel J. Bosiers, MD
Marc Bosiers, MD
- 1:18 – 1:23 The 3DH Spiral Flow Prosthetic Graft: Does It Prevent Neointimal Hyperplasia In Leg Bypasses Or A-V Access
Hosam F. El Sayed, MD
- 1:24 – 1:29 Heparin Coated (Propaten) PTFE Grafts (Gore) Versus Autologous Vein Grafts For Bypasses To Targets Above And Below The Knee: Are The Heparin Coated Grafts Worth The Cost
David J. Dexter, MD

- 1:30 – 1:35 Bioabsorbable Arterial Grafts (Xeltis Grafts): How Do They Work And What Is Their Potential
Frans L. Moll, MD, PhD
(Power Point Presentation With Synched Audio)
- 1:36 – 1:41 Perigraft Seromas After PTFE Lower Extremity And Aortic Arterial Grafts: Frequency, Etiology And What To Do About Them
Jae S. Cho, MD
- 1:42 – 1:47 Update On External Sirolimus Patch Wrap-Around For PTFE Graft Anastomoses: Do They Decrease Neointimal Hyperplasia
Sriram S. Iyer, MD
- 1:48 – 1:54 Panel Discussion

SESSION 56 (LECTURE HALL 2 - Floridian Ballroom)
NEW OR IMPROVED ENDOVASCULAR DEVICES FOR LOWER EXTREMITY TREATMENTS: ATHERECTOMY, STENTS, TACKS, ACCESSORIES, ETC. (SEE ALSO SESSIONS 23-27)

Moderators: Kenneth Ouriel, MD, MBA
 Enrico Ascher, MD

ATHERECTOMY RELATED TOPICS

- 1:54 – 1:59 Complications Of Atherectomy: How To Prevent Some, How To Treat The Others
Theodosios Bisdas, MD
- 2:00 – 2:05 Value And Limitations Of 355 nm Auryon B-Laser™ (From AngioDynamics): It Enables Safe Crossing Of Difficult Lesions Not Crossed With A Guidewire: How Does It Work And Clinical Results
Luis R. Leon, Jr., MD, RVT
- 2:06 – 2:11 Orbital And Laser Atherectomy: Indications, Advantages And Precautions With Above Knee BTK De Novo Lesions And ISR
Craig M. Walker, MD

2:12 – 2:17 Value Of Atherectomy And DCBs: Interim Results Of The REALITY Trial
Brian G. DeRubertis, MD

ANCILLARY TECHNIQUES

2:18 – 2:23 Value of Wingman Catheter (Reflow Medical) For Crossing Difficult Lesions: How Does It Work And Results
John R. Laird, MD

2:24 – 2:29 Value of New Dedicated Special Tools And Devices To Facilitate Trans-Radial Access For Lower Extremity Lesion Treatments: How Far Distally Can It Be Effective
Ramon L. Varcoe, MBBS, MS, PhD

NEW INFORMATION ON STENTS

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

2:36 – 2:41 Value Of The Supera VMI Stent For Common Femoral Artery (CFA) Occlusive Lesions: Better Than Endarterectomy: 2-Year Results And Status Of The SUPERSURG RCT (Versus Open Surgery)
Brian G. DeRubertis, MD

2:42 – 2:52 Panel Discussion

2:52 – 3:18 Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 57 (LECTURE HALL 2 - Floridian Ballroom) NEW OR IMPROVED ENDOVASCULAR DEVICES FOR LOWER EXTREMITY TREATMENTS: ANGIOPLASTY BALLOONS

Moderators: John R. Laird, MD
Kenneth Ouriel, MD, MBA

- 3:12 – 3:17 Chocolate Touch DCBs (From TriReme Medical): How Do They Work, Advantages And Updated Clinical Results
Andrew Holden, MBChB
(Power Point Presentation With Synched Audio)
- 3:18 – 3:23 Unfavorable Balloon (Candy) Wrap Can Cause Dissections With Angioplasty: What Is The Mechanism: How Can It Be Recognized And Dissection Avoided: The Chocolate DCB Is One Way
Jos C. van den Berg, MD, PhD
- 3:24 – 3:29 Update On The TANGO Trial Using The Bullfrog Balloon Device (Mercator Medical Systems) To Inject Sirolimus Drug Into Lesion Wall Before Angioplasty: How Does It Work And Results
Ehrin Armstrong, MD
(Power Point Presentation With Synched Audio)
- 3:30 – 3:35 The Importance Of Dissection In Angioplasty Treatment Of BTK Lesions: How To Prevent And Treat Such Dissections: The Value Of Tacks (From Intact Vascular): How Do They Work
Andrew Holden, MBChB
(Power Point Presentation With Synched Audio)
- 3:36 – 3:41 24-Month Results Of TOBA II BTK Trial Of The Tack Device To Decrease Dissections With Balloon Angioplasty Of BTK Lesions Show Safety And 94.7% Target Limb Salvage
Patrick J. Geraghty, MD
- 3:42 – 3:49 Panel Discussion

SESSION 58 (LECTURE HALL 2 - Floridian Ballroom)

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

Moderators: William D. Jordan Jr., MD
Jean M. Panneton, MD

- 3:49 – 3:54 Prophylactic Endoanchors (Medtronic) With TEVAR For Complex Anatomy Improves Outcomes: Technical Tips For Their Use In TEVAR
Jean M. Panneton, MD
- 3:55 – 4:00 New Developments From The ANCHOR Registry With Over 5 Years Of Follow-Up Show The Value Of Endoanchors When Used Prophylactically For Certain Indications Prevent Endoleaks And Migration: What Are Those Indications
William D. Jordan Jr., MD
- 4:01 – 4:06 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
(Power Point Presentation With Synched Audio)
- 4:07 – 4:12 Vesteck – The Next Generation Of Endoanchor Technology: How Does It Work And Where Does It Stand
David H. Deaton, MD
- 4:13 – 4:18 Balloon Optimized Molding For Better Deployment And Sealing Of Ovation Alto Low Profile Endografts For EVAR: How To Do It And How It Helps Prevent Endoleaks and Migration
David J. Minion, MD
- 4:19 – 4:25 Panel Discussion

SESSION 59 (LECTURE HALL 2 - Floridian Ballroom)
NEW OR IMPROVED ENDOVASCULAR DEVICES FOR CLOT REMOVAL OR EMBOLIZATION (SEE ALSO SESSION 30)

Moderators: James F. Benenati, MD
Neal S. Cayne, MD

CLOT REMOVING DEVICES

- 4:25 – 4:30 Percutaneous Embolectomy Or Thrombectomy With The Indigo System (From Penumbra): What Makes It Different, Technical Tips, Results And Limitations
David J. Dexter, MD
- 4:31 – 4:36 Newer Pharmaco-Mechanical Endovascular Clot Removal Systems: When And Why Is Each Device Best To Use
Guillermo A. Escobar, MD
- 4:37 – 4:42 Catheter Based Vacuum Assisted Thrombectomy 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

VASCULAR OCCLUSIVE DEVICES

- 4:43 – 4:48 Technical Tips For Effective Coil Embolization: Importance Of Dense Packing; Coils With Fibers Versus Plain Metal Coils; Value And Indications For Different Coils
James F. Benenati, MD
Constantino Pena, MD
- 4:49 – 4:54 Why Ruby Coils, The Penumbra Occlusion Device (POD) And Packing Coils Have Different Uses And Why They Are Valuable And Cost Effective For Different Lesions: Technical Tips For Optimizing
Sean P. Lyden, MD
- 4:55 – 5:00 Caterpillar™ Embolic Plug (From Bard): How Does It Work: Advantages And Clinical Results
Andrew Holden, MBChB
(Power Point Presentation With Synched Audio)

- 5:01 – 5:06 How To Treat Type 1A Endoleaks With Ruby Coils: When Will They Work; When Will They Not: Technical Tips
Mazin Foteh, MD
- 5:07 – 5:12 How To Insert Large Vessel Embolization Devices (PODs) Through Low Profile Access
Frank R. Arko, MD
- 5:13 – 5:18 Floating Clot At The Carotid Bifurcation Is A Prime Indication For Flow Reversal Technology During Treatment Of Carotid Stenosis: How Can Flow Reversal Best Be Achieved In This Setting
Juan C. Parodi, MD
Sherif A.H. Sultan, MD, PhD
(This presentation will be given by Dr. Sultan)
- 5:19 – 5:30 Panel Discussion

End of Program F

PROGRAM G

(Sessions 60-69) 8:00 A.M. – 5:50 P.M.

Superficial Venous Disease

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

Location: LECTURE HALL 3 - WALDORF ASTORIA GRAND BALLROOM A

SESSION 60 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A) VENOUS CLINICAL EXAMINATION AND HEMODYNAMICS

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

- 8:00 – 8:04 Introduction To Veins At VEITH
Jose I. Almeida, MD, RPVI, RVT
- 8:05 – 8:10 AVF CEAP Revision 2020
Marc A. Passman, MD
- 8:11 – 8:16 CEAP, VCSS, HASTI: Their Significance And How To Utilize
Lowell S. Kabnick, MD
- 8:17 – 8:22 Physiology Of Venous Return
Brajesh K. Lal, MD
- 8:23 – 8:28 Status Of The Evidence For C2 Intervention
Peter Gloviczki, MD
- 8:29 – 8:34 An Algorithm To Predict Disease Severity In C2 Patients
Mikel Sadek, MD
- 8:35 – 8:40 Evidence Summary On The Pathophysiology Of Varicose Veins
Thomas W. Wakefield, MD
- 8:41 – 8:46 CVD: A Clinical Approach Algorithm
Seshadri Raju, MD

- 8:47 – 8:52 Non-Venous Causes Of The Swollen Extremity
 Andrea T. Obi, MD
- 8:53 – 8:58 Quality Of Life Tools Reflect Disease Severity, But They Can Be
 Improved
 Alun H. Davies, MA, DM, DSc
- 8:59 – 9:04 Panel Discussion
- SESSION 61 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A)**
VENOUS IMAGING AND BIOLOGY
- Moderators:* Raghu Kolluri, MD
 Steve Elias, MD
- 9:05 – 9:10 1470nm Laser And Wound Care Trial
 Lorena Grillo, MD
- 9:11 – 9:16 Are They Venous Ulcers
 Raghu Kolluri, MD
- 9:17 – 9:22 Ambulatory Venous Pressure, Air Plethysmography, And The Role
 Of Calf Venous Pump In Chronic Venous Disease
 Seshadri Raju, MD
- 9:23 – 9:28 Does Deep Venous Reflux Matter With Superficial Ablation
 Peter Henke, MD
- 9:29 – 9:34 Value Of Coordinated Registry Network: Information Obtained
 Steve Elias, MD
- 9:35 – 9:40 Understanding Venous Physiology Helps Guide Therapy
 Fedor Lurie, MD
- 9:41 – 9:46 Panel Discussion

SESSION 62 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A)

SUPERFICIAL VEIN TREATMENT STRATEGIES AND TECHNIQUES

Moderators: Glenn Jacobowitz, MD
Alun H. Davies, MA, DM, DSc

- 9:47 – 9:52 Results Of Randomized Controlled Trial MOCA Versus Cyanoacrylate
Alun H. Davies, MA, DM, DSc
- 9:53 – 9:58 “Choosing Wisely” Items For Chemical Or Thermal Ablation In The Treatment Of The Incompetent Saphenous Veins And Recurrence
Claudine Hamel-Desnos, MD
- 9:59 -10:04 What Drugs Do I Recommend For Symptomatic Venous Disease
Jorge H. Ulloa, MD
- 10:05-10:10 Ablative Procedures And Cost Effectiveness
Alun H. Davies, MA, DM, DSc
- 10:11-10:16 SVT Treatment During Pregnancy: Treatment Choices
Ellen D. Dillavou, MD
- 10:17-10:22 Vein Histopathology: 5.5 Years After Cyanoacrylate Closure
Jose I. Almeida, MD, RPVI, RVT
- 10:23-10:28 Saphenous Ablation On Anticoagulation: Is It Safe, Effective And Durable
Glenn Jacobowitz, MD
- 10:29-10:34 Panel Discussion
- 10:35 – 10:50 Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 63 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A)

THERMAL AND NON-THERMAL ABLATION – PART 1

Moderators: Lowell S. Kabnick, MD
Kursat A. Bozkurt, MD

10:50-10:55 Decision Making In Saphenous Ablation: What To Use When
Ellen D. Dillavou, MD

10:56-11:01 HIFU: Is It Ready For Prime Time
Mark S. Whiteley, MD

11:02-11:07 Tips, Tricks And Limitations: HIFU
Mark S. Whiteley, MD

11:08-11:13 Tips, Tricks And Limitations: Perforator Ablation
Steve Elias, MD

11:14-11:19 Tips, Tricks And Limitations: Varithena
Edward G. Mackay, MD

11:20-11:25 Tips, Tricks, And Limitations: Laser Truncal Ablation
Lowell S. Kabnick, MD

11:26-11:31 Panel Discussion

SESSION 64 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A)

THERMAL AND NON-THERMAL ABLATION – PART 2

Moderators: Alan M. Dietzek, MD, RPVI
Gutenberg Gurgel, MD, MSc

11:32-11:37 Tips, Tricks, And Limitations: Liquid Sclerotherapy
Victor M. Canata, MD, PhD

11:38-11:43 Tips, Tricks And Limitations: Clarivein
Steve Elias, MD

- 11:44-11:49 Tips, Tricks And Limitations: VenaSeal
Alun H. Davies, MS, DM, DSc
- 11:50-11:55 Tips, Tricks And Limitations: Radiofrequency Ablation
Alan M. Dietzek, MD, RPVI
- 11:56-12:01 Tips, Tricks And Limitations: Brazilian Phlebectomy
Gutenberg A. Gurgel, MD, MSc
- 12:02-12:07 Tips, Tricks And Limitations: Phlebogrif
Lorena Grillo, MD
- 12:08-12:13 Safety And Efficacy Of Endovenous Ablations In Octogenarians,
Nonagenarians, And Centenarians
Anil P. Hingorani, MD
Enrico Ascher, MD
- 12:14-12:20 Panel Discussion
- 12:20 - 1:15 Lunch Break – Visit Exhibits And Pavilions (North, West,
Center and South Foyers)
- SESSION 65 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A)
SPIDER VEINS, TRUNCAL VEINS, TRIBUTARY VEINS, EXOTIC VEIN
TREATMENT**
- Moderators:* Kathleen D. Gibson, MD
Edward G. Mackay, MD
- 1:15 – 1:20 Foam Therapies (PCF Versus PEM): When To Use And Does It
Make A Difference
Edward G. Mackay, MD
- 1:21 – 1:26 Patient Preferences For Thermal Ablation Versus Non-Thermal,
Non-Tumescent Varicose Vein Treatments: A Choice-Based
Conjoint (CBS) Analysis
Peter J. Pappas, MD

- 1:27 – 1:32 Randomized Controlled Study Of EVLA And Foam In the SSV-Fovellass Study: 3-Year Results
 Claudine Hamel-Desnos, MD
- 1:33 – 1:38 CLACS In Paraguay Results Of The Aesthetic Phlebology Trial
 Victor M. Canata, MD, PhD
- 1:39 – 1:44 Superficial Ablation Outcomes (5 Years) In 13,000 Patients
 Peter J. Pappas, MD
- 1:45 – 1:50 Labial Varices: Choices And How I Do It
 Ellen D. Dillavou, MD
- 1:51 – 1:56 Which Saphenous Vein Recanalization Should Be Treated
 Kathleen D. Gibson, MD
- 1:57 – 2:02 Is Combination Therapy Laser And Sclerotherapy More Efficacious
 For Telangiectatic Treatment
 Gutenberg A. Gurgel, MD, MSc
- 2:03 – 2:08 Concomitant Versus Staged Tributary Treatment
 Kathleen D. Gibson, MD
- 2:09 – 2:14 Panel Discussion

SESSION 66 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A)

VENOUS SOCIETAL AND GOVERNANCE

Moderators: Kathleen J. Ozsvath, MD
 Harold J. Welch, MD

- 2:15 – 2:20 CMS And Commercial Policy Update On Non-Thermal Ablation
 Harold Welch, MD
- 2:21 – 2:26 The Future Of Venous Reimbursement In A Non-Fee For Service
 Environment
 Thomas F. O'Donnell, Jr., MD

- 2:27 – 2:32 Can We Use The Data From VQI VVR To Advocate For Coverage Of Venous Procedures
Nicholas H. Osborne, MD, MS
- 2:33 – 2:38 Results Of Appropriateness Criteria (AVF) I
Kathleen J. Ozsvath, MD
- 2:39 – 2:44 Results Of Appropriateness Criteria (AVF) II
Kathleen J. Ozsvath, MD
- 2:45 – 2:50 Ground Zero On 9/11: What Did We Learn
Mark A. Adelman, MD
- 2:51 – 2:56 Focused Practice Designation – Venous Disease Treatment
Brajesh K. Lal, MD
- 2:57 – 3:02 From The AVF And SVS: EHIT Recommendations
Lowell S. Kabnick, MD
- 3:03 – 3:12 Panel Discussion
- SESSION 67 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A)**
MORE SUPERFICIAL VEIN TREATMENT STRATEGIES AND TECHNIQUES
Moderators: Jose I. Almeida, MD, RPVI, RVT
Anil P. Hingorani, MD
- 3:13 – 3:18 Risk Factors For EHIT And Recanalization: An Analysis Of 10,000 Patients
Anil P. Hingorani, MD
- 3:19 – 3:24 Ablation Outcomes In Obese Patients
Peter J. Pappas, MD
- 3:25 – 3:30 Venolymphatic Edema And Its Treatment Options
Raghu Kolluri, MD

- 3:31 – 3:36 Radiofrequency Ablation Increases The Incidence Of Endothermal Heat Induced Thrombosis
 Anil P. Hingorani, MD
- 3:37 – 3:42 Varithena® VLU Registry: The Effects Of Polidocanol Endovenous Microfoam On Wound Healing And Recurrence
 Raghu Kolluri, MD
- 3:43 – 3:48 Saphenous Incompetence With Post-Thrombotic Deep Veins
 Jose I. Almeida, MD, RVT, RPVI
- 3:49 – 3:54 European College Of Phlebology Guideline for Truncal Ablation
 Kursat A. Bozkurt MD
- 3:55 – 4:00 Varicose Veins Among Klippel Trenaunay Syndrome: What You Should Know About
 Byung-Boong (B.B.) Lee, MD
- 4:01 – 4:10 Panel Discussion
- 4:10 – 4:25 Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 68 (LECTURE HALL 3 - Waldorf Ballroom A)
VENOUS CLINICAL TRIALS; LYMPHATIC AND VEIN TREATMENT STRATEGIES

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

- 4:25 – 4:30 What Articles Are JVS-VL Looking For and How Can You Write A Paper That Will Be Accepted And Published
 Peter Gloviczki, MD
- 4:31 – 4:36 Unilateral, Bilateral, Staged Endovenous Ablation – VQI Data
 Nicholas H. Osborne, MD, MS

- 4:37 – 4:42 Is Saphenous Vein Stripping A Cost-Effective Treatment
Lourdes Reina, MD
- 4:43 – 4:48 The Recalcitrant Ulcer: Our 52-Week Analysis
Thomas F. O'Donnell, Jr., MD
- 4:49 – 4:54 Correlation Amongst Transabdominal/Transvaginal Duplex Versus
Venography For Pelvic Venous Insufficiency And Leg Varicosities
Lourdes Reina, MD
- 4:55 – 5:00 Treating Low And Moderate Severity Venous Disease Is Beneficial
– Data From The VQI VVR
Nicholas H. Osborne, MD, MS
- 5:01 – 5:06 What Venous Trials Do We Need
Mark H. Meissner, MD
- 5:07 – 5:12 Panel Discussion

SESSION 69 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A)
LIPDEMA, LYMPHEDEMA, PHLEBOLYMPHEDEMA

Moderators: Thomas F. O'Donnell, Jr., MD
Steven M. Dean, DO

- 5:13 – 5:18 Diagnosis Of Lipedema And Treatment
Steven M. Dean, DO
- 5:19 – 5:24 Overview Of Lymphatic Anatomy, Physiology And Imaging
Techniques
Thomas F. O'Donnell, Jr., MD
- 5:25 – 5:30 Phlebolymphe'dema: Hallmark Of Combined Insufficiency Of
Venous-Lymphatic System
Byung-Boong (B.B.) Lee, MD
- 5:31 – 5:36 Clinical Characteristics Of Lower Extremity Lymphedema
Steven M. Dean, DO

5:37 – 5:42 Advanced Pneumatic Compression: Continued Improvement In
Quality Of Life
 Thomas S. Maldonado, MD

5:43 – 5:50 Panel Discussion

End of Program G

PROGRAM H

(Sessions 70-72) 7:45 A.M. – 12:10 P.M.

Cerebrovascular Disease And Its Treatment

Course Leader: Allan L. Brook, MD

Location: LECTURE HALL 4 - FLORIDIAN BALLROOM, SALON H

SESSION 70 (LECTURE HALL 4 - Floridian Ballroom)

STROKE 2021 INCLUDING COVID

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

- 7:45-7:50 Introduction
Allan L. Brook, MD
- 7:51 – 8:01 Lessons Learned On Patient Selection For Acute Stroke Treatment
Michael D. Hill MD
- 8:02 – 8:12 Innovative And Novel Stroke Therapies That Are In The Pipeline
Michael D. Hill MD
- 8:13 – 8:23 COVID-19 Overview Of What Happened
Seon-Kyu Lee, MD, PhD
- 8:24 – 8:34 Long-Term Effects Of Stroke: COVID-19 Is Here To Stay
Reade A. De Leacy, MBBS
- 8:35 – 8:45 How CSC/Organized Medicine Helped Prepare Us For The COVID Onslaught
Ansaar T. Rai, MD
- 8:45 – 8:50 Collateral Physiologic Flow: Our Friends And Our Foes
Allan L. Brook, MD
- 8:50 – 9:00 Panel Discussion
- 9:00 – 9:10 Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 71 (LECTURE HALL 4 - Floridian Ballroom)

CAROTIDS AND REVASCULARIZATION

Moderators: Evan C. Lipsitz, MD, MBA
Joshua A. Hirsch, MD

- 9:11 – 9:21 Carotid Revascularization: Observations Of Change Over The Course Of A Career
Adnan H. Siddiqui, MD
L. Nelson Hopkins, MD
(Power Point Presentation With Synched Audio)
- 9:22 – 9:33 Medical Management Of Carotid Disease
Michael D. Hill, MD
- 9:33 – 9:43 TCAR: Technical Pearls: Why It's The Latest Trending Vascular Procedure
Mahmoud B. Malas, MD, MHS
- 9:44 – 9:54 TCAR: Why Not Just Do An Endarterectomy
Marc L. Schermerhorn, MD
- 9:55-10:05 Pooled Analysis With Greater Power From The CREST And ACT I Trials With Asymptomatic Patients Clarifies The CREST Conclusion: Sex Makes No Difference Between CEA And CAS While Oldest Age Group Demonstrates Worse Results With CAS
Jon S. Matsumura, MD
Bret M. Hanlon, MD
- 10:06-10:30 Panel Discussion
- 10:30-10:40 Break - Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 72 (LECTURE HALL 4 - Floridian Ballroom)

INTRACRANIAL HEMORRHAGE

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

- 10:40-10:50 Hemicraniectomy: Why It Is Not A Lost Art, And Benefits
Adam S. Arthur, MD
- 10:51-11:01 Devices Are The Next Generation Of Aneurysm Treatment Or Is It
Prevention
Ajay K. Wakhloo, MD, PhD
- 11:02-11:12 Intrasaccular Devices: Overview And Indications
David J. Altschul, MD
- 11:13-11:23 Unruptured Aneurysms: Why Do We Treat These
James Milburn, MD
- 11:24-11:34 Intracranial Hemorrhage: Open Or Closed Treatment-Decision
Tree
Brian L. Hoh, MD
- 11:35-11:45 Sub-Dural Hemorrhage Endovascular Therapy: Trials And
Tribulations
Adam S. Arthur, MD
- 11:46-11:56 Cerebrovascular Vascular Malformation Classification And
Management Decisions
Wayne F. Yakes, MD
- 11:57-12:10 Panel Discussion
- 12:11- 1:00 Lunch – Visit Exhibits And Pavilions (North, West, Center
and South Foyers)

End of Program H

FRIDAY, NOVEMBER 19, 2021

6:00 A.M. General Registration – Bonnet Creek Ballroom – North Foyer

6:00 A.M. Faculty Registration – Bonnet Creek Ballroom – Salon I

6:15 A.M. Continental Breakfast – Bonnet Creek Ballroom – North, West, Center and South Foyers

PROGRAM I

(Sessions 73-80) 7:00 A.M. – 4:45 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), Carotid Clot And More Carotid Topics; Other New Endovascular Treatment Concepts, Techniques; Update On Percutaneous Access Closure Devices And Wound Care

Location: LECTURE HALL 1 - BONNET CREEK BALLROOM

SESSION 73 (LECTURE HALL 1 - Bonnet Creek Ballroom)

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

Moderators: Richard P. Cambria, MD
Christian D. Etz, MD

7:00 – 7:05 A Multidisciplinary Approach To Prevent SCI During Endovascular TAAA Repairs
Patrick W. Kelly, MD

7:06 – 7:11 Strategies To Minimize Paraplegia After TAAA Repairs: How A Biomarker Can Help
Bijan Modarai, PhD
Adam Beck, MD

- 7:12 – 7:17 Cerebrospinal Fluid (CSF) Drainage (To Decrease SCI) Is Not A Benign Procedure: Why: When Not And When To Use It
Gustavo S. Oderich, MD
(Power Point Presentation With Synched Audio)
- 7:18 – 7:23 SCI Is More Severe And Resolves Less When Routine CSF Drainage Is Used With TAAA Repairs: When Should It Be Used Selectively And With What Precautions
Adam Beck, MD
- 7:24 – 7:29 Near Infrared Spectrometry (NIRS) Monitoring Is Helpful In Decreasing SCI With TAAA Repairs: How To Do It: Why Is There Controversy
Carlos H. Timaran, MD
- 7:30 – 7:35 Current Strategies To Minimize SCI With TAAA Repairs, Endo And Open: Status Of Intercostal Embolization As Preconditioning To Prevent Ischemia (MIS2ACE): Status Of PAPA-ARTIS RCT
Christian D. Etz, MD, PhD
- 7:36 – 7:41 Clinical Experience With Intercostal Coil Embolization (MIS2ACE) To Prevent SCI With Endovascular TAAA Repair
Daniela Branzan, MD
Christian D. Etz, MD, PhD
Andrej Schmidt, MD
- 7:42 – 7:50 Panel Discussion

SESSION 74 (LECTURE HALL 1 - Bonnet Creek Ballroom)
NEW DEVELOPMENTS IN THE TREATMENT OF CAROTID STENOSIS WITH MESH COVERED STENTS AND TRANSCERVICAL CAROTID ARTERY REVASCULARIZATION (TCAR)

Moderators: Frank J. Veith, MD
Klaus D. Mathias, MD

MESH COVERED STENTS

- 7:50 – 7:55 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
Max Amor, MD
(Power Point Presentation With Synched Audio)
- 7:56 – 8:01 Advantages And Limitations Of Mesh Covered Stents In CAS: Are They Really Better
Laura Capoccia, MD, PhD
- 8:02 – 8:07 7-Year Experience With Micromesh Stents For CAS: Are There Downsides (Thrombosis Or ISR): Technical Tips To Optimize Their Results
Stefan Müller-Hülsbeck, MD
(Power Point Presentation With Synched Audio)
- 8:08 – 8:13 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
Piotr Musialek, MD, DPhil
D. Christopher Metzger, MD

TCAR RELATED TOPICS

- 8:14 – 8:19 TCAR Versus CEA (Carotid Endarterectomy): A Propensity Matched SVS VQI Study: 1-Year Results Show Equal Stroke/Death Rates And Decreased Cranial Nerve Injuries With TCAR: Findings Also Confirmed By A Meta-Analysis
Mahmoud B. Malas, MD, MHS
Marc L. Schermerhorn, MD

- 8:20 – 8:25 TCAR Versus Transfemoral CAS (TFCAS): A Propensity Matched SVS VQI Study Shows That TCAR Has Lower Stroke And Death Rates Than TFCAS
Marc L. Schermerhorn, MD
Mahmoud B. Malas, MD, MHS
Vikram S. Kashyap, MD
- 8:26 – 8:31 Why I Am Uncertain That TCAR Will Have Better Outcomes Than TFCAS: What Does The CREST 2 Registry Show
Thomas G. Brott, MD
William A. Gray, MD
Giancarlo Biamino, MD, PhD
- 8:32 – 8:37 **DEBATE:** For TFCAS Reversal Or Cessation Of Flow With The Gore Or MoMA Device Cerebral Embolic Protection Is No Better Than Filter Protection: Why Is This So
Marc L. Schermerhorn, MD
- 8:38 – 8:43 **DEBATE:** Not So: In Some Specific Circumstances Reversal Or Cessation Of Flow Protection During TFCAS Is Better And Safer Than Filter Protection
William A. Gray, MD
Giancarlo Biamino, MD, PhD
- 8:44 – 8:49 Based On Data To Date When Should TCAR Replace CEA And When Should It Not: A Balanced View
Vikram S. Kashyap, MD
- 8:50 – 8:55 TCAR Seems Better Than TFCAS And Equal To CEA: It Has A Bright Future: What Are Its Drawbacks
Wesley S. Moore, MD
- 8:56 – 9:04 Panel Discussion
- 9:04 – 9:17 Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 75 (LECTURE HALL 1 - Bonnet Creek Ballroom)

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

Moderators: Enrico Ascher, MD
Peter A. Schneider, MD
John H. Furtek, BS, RT(r)

9:17 – 9:22 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

9:23 – 9:28 **DEBATE:** TCAR Is Not Hard To Learn: Results Are Unrelated To
Operator Experience In ROADSTER 2 Trial

Vikram S. Kashyap, MD

9:29 – 9:34 **DEBATE:** Not So: TCAR Has A Steeper Learning Curve Than
Commonly Thought: Some Precautions To Prevent Adverse Events

Michael B. Silva, Jr., MD

Charles Thang, MD

9:35 – 9:40 Learning And Optimizing The TCAR Procedure

Edward Y. Woo, MD

Steven D. Abramowitz, MD

9:41 – 9:46 Complications Of TCAR: How To Avoid Them And Fix Those
That Occur

Thomas S. Maldonado, MD

9:47 – 9:52 Adjunctive EEG Can Help With TCAR And Decrease The Stroke
Rate: When And How

Todd R. Vogel, MD, MPH

9:53 – 9:58 Mini-Incision CEA Is Better And Less Costly Than TCAR

Enrico Ascher, MD

9:59 -10:04 TCAR Can Be Performed Under Local Anesthesia With Outcomes Equal To TCAR Under General Anesthesia: From A VQI Study: How To Do It Safely
Dipankar Mukherjee, MD

SIGNIFICANCE OF SMALL DW MRI DEFECTS AFTER CEA/CAS

10:05-10:10 **DEBATE:** How Size And Number Of Silent Brain Infarcts (DW MRI Defects) After CEA/CAS Affect Cognitive Changes: They Really Do Matter
Wei Zhou, MD

10:11-10:16 **DEBATE:** Silent DWI MRI Brain Lesions (Small Infarcts) After CEA/CAS Don't Matter
Thomas G. Brott, MD

10:17-10:22 Why Asymptomatic Carotid Stenosis (ACS) Is Associated With Impaired Cognitive Function And Silent Infarcts: However, CEA And CAS For ACS Cause More Cognitive Impairment Than They Prevent
J. David Spence, MD
(Power Point Presentation With Synched Audio)

10:23-10:30 Panel Discussion

SESSION 76 (LECTURE HALL 1 - Bonnet Creek Ballroom)

MORE CAROTID RELATED NEW DEVELOPMENT TOPICS RELATED TO TCAR, MESH COVERED STENTS, MINI-INCISION CEA, TIMING OF TREATMENT, MEDICAL TREATMENT AND DEALING WITH DISTAL (HIGH) CAROTID LESIONS

Moderators: Michael B. Silva, Jr., MD
Enrico Ascher, MD
Frank J. Veith, MD

10:30-10:35 Comparative Cost Effectiveness: TCAR Versus CEA Versus TFCAS
Mohammad H. Eslami, MD, MPH

- 10:36-10:41 Value Of Lithotripsy (Shockwave) For CAS In Heavily Calcified Lesions: How To Do It Safely And Technical Tips: Limitations And Precautions
Max Amor, MD
(Power Point Presentation With Synched Audio)
- 10:42-10:47 Results From A Multicenter Italian Study Of The C-Guard Micromesh Stent For CAS: Advantages And Complications
Gianmarco de Donato, MD
Carlo Setacci, MD
Francesco Speziale, MD
Wassim Mansour, MD
Pasqualino Sirignano, MD
- 10:48-10:53 OCT Proves CAS Is Rendered Safer Because Emboli Are Decreased By Mesh Covered Stents: The Evidence
Francesco Setacci, MD
Carlo Setacci, MD
- 10:54-10:59 Transcranial Doppler (TCD) Hits During TCAR: When Do They Occur And What Is Their Significance
Cynthia K. Shortell, MD
- 11:00-11:05 TCAR Versus Minimal Incision CEA: Cost Effectiveness, Advantages And Limitations Of Both
Robert M. Proczka, MD, PhD
- 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 Risk Is Increased For All Procedures; After 48 Hours Risk Is Less With CEA And TCAR Than With TFCAS: Based On Large National Database Study
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:** Patients With Moderate To Severe Strokes Do Poorly With Both CEA And CAS Done Within 48 Hours Of Symptom Onset: Both Procedures Should Be Avoided During This Period: How Long Should One Wait
 Hernan A. Bazan, MD
- 11:30-11:35 What Is The Best Medical Treatment For Patients With Carotid Stenosis (Asymptomatic And Asymptomatic): Can High Risk Plaques Be Made Low Risk And Can They Be Made Smaller: Are Some Plaques Resistant To Medical Treatment And Why
 J. David Spence, MD
 (Power Point Presentation With Synched Audio)
- 11:36-11:41 Technical Tips And Maneuvers To Make Treatment Of High Carotid Lesions Safe And Relatively Simple
 Richard J. Powell, MD
- 11:42-11:47 Getting Non-Compliant Carotid Patients To Comply With Best Medical Treatment By Showing Them Their Duplex Scans And Pictures Of Hemorrhagic And Ulcerated Plaques
 J. David Spence, MD
 (Power Point Presentation With Synched Audio)
- 11:48-12:00 Panel Discussion
- 12:00- 1:00 Lunch Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 77 (LECTURE HALL 1 - Bonnet Creek Ballroom)

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

Moderators: Samuel R. Money, MD, MBA
Christopher J. Kwolek, MD, MBA

UPDATE ON CAROTID RCTs

- 1:00 - 1:05 Optimal Management Of Extracranial Carotid Aneurysms In 2021: When Open; When Endo: Technical Tips And Results
Samuel R. Money, MD, MBA
- 1:06 – 1:11 Update On ACST 2: CEA Versus CAS For ACS: What Is It Telling Us And When Will We Have All The Answers
Richard Bulbulia, MA, MD
Alison Halliday, MS, FRCS
- 1:12 – 1:17 Initial Results Of ACST 2 Trial
Alison Halliday, MS, FRCS
(Power Point Presentation With Synched Audio)
Richard Bulbulia, MA, MD
- 1:18 – 1:23 Not So Fast! ACST 2 Has Flaws That Invalidate Its Conclusions: What Are They
J. David Spence, MD
(Power Point Presentation With Synched Audio)
- 1:24 – 1:29 Update On SPACE 2: CEA Versus Best Medical Treatment (BMT); CAS Versus BMT For ACS: Updated And Interesting Findings From A Stopped RCT
H. Henning Eckstein, MD, PhD
(Power Point Presentation With Synched Audio)
- 1:30 – 1:35 Update On CREST 2: CEA Versus BMT And CAS Versus BMT For ACS: Findings To Date And When Will We Have Final Results
Brajesh K. Lal, MD
Thomas G. Brott, MD

- 1:36 – 1:41 Why Is BMT With Clopidogrel Different In The Arms Of CREST and CREST 2 And Why This Difference Could Invalidate The RCTs Results
 Timothy M. Sullivan, MD

TANDEM CAROTID LESIONS

- 1:42 – 1:47 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
- 1:48 – 1:53 CEA And Retrograde Stenting Of A Tandem Proximal Lesion: Technical Tips To Make It Safe And Effective
 Christopher J. Smolock, MD
- 1:53 – 2:02 Panel Discussion

SESSION 78 (LECTURE HALL 1 - Bonnet Creek Ballroom)

MORE HOT CAROTID TOPICS: TREATMENT IN 2021 OF BIG CAROTID BODY TUMORS, OPTIMAL PLATELET AND PROTAMINE STRATEGIES; BENIGNANCY OF ACS

Moderators: Cynthia K. Shortell, MD
 Ali F. AbuRahma, MD

- 2:02 – 2:07 Technical Tips For Treating Large Shamblin III Carotid Body Tumors Safely; From An Ecuadorian Team Which Treats Many
 Oscar L. Ojeda, MD
- 2:08 – 2:13 Value Of Protamine Use During CEA: How Should It Be Used And With What Precautions
 David H. Stone, MD
 (Power Point Presentation With Synched Audio)

- 2:14 – 2:19 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
- 2:20 – 2:25 Are Symptomatic And Asymptomatic Carotid Stenosis Really 2 Different Diseases As Some Suggest
 Thomas G. Brott, MD
- 2:26 – 2:31 Risks And Causes Of Non-Ipsilateral Stroke Complicating CEA
 W. Darrin Clouse, MD
 Mark Conrad, MD, MMSc
- 2:32 – 2:37 Unnecessary Redundant Testing/Imaging Prior To CEA: What Is The Reason For This Needless Addition To Health Care Costs
 Reese A. Wain, MD
- 2:38 – 2:43 **DEBATE:** CAS Is The Best Treatment For Young Patients With A High Grade Asymptomatic Carotid Stenosis (ACS)
 William A. Gray, MD
 Giancarlo Biamino, MD, PhD
- 2:44 – 2:49 **DEBATE:** Not So: Young Patients With A High Grade ACS Should Not Be Treated By CAS Or CEA
 Anne L. Abbott, MD, PhD
 (Power Point Presentation With Synched Audio)
- 2:50 – 3:12 Panel Discussion
- 3:12 – 3:22 Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 79 (LECTURE HALL 1 – BONNET CREEK BALLROOM)
NEW OR UPDATED CONCEPTS FOR ENDOVASCULAR TREATMENTS

Moderators: Sean P. Lyden, MD
 Jacob Cynamon, MD

- 3:22 – 3:27 Clinical Judgment Is Required In The Application Of Evidence Based Medicine: RCTs Can Have Flaws Leading To Misleading Conclusions
 J. David Spence, MD
 (Power Point Presentation With Synched Audio)
- 3:28 – 3:33 How Should Left Subclavian Artery Stenosis Be Treated In Patients Before Coronary Artery Bypass: Stent Versus Carotid Subclavian Bypass Versus Ignore But Don't Use The Left Internal Mammary Artery
 Jennifer L. Perri, MD, MBA
- 3:34 – 3:39 Progress In Open And Endovascular Treatment For Erectile Dysfunction: Diagnosis And Treatment Of Cavernous Leak And Other Pathology: A New Horizon
 Eric Allaire, MD, PhD
- 3:40 – 3:45 Embolic Treatment Of Hemorrhoids: How To Do It And How Well Does It Work
 Gloria Salazar, MD
- 3:46 – 3:51 Using Machine Learning To Improve Stroke Prediction In Carotid Stenosis
 Mathew D. Wooster, MD
 Ravi K. Veeraswamy, MD
- 3:52 – 3:58 Transfemoral Transcaval Liver Biopsy: A Better Way To Do It
 Jacob Cynamon, MD
- 3:58 – 4:04 Panel Discussion

SESSION 80 (LECTURE HALL 1 - Bonnet Creek Ballroom)
**NEW DEVELOPMENTS IN PERCUTANEOUS ACCESS CLOSURE,
ENDOVASCULAR SUTURING AND WOUND CARE**

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

4:04 – 4:09 Update On Large Bore Percutaneous Access Closure Devices: Key New Devices And Developments: How To Prevent Failure And Complications
Zvonimir Krajcer, MD
(Power Point Presentation With Synched Audio)

4:10 – 4:15 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
(Power Point Presentation With Synched Audio)

PROGRESS IN WOUND CARE

4:16 – 4:21 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

4:22 – 4:27 New Developments In The Treatment Of Mixed Arterial And Venous Wounds And Ulcers
Katherine A. Gallagher, MD

4:28 – 4:33 Value Of A Wound Care Center To A Vascular Practice: Who Should Staff It And How To Make It Revenue Positive
Venita Chandra, MD

4:34 – 4:39 Best Treatment Strategies For Complex Infected Groin Wounds After Vascular Surgery: When To Do What: Wide Debridement, Antibiotics, Muscle Flap Reconstruction Or Graft Removal
Jan-Willem Elshof, MD
(Power Point Presentation With Synched Audio)

4:40 – 4:50 Panel Discussion

End of Program I

PROGRAM J

(Sessions 81-88) 7:20 A.M. – 5:30 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; Recorded Live Cases: Complex Endovascular Cases From The Mayo Clinic; 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: LECTURE HALL 2 - FLORIDIAN BALLROOM

SESSION 81 (LECTURE HALL 2 - Floridian Ballroom)

POPLITEAL DISEASE TOPICS RELATED TO NEW GUIDELINES, ANEURYSM TREATMENT (PRIMARY AND REDO), ENTRAPMENTS AND ATHERECTOMY FOR OCCLUSIVE LESIONS

Moderators: Enrico Ascher, MD
Keith D. Calligaro, MD

POPLITEAL ANEURYSMS AND THEIR BEST CURRENT TREATMENTS

- 7:20 – 7:25 High Points Of New SVS Guidelines For The Treatment Of Popliteal Aneurysms: Roles Of Endo And Open Repairs
Patrick J. Geraghty, MD
Alik Farber, MD, MBA
- 7:26 – 7:31 **DEBATE:** Endovascular Repair Is The Best Option For Most Popliteal Aneurysms Requiring Repair: Recent Progress In The Procedure: When Is Open Repair Indicated
Irwin V. Mohan, MBBS, MD
(Power Point Presentation With Synched Audio)
- 7:32 – 7:37 **DEBATE:** Open Repair With Prosthetic Bypass Graft Is Better Than Endovascular Treatment For Popliteal Aneurysms Requiring Repair
Laurent Chiche, MD

7:38 – 7:43 Update On Optimal Treatment For Popliteal Aneurysms: When Observation; When Endo Repair; When Open Repair And How
Fred A. Weaver, MD, MMM

7:44 – 7:49 What Are Complex Popliteal Aneurysms And How Should They Be Fixed: When Endo; When Open
Jacques Busquet, MD

7:50 – 7:56 Panel Discussion

POPLITEAL ENTRAPMENTS

7:56 – 8:01 What's New In The Treatment Of Popliteal Entrapments
Niten Singh, MD

POPLITEAL ARTERY INJURY

8:02 – 8:07 Surgical Approach And Graft Usage For Popliteal Artery Injury From Posterior Knee Dislocation
Charles J. Fox, MD

POPLITEAL ARTERY ATHERECTOMY

8:08 – 8:13 Value Of Orbital Atherectomy For Popliteal Artery Occlusive Lesions: Indications, Results, Precaution
Konstantinos P. Donas, MD
(Power Point Presentation With Synched Audio)

8:14 – 8:20 Panel Discussion

SESSION 82 (LECTURE HALL 2 - Floridian Ballroom)

NEW DEVELOPMENTS IN TREATING ARTERIAL (INCLUDING AORTIC) INFECTIONS

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

8:20 – 8:25 Update On Deep Vein Use For Arterial Procedures: The NAIS
Operation For Infections: Recent Technical Improvements
Patrick A. Stone, MD

TREATMENT OF MYCOTIC ANEURYSMS

8:26 – 8:31 Optimal Treatment Of Mycotic AAAs In 2021: Value Of And
Precautions With EVAR: Is It Ever A Stand-Alone Treatment
Timur P. Sarac, MD

8:32 – 8:37 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

8:38 – 8:43 Why Open Repair Is The Best Treatment For Mycotic AAAs: Is
EVAR Ever Of Value
Yamume Tshomba, MD

8:44 – 8:49 Best Treatment For Mycotic Aortic Aneurysms In The Thorax And
Abdomen Based On Long-Term Results
Samy S. Nitecki, MD

TREATMENT OF AORTIC AND ARTERIAL GRAFT AND ENDOGRAFT INFECTIONS

8:50 – 8:55 Infected Endografts After EVAR: Etiological Factors, Diagnosis,
Treatment, Outcomes
Mohammad H. Eslami, MD, MPH

8:56 – 9:01 Optimal Techniques For Treating Aorto-Iliac Graft And Endograft
Infections In 2021
Anders Wanhainen, MD, PhD

- 9:02 – 9:07 Semi-Conservative Therapy May Be Best For Some Aortic Graft Infections: What Is It And When Will Saving All Or Part Of An Infected Graft Work
 Zoran Rancic, MD, PhD
 (Power Point Presentation With Synched Audio)
- 9:08 – 9:13 Open Repair Of Suprarenal Aortic Graft Infections: Technical Tips And Long-Term Results
 Thomas C. Bower, MD
 Manju Kalra, MBBS
- 9:14 – 9:24 Panel Discussion
- 9:24 – 9:52 Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 83 (LECTURE HALL 2 - Floridian Ballroom)
PROGRESS IN VASCULAR IMAGING AND GUIDANCE FOR ENDOVASCULAR TREATMENTS WITH LESS RADIATION EXPOSURE OR CONTRAST TOXICITY

Moderators: Matthew J. Eagleton, MD
 Carlos A. Timaran, MD

VASCULAR HOLOGRAPHY

- 9:52 – 9:57 How Will The Microsoft Hololens Look Through Patients' Bodies And Facilitate Endovascular Interventions: The ARCUS System Of Augmented Reality And Its Value In Vascular Surgery
 Jan M.M. Heyligers, MD, PhD
 (Power Point Presentation With Synched Audio)
- 9:58 -10:03 Real View Holographic Imaging: How Will It Help In Endovascular Treatments: Is It Available In The US
 Elchanan Bruckheimer, MBBS
 (Power Point Presentation With Synched Audio)

10:04-10:09 Holographic Guidance Of Endovascular Procedures: What Is Possible And What Is Not
Claude Mialhe, MD
(Power Point Presentation With Synched Audio)

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

IMPROVED IMAGING

10:16-10:21 Dual Fluoroscopy With Live Image Digital Zooming: How Does It Work And Why Does It Decrease Radiation During Complex AAA Repairs: What Is Its Cost
Carlos H. Timaran, MD

10:22-10:27 Cydar Medical System's Evolution To Facilitate Fusion With All Digital Fluoroscopes: How The System Uses AI To Improve EVAR Planning, Guidance And Deployment
Jan M.M. Heyligers, MD, PhD
(Power Point Presentation With Synched Audio)

10:28-10:33 The Cydar System Deformation Tool For Improving Image Fusion Accuracy: How Does It Work And Why Does It Help
Cynthia K. Shortell, MD

10:34-10:39 The Cydar System's Value In Standard And Complex EVAR
Venkatesh G. Ramaiah, MD

10:40-10:50 Panel Discussion

SESSION 84 (LECTURE HALL 2 - Floridian Ballroom)

CHALLENGING RECORDED LIVE CASES FROM THE MAYO CLINIC AND THE UNIVERSITY OF TEXAS, HOUSTON

Moderators: Bernardo C. Mendes, MD
Gustavo S. Oderich, MD

10:50-11:00 Case 1: 45 Female With Loeys-Dietz Syndrome And Multiple Aortic Repairs
Guilherme B. Lima, MD

11:00-11:04 Panel Discussion

11:04-11:14 Case 2: 83-Year-Old Man With Ascending Aortic Pseudoaneurysm
Bernardo C. Mendes, MD

11:14-11:18 Panel Discussion

11:18-11:28 Case 3: 79 Female With Large Visceral Patch Aneurysm Following Open TAAA Repair
Naveed U. Saqib, MD

11:28-11:32 Panel Discussion

11:32-11:42 Case 4: 72-Year-Old Woman With Chronic Mesenteric Ischemia And Extent III TAAA
Bernardo C. Mendes, MD

11:42-11:46 Panel Discussion

11:46-11:56 Case 5: 71 Male With Aortic Arch Graft Pseudoaneurysm
Guilherme B. Lima, MD

11:56-12:00 Panel Discussion

12:00-1:15 Lunch Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 85 (LECTURE HALL 2 - Floridian Ballroom)
ONE PRESENTATION FROM MÜNSTER, GERMANY ON LOWER
EXTREMITY STENTS

Moderators: Mark A. Adelman, MD
Giovanni B. Torsello, MD

1:15 – 1:21 One Year Results Of The EMINENT RCT Comparing The Eluvia
DES Versus Bare Metal Stents
Giovanni B. Torsello, MD

1:22 – 1:25 Discussion

SESSION 86 (LECTURE HALL 2 - Floridian Ballroom)
NEW DEVELOPMENTS IN THE TREATMENT OF THORACIC OUTLET
SYNDROMES (TOSs)

Moderators: Robert W. Thompson, MD
Mark A. Adelman, MD

1:26 – 1:31 New Developments In The Treatment Of Neurogenic TOSs: What
Preop Factors Correlate With Good Outcomes; With Bad
Outcomes

Karl A. Illig, MD

1:32 – 1:37 Supraclavicular Approach To Arterial And Neurogenic TOSs
(Video Presentation)

Ramesh K. Tripathi, MD

(Power Point Presentation With Synched Audio)

VENOUS TOSs

1:38 – 1:43 Venous TOSs: Lessons Learned After Treating >1000 Cases
Robert W. Thompson, MD

1:44 – 1:49 Spectrum Of Treatment Options For Venous TOS: What Are The
Outcomes And How Do They Differ

Jason T. Lee, MD

- 1:50 – 1:55 Venography And Balloon Angioplasty For Neurogenic Thoracic Outlet Syndrome: A New Diagnostic And Therapeutic Approach
Sam S. Ahn, MD, MBA
- 1:56 – 2:03 Technical Tips For Optimal Surgical Treatment For Venous TOS
Robert W. Thompson, MD
- 2:04 – 2:14 Panel Discussion
- 2:14 – 2:30 Break – Visit Exhibits And Pavilions (North, West, Center and South Foyers)

SESSION 87 (LECTURE HALL 2 - Floridian Ballroom)

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

- 2:30 – 2:35 Optimal Antiplatelet Management With CEAs, Lower Extremity Bypasses And Open AAA Repairs
David H. Stone, MD
(Power Point Presentation With Synched Audio)
- 2:36 – 2:41 Optimal Anticoagulation And Antiplatelet Treatment For High Risk Lower Extremity Bypasses – Vein And PTFE
Peter Henke, MD
- 2:42 – 2:47 Most Effective Antiplatelet After Lower Extremity Interventional Treatments For CLTI – POBA, DCBs, Stents, Etc.
Maciej L. Dryjski, MD, PhD
- 2:48 – 2:53 Why Clopidogrel Is Effective In <50% Of Patients At Standard Doses: How To Identify And Fix This Problem
Karthik Kasirajan, MD

NEW DEVELOPMENTS IN LIPID MANAGEMENT – STATINS

- 2:54 – 2:59 Safety And Benefit Of Statins And Medical Treatment In Vascular Patients: Shockingly These Treatments Are Underutilized – Especially In Women: Why Is This So
Christian A. Behrendt, MD
- 3:00 – 3:05 Value Of Statins In AAA Patients After Repair: Long-Term Impact On Mortality
Adam Beck, 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
Caron B. Rockman, MD
Jeffrey S. Berger, MD, MS
- 3:12 – 3:18 Panel Discussion
- 3:18 – 3:23 Elevated Neutrophil To Lymphocyte Ratio Predicts Poor Outcomes And Mortality After Elective EVAR And CEA: What Is The Mechanism
Jae S. Cho, MD
- 3:24 – 3:29 The Justification For Carotid Screening Is To Promote Medical Treatment To Decrease Stroke And MI Risks, Not To Push Patients To Have Unnecessary Invasive Procedures
Kosmas I. Paraskevas, MD
- 3:30 – 3:35 Lowering LDL-C And Controlling Elevated Blood Pressure Can Lower Cardiovascular Risk 80%: Doing These Things Should Be A Lifetime Goal
Richard Bulbulia, MA, MD

3:36 – 3:41 How To Make Operations For Complications Of Vascular Ehlers
Danlos Syndrome Go Well
James H. Black, III, MD

3:42 – 3:48 Panel Discussion

SESSION 88 (LECTURE HALL 2 - Floridian Ballroom)
**ADVANCES IN THE ENDO AND OPEN TREATMENT OF VASCULAR
TRAUMA**

Moderators: Timur P. Sarac, MD
Todd E. Rasmussen, MD

3:48 – 3:53 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

3:54 – 3:59 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

4:00 – 4:05 Tranexamic Acid – An Antifibrinolytic Drug: Does It Reduce
Mortality With Mild To Moderate Traumatic Brain Injuries: Based
On A RCT
Todd E. Rasmussen, MD

4:06 – 4:11 Why One Should Have A Stock On Hand Of Balloon-Expandable
And Self-Expandable Covered Stents To Deal With Emergencies
From Iatrogenic And Other Traumatic Vascular Injuries: What
Should Be In The Stock
Maria Antonella Ruffino, MD

4:12 – 4:17 Radial Access Techniques And Technology For Embolotherapy To
Treat Vascular Trauma: Indications And Results
Jonathan J. Morrison, MD, FRCS

4:18 – 4:23 For Major Venous Injuries: Repair Versus Ligation – Which Is Currently Best When
Samy S. Nitecki, MD

4:24 – 4:29 Update On Best Current Management Of Pediatric Vascular Injuries: When Conservative; When Open; When Endo And Precautions
Michael C. Dalsing, MD

4:30 – 4:38 Panel Discussion

BLUNT THORACIC AORTIC INJURY (BTAI)

4:38 – 4:43 Endovascular Repairs Of Traumatic Aortic Injuries – Civilian And Military: Technology, Technical Tips And Results
James W. Dennis, MD

4:44 – 4:49 When Can Minor BTAI Be Treated By Observation Without TEVAR: What Precautions Are Necessary
Elina Quiroga, MD, MPH

4:50 – 4:55 **DEBATE:** Are We Overtreating BTAI – Especially Lesser Injuries
Joseph J. DuBose, MD

5:56 – 5:01 **DEBATE:** Why Many Patients With Lesser Degrees Of BTAI Require TEVAR
Ali Azizzadeh, MD

5:02 – 5:07 Why Rapid And Complete Aortic Healing After TEVAR For BTAI Should Influence The Length And Diameter Of The Endograft Used: Oversizing And Length Of Seal Zone Can Be Minimized: Technical Tips
Shang Loh, MD

5:08 – 5:13 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

5:14 – 5:19 With BTAI Requiring TEVAR, When Can The Left Subclavian Artery Be Covered And When Not: Tips On Endograft Sizing
Elina Quiroga, MD, MPH

5:20 – 5:30 Panel Discussion

End of Program J

PROGRAM K

(Sessions 89-97) 7:20 A.M. – 4:45 P.M.

Deep Venous Disease

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

Location: LECTURE HALL 3 - WALDORF ASTORIA GRAND BALLROOM A

SESSION 89 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A) PELVIC VENOUS DISORDERS, FEMORO-ILIOCAVAL INTERVENTIONAL STRATEGIES TO REDUCE VENOUS HYPERTENSION

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

- 7:30 – 7:35 Venographic Techniques To Identify Pelvic Anatomy And Escape Points
Mark H. Meissner, MD
- 7:36 – 7:41 Iliocaval Duplex Ultrasound With Image Optimization
Jan M. Sloves, RVT
- 7:42 – 7:47 We Need Dedicated Venous Stents For Nutcracker Syndrome And We Need Them Now
Peter Gloviczki, MD
- 7:48 – 7:53 Open Surgery For Nutcracker: Techniques And Results
Cynthia K. Shortell, MD
- 7:54 – 7:59 Ovarian Vein Embolization: Which Patient Benefits And Reimbursement
Kathleen D. Gibson, MD
- 8:00 – 8:05 Panel Discussion

SESSION 90 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A)

CHRONIC VENOUS OBSTRUCTION

Moderators: Jose I. Almeida, MD, RPVI, RVT
Patrick E. Muck, MD

- 8:06 – 8:11 CAVA Trial Lessons Learned About Post Thrombotic Syndrome
Cees H. A. Wittens, MD, PhD
- 8:12 – 8:17 Utilizing The Radiofrequency Power Wire To Vaporize A Channel
Through Chronic Iliocaval Venous Obstructions (CICVO)
Patrick E. Muck, MD
- 8:18 – 8:23 Recanalizing Occluded Venous Stents
Jose I. Almeida, MD, RPVI, RVT
- 8:24 – 8:29 Contralateral Limb Improvement After Unilateral Iliac Vein
Stenting: Argument Against Simultaneous Bilateral Stenting
Seshadri Raju, MD
- 8:30 – 8:35 Panel Discussion

SESSION 91 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A)

**FEMORO-ILIOCAVAL INTERVENTIONAL STRATEGIES TO REDUCE
VENOUS HYPERTENSION**

Moderators: Ellen D. Dillavou, MD
Rabih A. Chaer, MD

- 8:36 – 8:41 Does Vein Stenting Reduce Great And Small Saphenous Venous
Reflux
Natalie A. Marks, MD, RPVI, RVT
- 8:42 – 8:47 Best Anticoagulation After Deep Venous Stenting
Ellen D. Dillavou, MD
- 8:48 – 8:53 Reinterventions Following Vein Stent Placements – Lessons
Learned From 166 Cases
Windsor Ting, MD

8:54 – 8:59 Outcomes And Predictors Of Failure Of Iliac Vein Stenting
Rabih A. Chaer, MD

9:00 – 9:05 Panel Discussion

**SESSION 92 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A)
HYBRID TECHNIQUES, STENT PROBLEMS, POST-IMPLANTATION**

Moderators: Erin H. Murphy, MD
Cees H.A. Wittens, MD, PhD

9:06 – 9:11 Techniques For Endovenectomy And Concomitant Ilio Stenting
With And Without Adjuvant Arteriovenous Fistula Creation
Steven D. Abramowitz, MD

9:12 – 9:17 Endovascular Remote Endovenectomy For Chronic Venous
Disease Using The Inari CloTrievers
Steven D. Abramowitz, MD

9:18 – 9:23 Technical Properties Of Nitinol
Erin H. Murphy, MD

9:24 – 9:29 Biopsy Of Venous In-Stent Stenosis: Histopathology And
Treatment
David M. Williams, MD

9:30 – 9:35 Utilizing Indigo System To Extract Thrombus Prior To ISR
Ballooning And Stenting: Our Institution's Experience
Frank R. Arko, MD

9:36 – 9:41 CAVA Trial: Long-Term Follow Up
Cees H. A. Wittens, MD, PhD

9:42 – 9:47 Panel Discussion

9:48-10:28 Break – Visit Exhibits And Pavilions (North, West, Center and
South Foyers)

SESSION 93 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A)
**STRATEGIES FOR CORRECTING SEVERE DEEP VENOUS REFLUX AND/
OR OBSTRUCTION, WOUNDS, MEDICINES, AND NEW HORIZONS FOR
VENOUS DISEASE MANAGEMENT**

Moderators: Peter F. Lawrence, MD
William A. Marston, MD

10:29-10:34 Management Options Of Infrainguinal Disease: Indications And
Options
Steve Elias, MD

10:35-10:40 A Look At ABRE Stent Occlusions From The IDE Trial: Key
Takeaways
Erin H. Murphy, MD

10:41-10:46 The Economic Impact Of Infections In Venous Leg Ulcer Patients
Thomas F. O'Donnell, Jr., MD

10:47-10:52 What Is The Standard Of Care For Venous Wounds
William A. Marston, MD

10:53-10:58 Treatment Of Superficial And Perforator Reflux And Deep Venous
Stenosis Improves Healing Of Chronic Venous Leg Ulcers
Peter F. Lawrence, MD

10:59-11:04 Panel Discussion

SESSION 94 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A)
VENOUS STENT TRIALS AND CONCEPTS

Moderators: Lowell S. Kabnick, MD
Seshadri Raju, MD

11:05-11:10 Aspect Ratio Of Iliac Stenosis: Does It Matter
Seshadri Raju, MD

11:11-11:16 What Is Aspect Ratio And What Does The Clinical Data Reveal
Lowell S. Kabnick, MD

- 11:17-11:22 Virtus Trial - 3-Year Update
William A. Marston, MD
- 11:23-11:28 What Can The Arnsberg Registry Tell Us
Michael K. W. Lichtenberg, MD
- 11:29-11:34 ABRE 24-Month Study Data
Erin H. Murphy, MD
- 11:35-11:40 Zilver Vena Stent Trial
Anthony J. Comerota, MD
- 11:41-11:46 Vernacular 36-Month Study Data
Michael K.W. Lichtenberg, MD
- 11:47-11:52 Deep Venous Imaging Strategies To Minimize Stenting
Complications
Steve Elias, MD
- 11:52-1200 Panel Discussion
- 12:00-12:45 Lunch Break – Visit Exhibits And Pavilions (North, West, Center
and South Foyers)
- SESSION 95 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A)**
MORE ILIOFEMORAL FLOW AND PELVIC ISSUES
- Moderators:* Paul J. Gagne, MD
Peter J. Pappas, MD
- 12:46-12:51 Deep Venous Reconstruction: Is It Safe And Profitable In An OBL
Paul J. Gagne, MD
- 12:52-12:57 Which Is More Important: Pelvic Venous Insufficiency Or Iliac
Vein Obstruction
Peter J. Pappas, MD

12:58- 1:03 Male Pelvic Congestion And Varicose Veins: How Much Of A Problem
Mark S. Whiteley, MS

1:04 – 1:09 A Novel Technique And Outcomes For Iliocaval Extravascular Reconstruction (TIER) For Iliocaval Agenesis
Steven D. Abramowitz, MD

1:10 – 1:15 Panel Discussion

SESSION 96 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A)
STRATEGIES FOR THROMBOEMBOLIC EVENTS IN THE VENOUS SYSTEM

Moderators: Michael K.W. Lichtenberg, MD
Brian G. DeRubertis, MD

VTE INTERVENTIONAL

1:16 – 1:21 Thrombolysis For Acute DVT: Utilization And Guidance From Current Clinical Trials
Brian G. DeRubertis, MD

1:22 – 1:27 Venous Aneurysms: Should They Be Treated
Peter F. Lawrence, MD

1:28 – 1:33 DVT Removal Without Thrombolytics – Mechanical Thrombectomy Is Now The Standard Of Care For Both Upper And Lower Extremity DVT
Patrick E. Muck, MD

1:34 – 1:39 P-Max Study: Mechanical Thrombectomy For Iliofemoral DVT With Aspirex
Michael K.W. Lichtenberg, MD

1:40 – 1:45 Panel Discussion

1:46 – 2:21 Break - Visit Exhibits And Pavilions (North, West, Center and South Foyers)

CENTRAL VENOUS THROMBOSIS; COVID-19; VTE MEDICAL

- Moderators:* Steve Elias, MD
Mikel Sadek, MD
- 2:22 – 2:27 COVID-19 Treatment Of Venous Thrombosis In Hospitalized Patients
Mikel Sadek, MD
- 2:28 – 2:33 COVID-19 Outpatient Experience With Anticoagulation
Steve Elias, MD
- 2:34 – 2:39 Closed Plication Is A Safe And Effective Method For Treating Popliteal Venous Aneurysm
Thomas W. Wakefield, MD
- 2:40 – 2:45 Mesenteric Vein Thrombosis: What Is The Best Strategy
Mark G. Davies, MD
- 2:46 – 2:51 DOAC Revolution – Which Drug For What Disease: Review Of Ongoing Trials
Andrea T. Obi, MD
- 2:52 – 2:57 Update In Experimental DVT Pathogenesis And Resolution
Peter Henke, MD
- 2:58 – 3:03 Inflammation And Venous Thrombosis: An Evidence Summary
Thomas W. Wakefield, MD
- 3:04 – 3:09 Pediatric DVT: An Evidence Summary
Dawn M. Coleman, MD
- 3:10 – 3:15 Using The Femoral Vein As A Tunneling Conduit For An Arterial Bypass: Venous Outcomes In PQ Bypass
Mark A. Adelman, MD

- 3:16 – 3:21 Duration Of Anticoagulation
 Rachel Rosovsky, MD, MPH
- 3:22 – 3:27 Should All Patients With Acute VTE Be Treated With A Statin:
When And Dose
 Anthony J. Comerota, MD
- 3:28 – 3:33 Update On Reversal Agents For The DOACs
 Timothy K. Liem, MD
- 3:34 – 3:39 Role Of Thrombophilia Testing
 Rachel Rosovsky, MD, MPH

3:40 – 3:45 Panel Discussion

SESSION 97 (LECTURE HALL 3 - Waldorf Astoria Grand Ballroom A)
DEEP VEIN VALVE TECHNOLOGIES, CAVAL INTERRUPTION

Moderators: Mikel Sadek, MD
 Jorge H. Ulloa, MD

DEEP VALVE PROGRESS

- 3:46 – 3:51 US Experience Of The BlueLeaf[®] Endovenous Valve Formation:
Update
 William A. Marston, MD
- 3:52 – 3:57 Safety And Efficacy Report On The Venovalve (First In Man) IDE
Feasibility Study
 Jorge H. Ulloa, MD
- 3:58 – 4:03 The Need For A Deep Venous Valve For Severe CVI Patients With
DVT
 Mikel Sadek, MD
- 4:04 – 4:09 Implantable Bicuspid Valve: Early Preclinical Results
 Paul J. Gagne, MD

4:10 – 4:15 Panel Discussion

CAVAL INTERRUPTION

Moderators: Timothy K. Liem, MD, MBA
Jose I. Almeida, MD, RPVI, RVT

4:16 – 4:21 Thrombosed IVC Filter: How To Recanalize The Cava And
Manage The Filter

Thomas J. Almeida, MD, RPVI, RVT

4:22 – 4:227 IVC Management In Pregnant Patients

Joann Lohr, MD

4:28 – 4:33 Surgical Removal Of IVC Filters: Perforation Or Infiltration

Timothy K. Liem, MD, MBA

4:34 – 4:39 Why Temporary Filters Are Not Removed: Clinical Predictors In
1,000 Consecutive Cases

Heron E. Rodriguez, MD

4:40 – 4:45 Panel Discussion

End of Program K

SATURDAY, NOVEMBER 20, 2021

6:15 A.M. General Registration – Bonnet Creek Ballroom – North Foyer

6:00 A.M. Faculty Registration – Bonnet Creek Ballroom – Salon I

6:30 A.M. Continental Breakfast – Bonnet Creek Ballroom – North Foyer

PROGRAM L

(Sessions 98-102) 7:00 A.M. – 1:05 P.M.

Topics Too Important To Miss In The Treatment Of Lower Extremity, Aortic Or Carotid Disease, COVID-19 Updates

Location: LECTURE HALL 1 - Bonnet Creek Ballroom

SESSION 98 (LECTURE HALL 1 - Bonnet Creek Ballroom)

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

Moderators: Keith D. Calligaro, MD
Frank J. Veith, MD
Michael H. Wholey, MD, MBA

7:00 – 7:05 Optimal Vessel Prep Is Key To Successful BTK And Tibial Angioplasty (PTA): How To Do It
Peter A. Schneider, MD

7:05 – 7:10 Why Endovascular Treatments Should Be The First Choice For Common Femoral Artery (CFA) Occlusive Lesions
Niten Singh, MD

7:10 – 7:15 What Is The Real Complication Rate With Retrograde Tibial And Pedal Access: How To Minimize These Complications
Michael H. Wholey, MD, MBA

7:15 – 7:20 **DEBATE:** An Endo First Approach Is Best For Treating CLTI In All Patients: Is There Any Role For Open Bypasses
Christopher J. Abularrage, MD

- 7:20 – 7:25 **DEBATE:** Not So: Open Bypass Should Be The First Treatment For Some CLTI Patients: When Is This So And In What Percentage Of CLTI Patients
 Karan Garg, MD
- 7:25 – 7:30 Panel Discussion
- 7:30 – 7:35 Value Of Atherectomy And Other Technologies In Heavily Calcified Infrapopliteal Lesions For CLTI: Which Lesions To Treat And What Do We Know About Their Impact
 Venita Chandra, MD
- 7:35 – 7:40 Are Isolated Pedal Interventions For CLTI Worthwhile
 Mark G. Davies, MD
- 7:40 – 7:45 **DEBATE:** Multivessel Tibial Revascularization Does Not Improve Limb Salvage In CLTI Patients: From A VQI Study
 Venita Chandra, MD
- 7:45 – 7:50 **DEBATE:** Not So: In Some Circumstances Multivessel Tibial Revascularization Does Improve Outcomes In CLTI Patients: Which Circumstances
 Brian G. DeRubertis, MD
 (Power Point Presentation With Synched Audio)
- 7:50 – 7:55 Technical Tips For Open Tibial And Pedal Artery Exposures In Virginal And Redo Situations
 William P. Robinson, MD
- 7:55 – 8:00 When Are Oral Antibiotics Without Excision Of Infected Bone Adequate Treatment For Osteomyelitis In The Foot
 Wayne J. Caputo, DPM
- 8:10 – 8:10 Panel Discussion

SESSION 99 (LECTURE HALL 1 - Bonnet Creek Ballroom)
MORE LOWER EXTREMITY TOPICS TOO IMPORTANT TO MISS (4
¾-MINUTE TALKS)

Moderators: Ali F. AbuRahma, MD
Enrico Ascher, MD

8:10 – 8:15 Dangers And Pitfalls Of Retrograde Lower Extremity Access Distal To The Common Femoral Artery
Venita Chandra, MD

8:16 – 8:21 Impact Of A Dedicated Limb Preservation/Limb Salvage Service On Amputation Rates: Must It Include An Open Bypass Surgery Component
Niten Singh, MD

8:22 – 8:27 Importance Of Functional And Ambulatory Status In Decision Making In CLTI Patients: Why Limbs Should Be Saved In Patients Who Are Not Ambulatory
Vincent I. Rowe, MD

8:28 – 8:33 Open Versus Endo Revascularizations In Dialysis Patients With CLTI: What Is The Role Of Each
Rabih A. Chaer, MD

8:34 – 8:39 What Is The Best Vessel Prep For Endo Treatments Of Heavily Calcified Lesions: Technical Tips And Precautions
Theodosios Bisdas, MD

8:40 – 8:45 Real World Outcomes With Zilver PTX DESs For Complex Fempop Disease: Why Do They Differ From Trial Results
Ali F. AbuRahma, MD

8:46 – 8:54 Panel Discussion

8:55 – 9:00 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

- 9:01 – 9:06 Effect Of Short-Term Complications Of Lower Extremity
Revascularizations On Long-Term Outcomes And Patient Survival
Joseph L. Mills, MD
(Power Point Presentation With Synched Audio)
- 9:07 – 9:12 Endovascular Diagnosis And Control Of Hemorrhage After
Fempop Open Operations: It Is A Better Way And How To Do It
Francesco Setacci, MD
Carlo Setacci, MD
(Power Point Presentation With Synched Audio)
- 9:13 – 9:18 Longer Procedure Times Are Predictive Of Worse Outcomes With
Endovascular Treatments Of Lower Extremity Occlusive Lesions
Alan M. Dietzek, MD, RPVI
- 9:19 – 9:24 Lower Extremity Interventions (PTA, Stents, Atherectomy)
Under IVUS Guidance: Its Costs, Value And Limitations
Ignacio Escotto, MD
(Power Point Presentation With Synched Audio)
- 9:25 – 9:30 Panel Discussion
- 9:30 – 9:35 Break – Visit Exhibits And Pavilions (North, and West Foyers)

SESSION 100 (LECTURE HALL 1 - Bonnet Creek Ballroom)
NEW DEVELOPMENTS IN COVID-19 TREATMENTS AND THE EFFECTS
OF COVID-19 ON THE VASCULAR SYSTEM (5-MINUTE TALKS)

Moderators: Mark A. Adelman, MD
 Ronald L. Dalman, MD

- 9:35 – 9:40 Patients With AAAs Who Had COVID-19 May Need More
Frequent Surveillance
 Ronald L. Dalman, MD
- 9:41 – 9:46 What Will Be The Post-Pandemic Steady State Of Novel Infection
And Acquired Immunity: Is “Herd Immunity” A Realistic Concept
 Clayton J. Brinster, MD

9:47 – 9:52 Impact Of COVID-19 On The Extra- And Intracranial Circulation:
How Effective Are Endovascular Treatments
Allan L. Brook, MD

9:53 – 9:58 Current Treatment Paradigms For Symptomatic COVID-19 \
Infection: What Works, What Doesn't, What's Available And
What's In The Pipeline
Clayton J. Brinster, MD

9:59 -10:04 Endovascular Management Of COVID-19 Induced Acute Limb
Ischemia: When Is It Effective And When Not
Karthik Kasirajan, MD

10:05-10:10 Do Current Vaccines Or Previous Infection Protect Against New
Variants Of COVID-19: Will Vaccine Boosters Be Required – For
Whom And How Often
Clayton J. Brinster, MD

10:11-10:20 Panel Discussion

SESSION 101 (LECTURE HALL 1 - Bonnet Creek Ballroom)
AORTIC TOPICS TOO IMPORTANT TO MISS (5-MINUTE TALKS)

Moderators: James F. McKinsey, MD
Kenneth Ouriel, MD, MBA

10:20-10:25 Improved System For Evaluating Aortic Neck Anatomy And
Suitability For EVAR And F/EVAR
David J. Minion, MD

10:26-10:31 Top 10 Clinical Trials That Are Needed In AAA Disease
Ronald L. Dalman, MD

SPINE EXPOSURE SURGERY

10:32-10:39 Technical Tips And Tools For The Vascular Surgeon To Provide
Anterior Exposure For Spine Procedures (7-Minute Presentation)
Jeffrey Jim, MD, MPH

- 10:40-10:47 Vascular Complications Of Anterior Spine Exposures; How To Avoid Them And How To Treat Them If They Occur (7-Minute Presentation)
William P. Robinson, MD
- 10:48-10:53 EVAR Outside The IFUs Of Commercial Devices Is Sometimes Justified And Does Not Negatively Impact On Midterm Outcomes: When Is This So
George A. Antoniou, MD, PhD, MSc
- 10:54-11:00 Panel Discussion
- 11:00-11:05 How To Avoid Axillary Artery Complications After Large Sheath Use In Complex AAA Repairs
Michael C. Stoner, MD
- 11:06-11:11 Late Complications Of F/B/EVAR In An Experience Of >1000 Cases
Eric L.G. Verhoeven, MD, PhD
Athanasios Katsargyris, MD
- 11:12-11:17 With F/EVAR Intraoperative Endoleaks Do Not Predict Midterm Failure
Michael J. Singh, MD
- 11:18-11:23 Left Subclavian Revascularization With TEVAR: Technical Tips And Tools To Make In Situ Fenestration Easy
Wayne W. Zhang, MD
- 11:24-11:29 Variable Curve Directional Sheaths Will Eliminate The Need For Upper Extremity Access With F/B/EVAR: Which Sheath Is Best And Pitfalls
James F. McKinsey, MD
- 11:30-11:35 How Can Computer Modeling Help To Improve The Treatment Of TBADs
Ross Milner, MD

11:36-11:42 Panel Discussion

SESSION 102 (LECTURE HALL 1 - Bonnet Creek Ballroom)

AORTIC AND CAROTID TOPICS TOO IMPORTANT TO MISS 5-MINUTE TALKS)

Moderators: Sean P. Lyden, MD
Enrico Ascher, MD
Frank J. Veith, MD

AORTIC TOPICS

11:42-11:47 Options For Managing The Left Subclavian Artery When Performing Endovascular Treatment Of Zone 2 Lesions

Edward Y. Woo, MD

Steven D. Abramowitz, MD

11:48-11:53 Carotid-To-Axillary Bypass Is Better Than Carotid-Subclavian Bypass For Revascularizing Subclavian Arteries With TEVAR: Why And How To Do It

Frank J. Criado, MD

11:54-11:59 When Is A Left Subclavian Chimney Graft Better Than A Carotid-Subclavian Bypass For Preserving Subclavian Artery Flow

R. Clement Darling III, MD

12:00-12:05 Upper Extremity Access For Complex Endo AAA Repairs Is Associated With A High Rate Of Stroke: From A VQI Study

Mark L. Schermerhorn, MD

12:06-12:11 **DEBATE:** The Vast Majority Of Failed EVARs Can Be Treated Endovascularly

Jean-Pierre Becquemin, MD

12:12-12:17 **DEBATE:** Not So: Many Failed EVARs Are Best Repaired By Open Conversion

Michel Makaroun, MD

- 12:18-12:23 AAAs With Large Diameter Necks (>34 mm) Do Poorly With EVAR: How Should Such Patients Be Treated
Matt M. Thompson, MD
- 12:24-12:29 Value Of 3D Flow Models To Analyze The Cause Of Failure After F/EVAR And TEVAR
Maciej L. Dryjski, MD, PhD
- 12:30-12:35 Panel Discussion

CAROTID TOPICS

- 12:35-12:40 How To Use The Silk Road TCAR Device In The Treatment Of Tandem Carotid Lesions: Technical Tips And Results
Michael C. Stoner, MD
- 12:41-12:46 Radiation And Carotid Stenosis: What Is The Relationship And How Is Radiation Stenosis Best Treated When Asymptomatic And When Symptomatic
Cynthia K. Shortell, MD
- 12:47-12:52 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
- 12:53-12:58 TCAR With Flow Reversal Versus Transcervical CAS With Distal Protection: TCAR's Benefit Is Not Just Due To Its Avoidance Of Having To Traverse The Aortic Arch
Mahmoud B. Malas, MD, MHS
(Power Point Presentation With Synched Audio)
- 12:59- 1:05 Panel Discussion
Lunch Available

End of Program L

VEITHsymposium continues in the Floridian Ballroom with Sessions on Hemodialysis Access.

PROGRAM M:

(Sessions 103-106) 8:00 A.M. – 3:25 P.M.

Improving Outcomes In Hemodialysis Access

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

Location: LECTURE HALL 2 - Floridian Creek Ballroom

8:00 – 8:05 Introduction

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

SESSION 103 (LECTURE HALL 2 – Floridian Ballroom)

IMPORTANT ISSUES IN HEMODIALYSIS ACCESS (7-MINUTE TALKS)

Moderators: Larry A. Scher, MD

Anton N. Sidawy, MD, MPH

8:06 – 8:13 What Vascular Access Issues Are Important To Patients
Dori R. Schatell, MS

8:14 – 8:21 Where Should Patients And Physicians Get Information About
Hemodialysis Access
Ellen D. Dillavou, MD

8:22 – 8:29 Amplifi™ Vein Dilation System: First In Human Study
Surendra Shenoy, MD

8:30 – 8:37 Update On The Use Of Fist Assist To Maximize Creation And
Maturation Of Autogenous AV Fistula
Tej M. Singh, MD, MBA

8:38 – 8:45 Surgical Management Of The Mega Fistula
John R. Ross, Sr., MD

8:46 – 8:53 Cardiovascular Implantable Electronic Devices In Hemodialysis
Patients: Prevalence And Strategies For Management
Theodore F. Saad, MD

- 8:54 – 9:04 Panel Discussion
- 9:05 – 9:12 Body Image, Sexuality And Hemodialysis Access
Dori R. Schatell, MS
- 9:13 – 9:20 Options For Management Of Deep AV Fistulas
William Jennings, MD
- 9:21 – 9:28 Managing The Pulsatile AV Access: How To Prolong Access Life
Surendra Shenoy, MD, PhD
- 9:29 – 9:36 Use Of Drug Eluting Balloons And Stents: What Does The Data Tell Us
Theodore F. Saad, MD
- 9:37 – 9:44 LIMA Steal Syndrome After Ipsilateral AV Fistula: Is It Real
Jeffrey E. Indes, MD
(Power Point Presentation With Synched Audio)
- 9:45 – 9:52 Early Banding For High Flow AV Fistulas
Moro Salifu, MD
- 9:53 -10:03 Panel Discussion
- 10:04-10:25 Break – Visit Exhibits And Pavilions (North, West and Center Foyers)

SESSION 104 (LECTURE HALL 2 – Floridian Ballroom)
MORE IMPORTANT ISSUES IN HEMODIALYSIS ACCESS (7-MINUTE TALKS)

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

- 10:26-10:33 Performance Of Vascular Access Procedures During A Global Pandemic
Haimanot (Monnie) Wasse, MD, MPH

- 10:34-10:41 Surgeon's Perspective On Management Of Acute Kidney Injury
During The COVID-19 Pandemic
Clifford M. Sales, MD, MBA
- 10:42-10:49 How Has COVID-19 Impacted Medicare Reimbursement
Evan C. Lipsitz, MD, MBA
- 10:50-10:57 Does A High Bifurcation Brachial Artery Affect Outcomes For AV
Fistulas And Grafts
John S. Futchko, MD
- 10:58-11:05 Accelerating Technology Development During A Pandemic To
Bring More People With Kidney Failure Home
Prabir Roy-Chaudhury, MD, PhD
(Power Point Presentation With Synched Audio)
- 11:06-11:16 Panel Discussion
- Moderators:* John E. Aruny, MD
Clifford M. Sales, MD, MBA

THE USE OF ULTRASOUND IN CONTEMPORARY DIALYSIS ACCESS PRACTICE

- 11:17-11:24 Preoperative Vessel Mapping: Did KDOQI Really Make This
Optional
Surendra Shenoy, MD, PhD
- 11:25-11:32 Economic And Clinical Impact Of Changes In Reimbursement For
Predialysis Duplex Planning
Jason K. Wagner, MD
- 11:33-11:40 Incorporating Point Of Care Ultrasound Into The Practice Of
Nephrology
Vandana Niyyar, MD
- 11:41-11:48 Use Of IVUS For Evaluation And Sizing Of Central Vein Stenosis
John E. Aruny, MD

11:49-12:00 Panel Discussion

12:00- 1:00 Lunch Break – Visit Exhibits And Pavilions (North, West and Center Foyers)

SESSION 105 (LECTURE HALL 2 - Floridian Ballroom)
POLITICAL, ECONOMIC AND LEGAL ISSUES IN HEMODIALYSIS ACCESS
(7- 10-MINUTE TALKS)

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

1:00 – 1:07 Creating AV Fistulas For Children In Guatemala
William Jennings, MD

1:08 – 1:15 How Will Government Initiatives Move Patients From Dialysis Centers To Home Dialysis
Sean D. Kalloo, MD

1:16 - 1:23 Implementing The Results Of A Randomized Trial Comparing Early Cannulation Grafts To Catheters Into Practice
David Kingsmore, MD

1:24 – 1:31 How Artificial Kidneys And Miniaturized Dialysis Could Save Millions Of Lives
Buddy D. Ratner, PhD

1:32 – 1:46 Panel Discussion

SESSION 106 (LECTURE HALL 2 – Floridian Ballroom)
NEW TECHNOLOGIES AND OTHER IMPORTANT CLINICAL ISSUES IN AV ACCESS (7-MINUTE TALKS)

Moderators: Haimanot (Monnie) Wasse, MD, MPH
Ellen D. Dillavou, MD

1:47 – 1:54 Use Of External Support Devices To Improve AV Fistula Maturation
Ellen D. Dillavou, MD

- 1:55 – 2:02 Use Of Pharmacologic Adjuncts To Improve AV Fistula Maturation
Alan Dardik, MD, Ph
- 2:03 – 2:10 **DEBATE:** Will EndoAV Fistulas Ever Become The Gold Standard:
EndoAV Fistula Is Better Than Surgery
Neghae Mawla, MD
- 2:11 – 2:18 **DEBATE:** Will EndoAV Fistulas Ever Become The Gold Standard:
Surgery Is Still The Gold Standard
John R. Ross, Sr., MD
- 2:19 – 2:26 Cannulation Issues With Endovascular Fistulas
Deborah Brouwer-Maier, RN, CNN
- 2:27 – 2:34 A Non-Biologic Vascular Prosthesis That Heals And Integrates:
Application For Dialysis Blood Access And Small Diameter Sites
Buddy D. Ratner, PhD
- 2:35 – 2:42 What Is The Best Option For Cephalic Arch Stenosis
Mark G. Davies, MD
- 2:43 – 2:50 Management Of The Abandoned HeRO Device
Stephen E. Hohmann, MD
- 2:51 – 2:58 HeRO Graft With ARtegraft Attachment For Hemodialysis Access:
What Are The Outcomes
Jesse Garcia, MD
- 2:59 – 3:06 WRHAPSODY™ Endovascular Stent Graft (Merit Medical) For
Treatment Of Hemodialysis Access Outflow Stenosis
James A. Gilbert, MD
- 3:07 – 3:25 Panel Discussion

End of Program M