

13th Annual
Venous Endovascular **I**nterventional **S**trategies

THE C**VEINS**

OCTOBER 28 - 30, 2023
WYNN LAS VEGAS

THE GLOBAL
EDUCATION COURSES
FOR VASCULAR
MEDICINE AND
INTERVENTION

21st Annual
Vascular Inter**V**entional **A**dvances



OCTOBER 30 - NOVEMBER 2, 2023
WYNN LAS VEGAS

The VIVA Foundation is a not-for-profit
organization dedicated to vascular
education and research

viva-foundation.org



Now in its 21st year, VIVA returns to Wynn Las Vegas to bring together the brightest minds in interventional cardiology, interventional radiology, vascular medicine, and vascular surgery. Our multidisciplinary Board of Directors and Scientific Committee have designed the 2023 curriculum to engage, challenge, and inspire today's vascular specialists.

VIVA remains a can't-miss educational event for clinicians from around the world, featuring dynamic live cases, never-before-seen data, simulator and cadaver workshops, intimate roundtable discussions, and so much more. In 2023 we will continue to explore key clinical issues and controversies, and dissecting evolving trends and techniques with expert input from our multispecialty faculty.

We invite you to join us this fall as we examine the current landscape of vascular medicine and intervention, and look ahead toward what's to come. Visit viva-foundation.org/register to learn more and to register for VIVA and The VEINS 2023.



A stylized signature of Raghu Kolluri, MD, MS.

Raghu Kolluri, MD, MS

VIVA Board President



The VIVA Foundation is a not-for-profit organization dedicated to advancing the field of vascular medicine and intervention through education, research, advocacy, and collaboration. We appreciate your ongoing support as we work to transform the world of endovascular care and research, ultimately improving the lives of our patients.

EDUCATION

- ✓ VIVA and The VEINS annual meetings
- ✓ Physicians-in-Training Program with Face-Off scholarships
- ✓ Transformative webinars across the spectrum of vascular disease

ADVOCACY

- ✓ Vascular Leaders Forum



RESEARCH

- ✓ Field-leading advances in vascular disease
- ✓ Sponsorship and bridge funding for key trials
- ✓ Development of the next generation of research leaders

PHILANTHROPY

- ✓ Supporting a variety of non-profit organizations

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Industry registration will open July 18
Learn more on page 31

EARLY

Ends July 17

PRIME

July 18 - September 12

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CME ACCREDITATION

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the Academy for Continued Healthcare Learning (ACHL) and the VIVA Foundation. ACHL is accredited by the ACCME to provide continuing medical education for physicians.

The Academy for Continued Healthcare Learning designates this live activity for a maximum of **26.25 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Physician assistants, nurse practitioners, and nurses may participate in this educational activity and earn a certificate of completion as AAPA, AANP, and ANCC accept *AMA PRA Category 1 Credits™* through their reciprocity agreements.

Multiple sessions will run concurrently each day. Participants may claim CME credit for sessions attended live, either in-person virtually. CME credits are not available for sessions viewed on demand. Virtual attendees can claim CME credit for livestreamed sessions. Not all sessions will be livestreamed.

MONDAY PRE-COURSES

- Aortic: 3.5
- CLTI: 5.25
- Dialysis: 2.0
- Nurses + Techs: 2.0*
- Pharmacorx: 3.0*

WEDNESDAY

- Aortic Track: 1.0*
- CLTI Track: 1.0*
- Global Theater: 7.0
- Roundtable: 4.75

TUESDAY

- Aortic Track: 1.0*
- CLTI Track: 1.0*
- Global Theater: 7.0
- Nurses + Techs: 2.0*
- Roundtable: 2.75

THURSDAY

- Spotlight Theater: 3.25*

*Session is not live-streamed and therefore CME credit is not available for virtual participants.

TARGET AUDIENCE

VIVA is designed for physicians specializing in interventional cardiology; interventional and neurologic radiology; vascular medicine; vascular, neurologic, and cardiothoracic surgery; podiatry; fellows and residents; and allied health professionals (including nurses, vascular clinic staff, endovascular operating room staff, cath lab and angiography suite staff, nurse practitioners, vascular technologists, and physician assistants).

OBJECTIVES

At the conclusion of the course, the targeted learners should be able to:

- Describe the current indications, risks, complications, and outcomes of creating hemodialysis vascular access and of medical, interventional, and surgical therapies for peripheral arterial and venous diseases.
- Incorporate advanced medical, endovascular, and surgical techniques and approaches into their own practices to improve the care and outcomes of patients.
- Implement high-quality guidelines-based programs to improve the early identification and care of patients with non-cardiac vascular conditions.
- Apply knowledge in critical decision making and the comprehensive spectrum of care for patients with stroke and intracranial/extracranial carotid artery disease.
- Apply a strategic multidisciplinary and team-based approach to the treatment of vascular disease.
- Describe the latest technologies available to treat CLTI, stroke, aortic occlusive disease, PE, and DVT.
- Identify and discuss socioeconomic factors that result in variations in vascular care.

DISCLAIMERS

CME INFORMATION CONFIDENTIALITY

Because live-case demonstrations will be presented, you are reminded that any patient information you may receive as a part of this continuing medical education (CME) program is considered confidential. Confidential patient information includes all information that could be used to identify the individual patient. By participating in this CME program, you agree to maintain the confidentiality of all patient information and not release that information to any third party.

MEDICAL JUDGMENT DISCLAIMER

The information provided at this meeting is for continuing education purposes only and is not meant to substitute for the independent medical judgment of a physician relative to diagnostic and treatment options of a specific patient's medical condition.

UNLABELED PRODUCTS AND/OR PROCEDURES

VIVA faculty may discuss information about pharmaceutical agents and/or devices and/or procedures that are outside of U.S. Food and Drug Administration-approved labeling. This information is intended solely for CME and is not intended to promote off-label use of these medications, devices, and procedures. If you have questions, contact the medical affairs department of the manufacturer for the most recent prescribing information.

FACULTY DISCLOSURES

The Academy for Continued Healthcare Learning, in accordance with ACCME accreditation requirements, requires faculty to disclose any financial interest or other relationship with the manufacturer(s) of

any commercial product(s) and/or provider(s) of commercial services discussed during this educational activity and with any commercial supporters of the activity.

SOCIAL MEDIA DISCLAIMER

The VIVA Foundation accepts comments and discussions via our social media outlets related to vascular education. We do not solicit nor endorse any comment which may be posted; and, comments, likes, or follows do not necessarily express the opinion or views of The VIVA Foundation. We will remove any information, discussion, comment, and material that we deem to be inappropriate and/or which violates our policy to protect patient identities. All commentary with a promotional purpose for a service, device, or technology will be removed immediately. The VIVA Foundation assumes no liability for information posted or presented by others, and only endorses comments and postings provided directly by authorized staff members. Any posting or live streaming of entire sessions or live cases and use of any VIVA or The VEINS course content for commercial use is strictly prohibited. If you wish to report any violation of the above policy, please contact marketing@vivaphysicians.org.

AUDIO, VIDEO RECORDING AND PHOTOGRAPHY POLICY

VIVA encourages and promotes the exchange and accessibility of educational content from the conference. All videos and slides are available immediately at no charge to attendees through Virtual VIVA. Non-flash photography, audio and video recordings with handheld devices are permitted for social, personal or educational purposes, if not disruptive. However, any posting or live streaming of entire sessions or live cases and use of any VIVA course content for commercial purposes is strictly prohibited.

VIRTUAL VIVA

PLAN • ACCESS • INTERACT

The Virtual VIVA app allows attendees to plan their conference experience using the in-app agenda, watch live and recorded sessions, and much more. All registrations include access to the Virtual VIVA app.



REVIEW PRESENTATION SLIDES



RECEIVE UP-TO-THE MINUTE ALERTS AND REMINDERS



SUBMIT QUESTIONS TO FACULTY



VIEW CME INFORMATION



VIRTUAL ATTENDEES

Physicians who choose to attend virtually can use the Virtual VIVA app to watch live sessions, access presentation slides, and interact with faculty during the conference. After the conference, all recorded sessions and presentation slides will remain accessible for review.

Note that CME credits are available for sessions attended live, either in person or virtually. Participants may not claim CME credit for watching recorded sessions after the live broadcast. See **pages 4 and 26** for CME information, including which sessions are accredited for virtual attendees.

ACTIVE DUTY MILITARY PHYSICIANS

Active duty military healthcare providers can use the Virtual VIVA app to participate online from any location or base. See **page 31** for complete tuition information and visit viva-foundation.org/register to register for VIVA and The VEINS 2023.



For more information, visit viva-foundation.org/viva-app

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2023 AWARD RECIPIENTS

ATLAS AWARD

The ATLAS (**A** Teacher, **L**eader, **A**nd **S**cholar) Award celebrates the career and impact of physicians who have distinguished themselves as scholars and leaders in their respective vascular fields. The VIVA Foundation is proud to honor the 2023 recipient, Dr. Peter A. Schneider.

Peter A. Schneider, MD, is a Professor of Surgery in the Division of Vascular & Endovascular Surgery at the University of California San Francisco. Dr. Schneider received his MD from the Johns Hopkins School of Medicine and completed a fellowship in vascular surgery at the University of California San Francisco.

Dr. Schneider has been in vascular practice for more than 30 years and was the founding member and chief of the Division of Vascular Surgery at Kaiser Permanente in Hawaii until 2018. He has been a national or site principal investigator of numerous clinical trials. Dr. Schneider is a Distinguished Fellow of the Society for Vascular Surgery and is a past president of the Western Vascular Society and Vascular and Interventional Advances (VIVA). He has been invited to many national and international visiting professorships, served as director, faculty, or course director for scores of specialty courses and performed revascularization procedures in more than a dozen countries. He authored Endovascular Skills, 4th edition published in 2019, and has co-authored three other books on various aspects of vascular disease. He has developed several medical devices and holds numerous patents.



Peter A. Schneider, MD

LIVE AWARD

The LIVE (**A** Leader **I**n Endo**V**ascular **E**ducation) Award recognizes those vascular specialists who have dedicated their professional careers to educating students, postgraduate trainees, and peers in all aspects of vascular medicine and intervention. The VIVA Foundation is pleased to present this award to Professor Marianne Brodmann.

Marianne Brodmann, MD, is a Medical Specialist in angiology and internal medicine at the Medical University of Graz, where she serves as Substitute Head of the Division of Angiology.

Prof. Brodmann has been a member of multiple groups, including the Nucleus Working Group Peripheral Circulation of the ESC and Nucleus DVG (Dachverband Österreichische Gefäßmedizin) and Nucleus ÖGIA. She served as Secretary and Chairperson of the Working Group Peripheral Circulation of ESC and was President of the ÖGIA from 2012-2014. She was president of The European Society of Vascular Medicine (ESVM) from 2017-2018. She has also been a National Delegate of the International Union of Angiology (IUA) since 2005.

Prof. Brodmann's research interests include anticoagulation and thrombolysis, new endovascular technologies in the peripheral field, and evaluation of the nature of restenosis. Additionally, Prof. Brodmann has participated in multiple international clinical trials.



Marianne Brodmann, MD

THE VCA AWARD

VIVA and LINC have collaborated to develop the VCA (**V**ascular **C**are **A**dvancement) Award to recognize young physicians who show promise as potential leaders in the vascular field. The VIVA Foundation is proud to honor Drs. Kush R. Desai and Tatsuya Nakama, who have been selected for their dedication to a philosophy of multidisciplinary vascular care and improving patient outcomes.

Kush R. Desai, MD, is an interventional radiologist and Associate Professor of Radiology, Surgery, and Medicine at Northwestern University. His primary research and clinical interests are in venous thromboembolic disease, deep venous thrombectomy/thrombolysis, reconstruction of chronic venous occlusions, IVC filter management/complex IVC filter retrieval, and interventional pulmonary embolism management. He serves as the national and global principal investigator for numerous clinical trials that are developing strategies and devices to treat deep venous disease, and serves as a reviewer for several journals, including Circulation, Journal of the American College of Cardiology, Journal of Vascular Surgery: Venous and Lymphatic Disorders, and Journal of Vascular and Interventional Radiology.

Tatsuya Nakama, MD, earned his medical degree from the Faculty of Medicine, University of Miyazaki, Miyazaki, Japan. After completing his primary residency program at Miyazaki University Hospital, he started his career as an interventional cardiologist at the Cardiovascular Center of Miyazaki Medical Association Hospital. He currently practices at Tokyo Bay Medical Center, Urayasu, Japan, and is devoted to clinical research, educating young interventional fellows, and contributing to the development of community medicine. He has contributed to many publications regarding the technique, feasibility, and clinical implications of challenging endovascular treatment. He is also listed as the author of the latest PAD treatment guidelines of the Japanese Circulation Society and is active as a principal investigator of several clinical studies. He is particularly passionate about the treatment of chronic limb-threatening ischemia, especially in the endovascular intervention for infrapopliteal and inframalleolar diseases.



Kush R. Desai, MD



Tatsuya Nakama, MD

DIALYSIS

ENDO AVF

Moderator: **Ehrin Armstrong, MD**

Panel: **Lee Kirksey, MD; Paul B. Kreienberg, MD; Sanjay Misra, MD; Elina Quiroga, MD, MPH; Allison Tan, MD; Shant Vartanian, MD**

8:00 - 8:05am	DEBATE: EndoAVF Is the Wave of the Future—Step Aside Open AVF Sanjay Misra, MD
8:05 - 8:10am	DEBATE: Wait a Minute! Surgery Still Plays a Role Lee Kirksey, MD
8:10 - 8:20am	Panel Discussion
8:20 - 8:27am	Patient Selection and Site of Service Considerations for EndoAVF Shant Vartanian, MD
8:27 - 8:30am	Panel Discussion
8:30 - 8:37am	WavelinQ™ Tips, Tricks, and Data Paul B. Kreienberg, MD
8:37 - 8:40am	Panel Discussion
8:40 - 8:47am	Ellipsys™ Tips, Tricks, and Data Elina Quiroga, MD, MPH
8:47 - 8:50am	Panel Discussion
8:50 - 8:57am	I Created an EndoAVF—Now What? Allison Tan, MD
8:57 - 9:00am	Panel Discussion

DCB, LIMUS, & FOLLOW-UP

Moderator: **Niten Singh, MD**

Panel: **Paul B. Kreienberg, MD; Sanjay Misra, MD; Brian J. Schiro, MD; Allison Tan, MD; Shant Vartanian, MD**

Each presentation includes a 5-minute panel discussion.

9:00 - 9:12am	Patients With Dialysis Access: Who, When, and How to Follow-Up Shant Vartanian, MD
9:12 - 9:24am	DCBs for AV Access Maintenance: What Does the Data Show, and Is It for Everyone? Allison Tan, MD
9:24 - 9:36am	What's Next in AV Access Maintenance? Is Limus the Future? Sanjay Misra, MD
9:36 - 9:48am	Tips and Tricks for Complications and Reinterventions in Dialysis Access Paul B. Kreienberg, MD
9:48 - 10:00am	The Role of Stent Grafts in the Era of Drug-Coated Technology for Fistula Maintenance Brian J. Schiro, MD

NURSES + TECHS

VENOUS AND THROMBOEMBOLIC DISORDERS

Moderators: **Ali Moran, DNP, AGACNP; Eric A. Secemsky, MD, MSc**

Panel: **Paul Davis, RN; Peter Monteleone, MD; Christine T. Owen, MS, ACNP-BC, RNFA; Nirmal Sunkara, MD**

8:00 - 8:02am	Welcome and Course Introduction Ali Moran, DNP, AGACNP
8:02 - 8:09am	Chronic Venous Disease: Diagnosis, Classification, and Management Christine T. Owen, MS, ACNP-BC, RNFA
8:09 - 8:16am	Definitive Therapy of Superficial Venous Disorders Nirmal Sunkara, MD
8:16 - 8:23am	Lymphedema: Anatomy, Physiology, and Conservative Management Ali Moran, DNP, AGACNP
8:23 - 8:35am	Panel Discussion
8:35 - 8:42am	Indications for Endovascular Management of DVT Paul Davis, RN
8:42 - 8:49am	Updates on Catheter-Directed Therapy for PE Peter Monteleone, MD
8:49 - 9:00am	Panel Discussion

CARDIOVASCULAR RISK REDUCTION MEASURES

Moderator: **Saher Sabri, MD**

Panel: **Aaron W. Aday, MD, MSc; Marc Bonaca, MD, MPH; Jeff Carr, MD; Paul Davis, RN; Ali Moran, DNP, AGACNP**

9:00 - 9:07am	Smoking Cessation: Options for Treatment Ali Moran, DNP, AGACNP
9:07 - 9:14am	New Advances in PAD Rehabilitation Marc Bonaca, MD, MPH
9:14 - 9:21am	Role of Statin Therapy in Risk Reduction and Other Lipid-Lowering Strategies Paul Davis, RN
9:21 - 9:34am	Panel Discussion
9:34 - 9:41am	Antiplatelet and Low-Dose Anticoagulation in Vascular Disease Aaron W. Aday, MD, MSc
9:41 - 9:48am	Expanding Access to Outpatient Vascular Care Jeff Carr, MD
9:48 - 10:00am	Panel Discussion

MONDAY, OCTOBER 30 • PRE-COURSES

CLTI

ACCESS STRATEGIES FOR CLTI PROCEDURES

Moderator: **D. Christopher Metzger, MD**

Panel: **Yonatan Bitton-Faiwizewski, MD; Arthur Lee, MD; Ramon Varcoe, MBBS, MS, PhD; Bret N. Wiechmann, MD**

- 10:30 - 10:32am** Welcome **D. Christopher Metzger, MD**
10:32 - 10:39am Best Practices for Femoral Access: Retrograde and Antegrade **Bret N. Wiechmann, MD**
10:39 - 10:46am Indications and Techniques for Optimal Tibial Access, and When to Treat From Below
Ramon Varcoe, MBBS, MS, PhD
10:46 - 10:53am Panel Discussion
10:53 - 11:00am Extreme Access: High Tibial and Retrograde SFA Access **Arthur Lee, MD**
11:00 - 11:07am Transradial Endovascular Intervention: When and How to Do Complex Radial Interventions
Yonatan Bitton-Faiwizewski, MD
11:07 - 11:15am Panel Discussion

PROCEDURAL STRATEGIES: PEDAL, ARCH, BTK, BTA

Moderator: **Ehrin Armstrong, MD**

Panel: **Masahiko Fujihara, MD; Elizabeth Genovese, MD; Osamu Iida, MD; Matthew Menard, MD; Brian J. Schiro, MD**

- 11:15 - 11:22am** Wire Escalation Policy: Which Wires to Use and When? **Elizabeth Genovese, MD**
11:22 - 11:29am Algorithm for Crossing and Treating BTK CTOs Using the Tools Available Today **Brian J. Schiro, MD**
11:29 - 11:36am How IVUS-Guided Therapy for BTK Has Improved My Practice **Masahiko Fujihara, MD**
11:36 - 11:49am Panel Discussion
11:49 - 11:56am Pedal Artery Angioplasty: How to Do It, and What Is the Evidence? **Osamu Iida, MD**
11:56am - 12:03pm How Does the BEST-CLI Trial Influence My Practice? **Matthew Menard, MD**
12:03 - 12:15pm Panel Discussion

EMERGING BTK THERAPIES

Moderator: **Ehrin Armstrong, MD**

Panel: **Brian DeRubertis, MD; Bryan Fisher, MD; Misty Humphries, MD; Kumar Madassery, MD; Sahil A. Parikh, MD; John Rollo, MD; Jill Sommerset, RVT**

- 1:30 - 1:37pm** What Is New and Emerging in Wound Management? **Kumar Madassery, MD**
1:37 - 1:44pm Pedal Acceleration Time: The New Method of Assessing Foot Perfusion **Jill Sommerset, RVT**
1:44 - 1:51pm Emerging BTK Trial Design and Endpoints: How Will We Crack the Code? **Misty Humphries, MD**
1:51 - 2:03pm Panel Discussion
2:03 - 2:10pm Atherectomy Devices: New Devices and New Data **Bryan Fisher, MD**
2:10 - 2:17pm Paclitaxel Drug-Coated Balloons in CLTI **John Rollo, MD**
2:17 - 2:24pm Limus-Based BTK Drug-Coated Balloons: What Is the Progress? **Sahil A. Parikh, MD**
2:24 - 2:36pm Panel Discussion
2:36 - 2:43pm Scaffolds: Stents, Tacks, and How They Should Be Used **Ehrin Armstrong, MD**
2:43 - 2:50pm The Promise of Bioabsorbable Vascular Scaffolds **Brian DeRubertis, MD**
2:50 - 3:00pm Panel Discussion

SEVERE VESSEL CALCIFICATION

Moderator: **Elizabeth Genovese, MD**

Panel: **Marianne Brodmann, MD; Bryan Fisher, MD; Steven Kum, MD; Kumar Madassery, MD; Leigh Ann O'Banion, MD**

- 3:30 - 3:37pm** Vessel Prep in Severe Calcification: Atherectomy, IVL, and Specialty Balloons **Leigh Ann O'Banion, MD**
3:37 - 3:44pm Drug Delivery and Outcomes in Highly Calcified Lesions **Marianne Brodmann, MD**
3:44 - 3:51pm IVUS Utilization in Calcific Disease: Facilitating Ideal Outcomes and Identifying Critical Lesion Characteristics **Bryan Fisher, MD**
3:51 - 4:04pm Panel Discussion
4:04 - 4:11pm Scaffolding in Severe Calcium: Options and Outcomes **Kumar Madassery, MD**
4:11 - 4:18pm The Impact of Pedal Calcium: How SAD and MAC Scores Affect CLTI Outcomes **Steven Kum, MD**
4:18 - 4:30pm Panel Discussion

MONDAY, OCTOBER 30 • PRE-COURSES

CLTI *(continued)*

DEEP VEIN ARTERIALIZATION

Moderator: **Venita Chandra, MD**

Panel: **Daniel Clair, MD; Arthur Lee, MD; Brian D. Lepow, DPM; Miguel Montero-Baker, MD; Zola N'Dandu, MD**

- 4:30 - 4:37pm** Who Is the Best Candidate for DVA? **Daniel Clair, MD**
4:37 - 4:44pm Hybrid Superficial Venous ArterIALIZATION: Patient Selection, Preoperative Planning, and Operative Tips and Tricks **Miguel Montero-Baker, MD**
4:44 - 4:51pm Creating an Endovascular DVA Practice: Critical Resources, Training, and Procedural Steps **Arthur Lee, MD**
4:51 - 5:04pm Panel Discussion
5:04 - 5:11pm DVA: Patterns of Failure, Surveillance, and Maintenance **Zola N'Dandu, MD**
5:11 - 5:18pm Wound Management After DVA **Brian D. Lepow, DPM**
5:18 - 5:30pm Panel Discussion

AORTIC

INNOVATIONS & NEW HORIZONS

Moderator: **Niten Singh, MD**

Panel: **Matthew Eagleton, MD; Sukgu M. Han, MD; Joseph Lombardi, MD, MBA; Constantino Peña, MD; Brian J. Schiro, MD; Benjamin Starnes, MD; Jordan R. Stern, MD; Sara L. Zettervall, MD, MPH**

- 1:30 - 1:32pm** Welcome **Niten Singh, MD**
1:32 - 1:39pm Novel Therapies to Stop AAAs From Growing: What Is the Status? **Matthew Eagleton, MD**
1:39 - 1:46pm Aortic Fixation Methods: Advancements in Anchoring Techniques **Constantino Peña, MD**
1:46 - 1:53pm Thoracic Branch Endografting: Early Lessons Learned **Sara L. Zettervall, MD, MPH**
1:53 - 2:05pm Panel Discussion
2:05 - 2:12pm The Future of Custom-Made Devices (CMD) **Benjamin Starnes, MD**
2:12 - 2:19pm When Will I Have a Commercial Branch Device? **Joseph Lombardi, MD, MBA**
2:19 - 2:26pm Benefits and Limitations of a Physician-Modified Endograft (PMEG) IDE **Sukgu M. Han, MD**
2:26 - 2:38pm Panel Discussion
2:38 - 2:45pm Improvements in Image Guidance to Eliminate Radiation Exposure: Centerline, FORS **Brian J. Schiro, MD**
2:45 - 2:52pm Improvements in Image Guidance to Eliminate Radiation Exposure: Cydar **Jordan R. Stern, MD**
2:52 - 3:00pm Panel Discussion

RE-INTERVENTIONS AND ENDOLEAKS

Moderator: **Jason T. Lee, MD**

Panel: **Mark F. Conrad, MD; Javairiah Fatima, MD; Lindsay Machan, MD; Constantino Peña, MD; Darren B. Schneider, MD**

- 3:30 - 3:37pm** When to Go Transcaval or Translumbal **Lindsay Machan, MD**
3:37 - 3:44pm When to Go Transarterial: IMA vs Hypogastric **Constantino Peña, MD;**
3:44 - 3:51pm When to Go Through the Graft or Behind It **Darren B. Schneider, MD**
3:51 - 4:04pm Panel Discussion
4:04 - 4:11pm Type 1A: How to Decide to Redo EVAR, FEVAR, or CHIMPS **Javairiah Fatima, MD**
4:11 - 4:18pm Open Adjunct/Explants: When Do I Call It Quits? **Mark F. Conrad, MD**
4:18 - 4:30pm Panel Discussion

THORACIC DISSECTION/TAAA

Moderator: **Caitlin W. Hicks, MD, MS**

Panel: **Frank Caputo, MD; Javairiah Fatima, MD; Jade S. Hiramoto, MD; Minhaj S. Khaja, MD, MBA; Gustavo S. Oderich, MD**

- 4:30 - 4:37pm** Visceral Adjuncts After TEVAR for Acute Dissection **Jade S. Hiramoto, MD**
4:37 - 4:44pm Thoracic Aortic Issues and Potential Solutions After Type A **Javairiah Fatima, MD**
4:44 - 4:51pm False Lumen Obliteration Techniques: How and Why **Minhaj S. Khaja, MD, MBA**
4:51 - 5:04pm Panel Discussion
5:04 - 5:11pm Is Endo Ready for Prime Time in Connective Tissue Disorder? **Gustavo S. Oderich, MD**
5:11 - 5:18pm Open TAAA: When and Why **Frank Caputo, MD**
5:18 - 5:30pm Panel Discussion

MONDAY, OCTOBER 30 • PRE-COURSES

PHARMACORx

PAD

Moderator: **Joshua Beckman, MD**

Panel: **Aaron W. Aday, MD, MSc; Eri Fukaya, MD, PhD; Matthew Menard, MD; Ramon Varcoe, MBBS, MS, PhD; Ido Weinberg, MD**

2:00 - 2:07pm	Methods to Distinguish Causes of Leg Pain Eri Fukaya, MD, PhD
2:07 - 2:14pm	Predictors of Success in Supervised Exercise Therapy Aaron W. Aday, MD, MSc
2:14 - 2:21pm	Do Any PAD Medicines Really Make People Walk Better? Ramon Varcoe, MBBS, MS, PhD
2:21 - 2:34pm	Panel Discussion
2:34 - 2:41pm	Medications That May Reduce Amputation in At-Risk Patients Ido Weinberg, MD
2:41 - 2:48pm	Is Rivaroxaban Just for Endo Patients, or Does It Work With Surgery, Too? Matthew Menard, MD
2:48 - 3:00pm	Panel Discussion

VTE

Moderator: **Teresa L. Carman, MD**

Panel: **Aaron W. Aday, MD, MSc; Marc Bonaca, MD, MPH; Yogen Kanthi, MD; Akhilesh Sista, MD**

3:30 - 3:37pm	COVID and Venous and Arterial Thrombotic Events Yogen Kanthi, MD
3:37 - 3:44pm	Anticoagulation in COVID Outpatients Marc Bonaca, MD, MPH
3:44 - 3:51pm	Update on Factor XI Inhibitors Teresa L. Carman, MD
3:51 - 4:04pm	Panel Discussion
4:04 - 4:11pm	Anticoagulation Management Around Pulmonary Thrombectomy Akhilesh Sista, MD
4:11 - 4:18pm	When DOACs Are Not the First Choice in VTE Aaron W. Aday, MD, MSc
4:18 - 4:30pm	Panel Discussion

PHARMACORx POTPOURRI

Moderator: **Esther S.H. Kim, MD, MPH**

Panel: **Joshua Beckman, MD; Scott Cameron, MD, PhD; Daniella Kadian-Dodov, MD; Benjamin Starnes, MD**

4:30 - 4:37pm	Medical Management of Type B Aortic Dissection Benjamin Starnes, MD
4:37 - 4:44pm	Is Our Long National Nightmare of PTX Finally Over? Joshua Beckman, MD
4:44 - 4:51pm	Electronic or Combustion: Smoking Cessation Therapies Daniella Kadian-Dodov, MD
4:51 - 5:04pm	Panel Discussion
5:04 - 5:11pm	Medical Management of SCAD and Other Non-Aortic Dissections Esther S.H. Kim, MD, MPH
5:11 - 5:18pm	Should We Use Aspirin in FMD? Scott Cameron, MD, PhD
5:18 - 5:30pm	Panel Discussion



MORNING TRACKS CLTI

CLTI: BEST OF THE BEST & WORST OF THE WORST CASES

Moderator: **D. Christopher Metzger, MD**

Panel: **Misty Humphries, MD; Lindsay Machan, MD; Ravish Sachar, MD; Peter A. Soukas, MD**

Each presentation includes a 7-minute panel discussion.

- 7:00 - 7:14am** My Best of Case of the Year **Ravish Sachar, MD**
- 7:14 - 7:28am** My Best of Case of the Year **Lindsay Machan, MD**
- 7:28 - 7:42am** Not What I Expected **Peter A. Soukas, MD**
- 7:42 - 7:55am** Not What I Expected **Misty Humphries, MD**

AORTIC

ACUTE AORTIC EMERGENCIES

Moderator: **Sean Lyden, MD**

Panel: **Frank Caputo, MD; Sukgu M. Han, MD; Constantino Peña, MD; Elina Quiroga, MD, MPH; Jessica Simons, MD, MPH**

- 7:00 - 7:08am** Laser Fenestration in Ruptured Aorta **Sukgu M. Han, MD**
- 7:08 - 7:16am** Is REBOA Dead? **Elina Quiroga, MD, MPH**
- 7:16 - 7:24am** Juxtarenal Ruptures: Available Options **Jessica Simons, MD, MPH**
- 7:24 - 7:33am** Panel Discussion
- 7:33 - 7:41am** DEBATE: Acute Aortic Occlusion—Still Needs an Open Operation **Frank Caputo, MD**
- 7:41 - 7:49am** DEBATE: Acute Aortic Occlusion—Only Endo Now **Constantino Peña, MD**
- 7:49 - 7:55am** Panel Discussion

NURSES + TECHS

PERIPHERAL ARTERIAL DISEASE

Moderator: **Saher Sabri, MD**

Panel: **Brian D. Lepow, DPM; Ali Moran, DNP, AGACNP; Zola N'Dandu, MD; Christine T. Owen, MS, ACNP-BC, RNFA; Gaurav Rana, MD**

- 8:00 - 8:07am** PAD: Anatomy, Physiology, Physical Exam **Christine T. Owen, MS, ACNP-BC, RNFA**
- 8:07 - 8:14am** When to Refer for Revascularization in Claudication **Gaurav Rana, MD**
- 8:14 - 8:21am** Lower Extremity PAD: Case Presentation **Ali Moran, DNP, AGACNP**
- 8:21 - 8:34am** Panel Discussion
- 8:34 - 8:41am** CLTI: New Approaches to Revascularization **Zola N'Dandu, MD**
- 8:41 - 8:48am** Wound Management Post-CLTI Revascularization **Brian D. Lepow, DPM**
- 8:48 - 9:00am** Panel Discussion

RENAL, MESENTERIC, & OTHER VASCULAR DISORDERS

Moderator: **Parag J. Patel, MD, MS**

Panel: **Mark F. Conrad, MD; Jake Hemingway, MD; Sasanka Jayasuriya, MD; Daniella Kadian-Dodov, MD; Sanjay Misra, MD; Miguel Montero-Baker, MD**

- 9:00 - 9:07am** The Many Faces of Fibromuscular Dysplasia **Sanjay Misra, MD**
- 9:07 - 9:14am** Field Guide to Vasculitis **Daniella Kadian-Dodov, MD**
- 9:14 - 9:21am** Renal Artery Stenosis: Management and When to Stent **Miguel Montero-Baker, MD**
- 9:21 - 9:30am** Panel Discussion
- 9:30 - 9:37am** Mesenteric Ischemia Interventions **Jake Hemingway, MD**
- 9:37 - 9:44am** Screening and Management of Aortic Aneurysms **Mark F. Conrad, MD**
- 9:44 - 9:51am** Medical Therapy, Stents, and Endarterectomy for CAD—Is There Really a Difference? **Sasanka Jayasuriya, MD**
- 9:51 - 10:00am** Panel Discussion



8:00 - 8:10am **WELCOME TO VIVA 2023** Raghu Kolluri, MD, MS

8:10 - 9:25am **LINC AT VIVA: LIVE CASE DEMONSTRATION**

University Hospital Leipzig
Live Case Site Operator: **Andrej Schmidt, MD**
Leipzig, Germany

Moderators: **Dierk Scheinert, MD; Peter A. Schneider, MD**

Panel: **Marianne Brodmann, MD; Bryan Fisher, MD; Maureen P. Kohi, MD; Steven Kum, MD; Ramon Varcoe, MBBS, MS, PhD; Thomas Zeller, MD, PhD**

2023 AWARD PRESENTATIONS

9:25 - 9:32am ATLAS Award: **A Teacher, Leader, And Scholar**
Presenter: **Niten Singh, MD**
Recipient: **Peter A. Schneider, MD**

9:32 - 9:54am ATLAS Lecture: **Passionate About Vascular Care: Growing in an Era of Change and Challenge**
Peter A. Schneider, MD

9:54 - 10:01am LIVE Award: **A Leader In Vascular Education**
Presenter: **Venita Chandra, MD**
Recipient: **Marianne Brodmann, MD**

10:01 - 10:15am VCA Award: **Vascular Career Advancement**
Presenters: **Maureen P. Kohi, MD; Dierk Scheinert, MD**
Recipients: **Kush R. Desai, MD; Tatsuya Nakama, MD**

10:45am - 12:00pm **LATE-BREAKING CLINICAL TRIALS**

Moderator: **Sean Lyden, MD**

Panel: **Marc Bonaca, MD, MPH; Venita Chandra, MD; Misty Humphries, MD; Saher Sabri, MD; Eric A. Secemsky, MD, MSc**

EMERGING TECHNOLOGIES: STATE OF THE ART

Moderator: **Tony Das, MD**

Panel: **Mark J. Garcia, MD; Jay Giri, MD, MPH; Sean Lyden, MD; Parag J. Patel, MD, MS; Mahmood Razavi, MD; Sara L. Zettervall, MD, MPH**

1:15 - 1:22pm Carotid **Sean Lyden, MD**
1:22 - 1:29pm Aortic **Sara L. Zettervall, MD, MPH**
1:29 - 1:36pm Deep Venous **Mahmood Razavi, MD**
1:36 - 1:41pm Panel Discussion
1:41 - 1:48pm PE **Jay Giri, MD, MPH**
1:48 - 1:55pm Imaging **Mark J. Garcia, MD**
1:55 - 2:00pm Panel Discussion

2:00 - 3:15pm **LIVE CASE DEMONSTRATION**

Advanced Heart and Vein Center
Live Case Site Operator: **Ehrin Armstrong, MD**
Denver, Colorado

Moderator: **D. Christopher Metzger, MD**

Panel: **Lawrence A. Garcia, MD; Elizabeth Genovese, MD; Sasanka Jayasuriya, MD; Jason T. Lee, MD; Constantino Peña, MD; Brian J. Schiro, MD; Darren B. Schneider, MD**

3:45 - 4:30pm **LATE-BREAKING CLINICAL TRIALS**

Moderator: **Maureen P. Kohi, MD**

Panel: **Subhash Banerjee, MD; Raghu Kolluri, MD, MS; Parag J. Patel, MD, MS; Ravish Sachar, MD; Ramon Varcoe, MBBS, MS, PhD**



(continued)

LINC AT VIVA: ARE WE MAKING PROGRESS ON COMPLEX FEMOROPOPLITEAL OCCLUSIVE DISEASE?

Moderators: **Raghu Kolluri, MD, MS; Dierk Scheinert, MD**

Panel: **Marianne Brodmann, MD; Ramon Varcoe, MBBS, MS, PhD; Thomas Zeller, MD, PhD**

- 4:30 - 4:37pm** Vessel Preparation Makes the Difference In Better Results for All Femoropopliteal Technologies **Marianne Brodmann, MD**
- 4:37 - 4:44pm** Current Management of Long Segment CTOs In the Fem-Pop Segment: What Are the Options? **Ramon Varcoe, MBBS, MS, PhD**
- 4:44 - 4:52pm** Panel Discussion
- 4:52 - 4:59pm** The Leipzig Approach to Fem-Pop Drug Delivery After Originating, Guiding, and Participating In Numerous Clinical Trials **Dierk Scheinert, MD**
- 4:59 - 5:06pm** 10 Years From Now, What Will Be State-of-the-Art in Fem-Pop Revascularization? **Thomas Zeller, MD, PhD**
- 5:06 - 5:15pm** Panel Discussion



THE ROUNDTABLE

BEST-CLI: DISSECTING THE DATA

Moderator: **Kenneth Rosenfield, MD, MHCDS**

Panel: **Yolanda Bryce, MD; Robert Lookstein, MD, MHC DL; Matthew Menard, MD; Vincent Rowe, MD; Peter A. Schneider, MD; Eric A. Secemsky, MD, MSc**

Each presentation includes a 5-minute panel discussion.

- 1:15 - 1:27pm** Does BEST-CLI Reflect the Population We See? **Eric A. Secemsky, MD, MSc**
- 1:27 - 1:39pm** Trial Endpoints **Peter A. Schneider, MD**
- 1:39 - 1:51pm** Gaps in the Data **Robert Lookstein, MD, MHC DL**
- 1:51 - 2:03pm** Gaps in Diversity **Yolanda Bryce, MD**
- 2:03 - 2:15pm** Lessons Learned: How to Execute a Trial Like This **Matthew Menard, MD**

INNOVATIONS

Moderator: **Peter A. Schneider, MD**

Panel: **Jeff Carr, MD; Tony Das, MD; Lindsay Machan, MD; Mahmood Razavi, MD; Jessica Simons, MD, MPH; Ronald S. Winokur, MD**

Each presentation includes a 3-minute panel discussion.

- 2:15 - 2:25pm** How Can Doctors With Ideas Get Started? **Lindsay Machan, MD**
- 2:25 - 2:35pm** How Does the Regulatory and Reimbursement Landscape Affect the Pace and Cost of New Devices? **Mahmood Razavi, MD**
- 2:35 - 2:45pm** Considerations for Early Clinical Device Testing: Experiences in First-in-Human Procedures **Ronald S. Winokur, MD**
- 2:45 - 2:55pm** My Experience With IDE Trials and Their Role in the Advancement of Science **Jessica Simons, MD, MPH**
- 2:55 - 3:05pm** Does the Move Toward Outpatient Care Increase or Decrease Innovation? **Jeff Carr, MD**
- 3:05 - 3:15pm** The Promise of AI and Digital Health, and the Impact on Patient Care **Tony Das, MD**

FDA

Moderator: **Peter A. Schneider, MD**

- 4:30 - 4:38pm** How Is the FDA Promoting Healthcare Innovation and Timely Access?
- 4:38 - 4:46pm** Incorporating Patient Perspectives and Diversity in Clinical Evaluation
- 4:46 - 4:54pm** Tips for Having Productive Interactions With the FDA
- 4:54 - 5:02pm** The Care and Feeding of IDEs: Lessons From an Experienced PI
- 5:02 - 5:15pm** Panel Discussion

Tuesday's Concurrent Sessions

NURSES + TECHS

8:00 - 10:00am
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VIVA FACE-OFF

11:00 - 11:40am
2:20 - 3:15pm
Pages 23 - 24

THE ROUNDTABLE

1:15 - 3:15pm
4:30 - 5:15pm
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★ STRATEGIES ON THE FRONTLINE ★

1:15 - 2:55pm
4:30 - 5:15pm
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★ STRATEGIES ON THE FRONTLINE ★

Non-CME

ACUTE LIMB ISCHEMIA

Moderator: **Maureen P. Kohi, MD**

Panel: **Yonatan Bitton-Faiwizewski, MD; Mark F. Conrad, MD; Sukgu M. Han, MD; Lee Kirksey, MD; Bret N. Wiechmann, MD**
Each presentation includes a 3-minute panel discussion.

1:15 - 1:25pm	Endovascular Clot Extraction Case Yonatan Bitton-Faiwizewski, MD
1:25 - 1:35pm	Open Thrombectomy: How to Make the Choice Sukgu M. Han, MD
1:35 - 1:45pm	When to Go Straight to Lysis Bret N. Wiechmann, MD
1:45 - 1:55pm	Fasciotomy: When and How Lee Kirksey, MD
1:55 - 2:05pm	Amputation Mark F. Conrad, MD

DEEP VEIN THROMBOSIS/PULMONARY EMBOLISM (DVT/PE)

Moderator: **Parag J. Patel, MD, MS**

Panel: **Brian DeRubertis, MD; Claire Kaufman, MD; Minhaj S. Khaja, MD, MBA; Arthur Lee, MD; Peter Monteleone, MD**
Each presentation includes a 3-minute panel discussion.

2:05 - 2:15pm	Challenging Acute PE Case Arthur Lee, MD
2:15 - 2:25pm	Dealing With DVT: Clot Extraction Minhaj S. Khaja, MD, MBA
2:25 - 2:35pm	Dealing With DVT: Multimodal Therapy Peter Monteleone, MD
2:35 - 2:45pm	IVC Filter Complication Brian DeRubertis, MD
2:45 - 2:55pm	May-Thurner Case With Clot Extraction and Stenting Claire Kaufman, MD

CLTI: FEMOROPOPLITEAL

Moderator: **Sean Lyden, MD**

Panel: **Patrick Geraghty, MD; Zola N'Dandu, MD; Sahil A. Parikh, MD; Katherine Schuetze, MD**
Each presentation includes a 3-minute panel discussion.

4:30 - 4:39pm	Challenging CTO Case Katherine Schuetze, MD
4:39 - 4:48pm	Challenging Calcium Case Zola N'Dandu, MD
4:48 - 4:57pm	Choosing the Right Scaffold Sahil A. Parikh, MD
4:57 - 5:06pm	Retrograde Access Case Patrick Geraghty, MD
5:06 - 5:15pm	Open Salvage Case Matthew Menard, MD

SIMULATOR SHOWCASE

Non-CME

The simulator session will help you plan for technical success, offering hands-on experience to enhance your skill set.

1:15 - 3:15pm

Open to all attendees; required for Physicians-in-Training program attendees



MORNING TRACKS

CLTI

TIPS & TRICKS FOR CTOs

Moderator: **D. Christopher Metzger, MD**

Panel: **Elizabeth Genovese, MD; Osamu Iida, MD; Sasanka Jayasuriya, MD; John Rollo, MD; Srini Tummala, MD**

- 7:00 - 7:07am** My Wire Selection and Escalation Strategies During CLTI Cases **John Rollo, MD**
7:07 - 7:14am Catheters I Use to Cross Severe Lesions and CTOs for CLTI Cases—Are Specialty Catheters Needed, and Which Ones? **Elizabeth Genovese, MD**
7:14 - 7:21am Review of Re-Entry Devices: When and How I Use Them **Sasanka Jayasuriya, MD**
7:21 - 7:32am Panel Discussion
7:32 - 7:39am Alternative Access Strategies to Increase Success in Complex CLTI Cases **Osamu Iida, MD**
7:39 - 7:46am The Appropriate Use of Imaging Adjuncts (Ultrasound, IVUS, etc) During CLTI Interventions **Srini Tummala, MD**
7:46 - 7:55am Panel Discussion

AORTIC

HOW I DO IT

Moderator: **Parag J. Patel, MD, MS**

Panel: **J. Fritz Angle, MD; Caitlin W. Hicks, MD, MS; Jason T. Lee, MD; Darren B. Schneider, MD; Brant W. Ullery, MD, MBA**

- 7:00 - 7:08am** Cheese Wire Fenestration of Septum **J. Fritz Angle, MD**
7:08 - 7:16am Device Modification **Darren B. Schneider, MD**
7:16 - 7:24am Endovascular Treatment of Coarctation **Caitlin W. Hicks, MD, MS**
7:24 - 7:33am Panel Discussion
7:33 - 7:41am De-Branching Techniques of the Arch Post TBE Approval **Brant W. Ullery, MD, MBA**
7:41 - 7:49am “STABILISE” Techniques **Jason T. Lee, MD**
7:49 - 7:55am Panel Discussion

HARMONIZATION BY DOING

Non-CME

WELCOME & OVERVIEW

- 2:00 - 2:05pm** Introduction
2:05 - 2:15pm Overview of U.S.-Japan Collaboration
2:15 - 2:25pm Case Example of a U.S.-Japan Clinical Study and Lessons Learned

REAL-WORLD CLINICAL EVIDENCE & REGISTRIES

- 2:25 - 2:35pm** U.S. Regulatory Perspective
2:35 - 2:45pm Japanese Regulatory Perspective
2:45 - 2:55pm Clinical Experience and Implications for Global Registry Use
2:55 - 3:15pm Panel Discussion

DIGITAL HEALTH & AI TECHNOLOGIES

- 3:45 - 3:55pm** Regulatory Efforts to Promote Digital Health Use and Innovation
3:55 - 4:05pm Clinical Digital Health Use and Needs With Respect to Vascular Disease
4:05 - 4:25pm Panel Discussion

VENOUS DISEASE

- 4:25 - 4:35pm** The Japanese Regulatory Landscape
4:35 - 4:45pm The Role of Imaging for Venous Disease: U.S. vs Japan
4:45 - 4:55pm Recent Experience With Venous Intervention
4:55 - 5:15pm Panel Discussion

HANDS-ON VASCULAR INNOVATION LAB

This cadaver lab offers a unique opportunity to explore vascular techniques using artificially revascularized specimens. These limbs provide a pulsatile, lifelike “blood flow” and are the perfect model for practicing:

- Atherectomy
- Vessel prep
- Retrograde/deep vessel access
- Stent placement

WEDNESDAY, NOVEMBER 1



8:00 - 8:05am **REVIEW OF TUESDAY LIVE CASES** **Peter A. Schneider, MD**

8:05 - 9:20am **LIVE CASE DEMONSTRATION**

MedStar Georgetown University Hospital
Live Case Site Operator: **Saher Sabri, MD**
Washington, DC

Moderator: **Peter A. Schneider, MD**

Panel: **Yolanda Bryce, MD; Joseph Campbell, MD; Brian DeRubertis, MD; Robert Lookstein, MD, MHC DL; Miguel Montero-Baker, MD; Kenneth Rosenfield, MD, MHC DS**

IMPROVING VASCULAR CARE FOR THE DISADVANTAGED: IS THERE HOPE ON THE HORIZON?

Moderator: **Niten Singh, MD**

Panel: **Joshua Beckman, MD; Bryan Fisher, MD; Elina Quiroga, MD, MPH; Vincent Rowe, MD; Eric A. Secemsky, MD, MSc**

9:20 - 9:28am How Can We Incentivize People to Practice in Underserved Areas? What Resources Are Available? **Vincent Rowe, MD**

9:28 - 9:36am Amputation Trends Around the Country **Eric A. Secemsky, MD, MSc**

9:36 - 9:44am Understanding and Combating Bias in Research **Elina Quiroga, MD, MPH**

9:44 - 9:53am Panel Discussion

9:53 - 10:01am Shooting for the Stars, or Setting Achievable Goals? **Joshua Beckman, MD**

10:01 - 10:09am Putting it All Together: Who Is Doing This the Right Way? **Bryan Fisher, MD**

10:09 - 10:15am Panel Discussion

10:45am - 12:00pm **LATE-BREAKING CLINICAL TRIALS**

Moderator: **Peter A. Schneider, MD**

Panel: **Ehrin Armstrong, MD; Marianne Brodmann, MD; Patrick Geraghty, MD; Constantino Peña, MD; Jordan R. Stern, MD**

INVENTING THE BTK ALGORITHM

Moderator: **Gary Ansel, MD**

Panel: **Marianne Brodmann, MD; Daniel Clair, MD; Lawrence A. Garcia, MD; Sahil A. Parikh, MD; Srinu Tummala, MD**

1:15 - 1:22pm My Current Algorithm: What Works for Me With the Devices I Have **Srinu Tummala, MD**

1:22 - 1:29pm Specialty Devices **Sahil A. Parikh, MD;**

1:29 - 1:36pm DVA **Daniel Clair, MD**

1:36 - 1:41pm Panel Discussion

1:41 - 1:48pm International Perspectives **Marianne Brodmann, MD**

1:48 - 1:55pm What We've Learned From Failed BTK Trials **Lawrence A. Garcia, MD**

1:55 - 2:00pm Panel Discussion

2:00 - 3:15pm **LIVE CASE DEMONSTRATION**

UW Medicine–Harborview Medical Center
Live Case Operator: **Sara Zettervall, MD, MPH**
Seattle, Washington

Moderator: **Niten Singh, MD**

Panel: **J. Fritz Angle, MD; Jade S. Hiramoto, MD; Jason T. Lee, MD; Joseph Lombardi, MD, MBA; D. Christopher Metzger, MD; Darren B. Schneider, MD; Jessica Simons, MD, MPH**

WEDNESDAY, NOVEMBER 1



(continued)

3:45 - 4:30pm LATE-BREAKING CLINICAL TRIALS

Moderator: **Parag J. Patel, MD, MS**

Panel: **Joshua Beckman, MD; Venita Chandra, MD; Sean Lyden, MD; John Rollo, MD; Peter A. Soukas, MD**

EXPLORING OFFICE-BASED LABS

Moderator: **Ehrin Armstrong, MD**

Panel: **Tony Das, MD; Brian DeRubertis, MD; Caitlin W. Hicks, MD, MS; Miguel Montero-Baker, MD; Mahmood Razavi, MD**

4:30 - 4:37pm The Benefits of OBLs Are Clear and This Is the Direction We Should Be Headed **Brian DeRubertis, MD**

4:37 - 4:44pm Hold On—The Drawbacks of OBLs Outweigh the Benefits **Mahmood Razavi, MD**

4:44 - 4:49pm Panel Discussion

4:49 - 4:56pm Changing the Perception of OBLs—Why It Matters **Caitlin W. Hicks, MD, MS**

4:56 - 5:03pm What Does the Future Hold for OBLs? **Tony Das, MD**

5:03 - 5:15pm Panel Discussion

VIVA RECEPTION

Wednesday, November 1

5:15 - 7:15pm

Join your colleagues at the VIVA Reception following the conclusion of all sessions on Wednesday, November 1. We will convene at the Sunset Pool to enjoy food, drinks, and entertainment. Admission to the reception is included in your course registration. Guest tickets may be purchased for an additional fee.



Wednesday Concurrent Sessions

THE ROUNDTABLE

8:05 - 9:55am

1:15 - 3:15pm

4:30 - 5:15pm

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★ STRATEGIES ON THE FRONTLINE ★

8:05 - 9:55am

1:15 - 2:55pm

4:30 - 5:15pm

Page 21

VIVA FACE-OFF

8:05 - 10:10am

1:15 - 2:00pm

Pages 23-24

HARMONIZATION BY DOING

2:00 - 3:15pm

3:45 - 5:00pm

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THE ROUNDTABLE

CAROTID

Moderator: **Sean Lyden, MD**

Panel: **Tony Das, MD; D. Christopher Metzger, MD; Adnan Siddiqui, MD, PhD; Jessica Simons, MD, MPH; Ido Weinberg, MD**
Each presentation includes a 4-minute panel discussion.

- 8:05 - 8:16am** How to Safely Perform Low-Risk Transfemoral Carotid Artery Stenting, and In Which Patients? **D. Christopher Metzger, MD**
- 8:16 - 8:27am** Update on TCAR, and How I Choose Between TCAR and Transfemoral CAS **Adnan Siddiqui, MD, PhD**
- 8:27 - 8:38am** With TCAR and TF-CAS, is CEA Still the Gold Standard? When CEA Is Clearly Best in My Practice **Jessica Simons, MD, MPH**
- 8:38 - 8:49am** Recent Data Presented in Support of a CAS Change in the National Coverage Decision: What Is the Update on the NCD? **Tony Das, MD**
- 8:49 - 9:00am** So Many Options for Treating Carotid Disease: How Do I Choose? **Ido Weinberg, MD**

THORACIC AORTIC PATHOLOGY

Moderator: **Venita Chandra, MD**

Panel: **J. Fritz Angle, MD; Caitlin W. Hicks, MD, MS; Minhaj S. Khaja, MD, MBA; Joseph Lombardi, MD, MBA; Brian J. Schiro, MD**
Each presentation includes a 4-minute panel discussion.

- 9:00 - 9:11am** Defining Acute Pathology: PAU, IMH, Type B Dissection **J. Fritz Angle, MD**
- 9:11 - 9:22am** Treatment Options for Acute Pathology **Caitlin W. Hicks, MD, MS**
- 9:22 - 9:33am** Imaging for Acute Pathology **Brian J. Schiro, MD**
- 9:33 - 9:44am** When to Intervene for Chronic Type B Dissection **Joseph Lombardi, MD, MBA**
- 9:44 - 9:55am** Monitoring Strategies After Intervention: How Often and When to Reintervene **Minhaj S. Khaja, MD, MBA**

WOUND CARE

Moderator: **Raghu Kolluri, MD, MS**

Panel: **Eri Fukaya, MD, PhD; Brian D. Lepow, DPM; Kumar Madassery, MD; Vincent Rowe, MD; Ido Weinberg, MD**
Each presentation includes a 5-minute panel discussion.

- 1:15 - 1:27pm** Wound Etiology **Ido Weinberg, MD**
- 1:27 - 1:39pm** Patient-Specific Decisions: Determining Appropriate Time, Resources, and Management of Vascular Wounds **Vincent Rowe, MD**
- 1:39 - 1:51pm** How to Choose Biologic Agents to Assist in Wound Healing **Brian D. Lepow, DPM**
- 1:51 - 2:03pm** When to Use Hyperbaric Oxygen **Eri Fukaya, MD, PhD**
- 2:03 - 2:15pm** Multidisciplinary Approach: Working Well With Others **Kumar Madassery, MD**

LINC AT VIVA: CONQUERING CALCIUM

Moderators: **Dierk Scheinert, MD; Peter A. Schneider, MD**

Panel: **Joshua Beckman, MD; Masahiko Fujihara, MD; Steven Kum, MD; Thomas Zeller, MD, PhD**
Each presentation includes a 5-minute panel discussion.

- 2:15 - 2:27pm** Vascular Calcification: What Are the Causes and Why Is It Getting Worse? **Steven Kum, MD**
- 2:27 - 2:39pm** Morphology of Calcium in Various Vascular Beds and How It Impacts Care **Masahiko Fujihara, MD**
- 2:39 - 2:51pm** What Is the Best Way to Assess Vascular Calcification and What Is the Clinical Impact? **Thomas Zeller, MD, PhD**
- 2:51 - 3:03pm** Debulking of Calcified Fem-Pop Lesions: When Is It Indicated?
- 3:03 - 3:15pm** Calcification in Dialysis Patients: Managing the Worst-Case Scenario **Joshua Beckman, MD**

COMPREHENSIVE VASCULAR CARE

Moderator: **Raghu Kolluri, MD, MS**

Panel: **Joseph Campbell, MD; Daniel Clair, MD; Esther S.H. Kim, MD, MPH; Lee Kirksey, MD**
Each presentation includes a 5-minute panel discussion.

- 4:30 - 4:41pm** How to Implement and Optimize QI Programs **Daniel Clair, MD**
- 4:41 - 4:52pm** Supervised Exercise Programs—Why Isn't Anyone Using Them? **Joseph Campbell, MD**
- 4:52 - 5:03pm** Implementation of Appropriate Guideline-Based Medical Management **Esther S.H. Kim, MD, MPH**
- 5:03 - 5:15pm** The Role of Wound Centers in Comprehensive Vascular Care **Lee Kirksey, MD**

★ STRATEGIES ON THE FRONTLINE ★

Non-CME

CLTI: ISOLATED TIBIAL DISEASE

Moderator: **Eric A. Secemsky, MD, MSc**

Panel: **Masahiko Fujihara, MD; Lawrence A. Garcia, MD; Misty Humphries, MD; Steven Kum, MD; Ramon Varcoe, MBBS, MS, PhD**

Each presentation includes a 4-minute panel discussion.

8:05 - 8:16am	Atherectomy Lawrence A. Garcia, MD
8:16 - 8:27am	Scaffolding Ramon Varcoe, MBBS, MS, PhD
8:27 - 8:38am	DVA Steven Kum, MD
8:38 - 8:49am	Bypass Misty Humphries, MD
8:49 - 9:00am	Specialty Balloon Masahiko Fujihara, MD

MY LONELIEST CASE & WHAT I LEARNED

Moderator: **Parag J. Patel, MD, MS**

Panel: **Yulanka Castro, MD; Mark J. Garcia, MD; Darren B. Schneider, MD; Peter A. Soukas, MD; Jordan R. Stern, MD**

Each presentation includes a 4-minute panel discussion.

9:00 - 9:11am	AAA Case Darren B. Schneider, MD
9:11 - 9:22am	Thoracic Case Jordan R. Stern, MD
9:22 - 9:33am	Aortoiliac Occlusion Case Mark J. Garcia, MD
9:33 - 9:44am	Femoropopliteal Case Peter A. Soukas, MD
9:44 - 9:55am	Tibial Case Yulanka Castro, MD

PAGING THE VASCULAR SPECIALIST: THINKING ON THE FLY

Moderator: **Sean Lyden, MD**

Panel: **Yolanda Bryce, MD; Joseph Campbell, MD; Frank Caputo, MD; Bart Dolmatch, MD; Adnan Siddiqui, MD, PhD**

Each presentation includes a 3-minute panel discussion.

1:15 - 1:25pm	Dialysis Access Disaster Bart Dolmatch, MD
1:25 - 1:35pm	Large Bore Access Frank Caputo, MD
1:35 - 1:45pm	Carotid Blowout Adnan Siddiqui, MD, PhD
1:45 - 1:55pm	Misadventures in Line Placement Yolanda Bryce, MD
1:55 - 2:05pm	Cardiac Cath Lab Disaster Joseph Campbell, MD

PAIN IN THE NECK

Moderator: **Kenneth Rosenfield, MD, MHCDS**

Panel: **Misty Humphries, MD; Esther S.H. Kim, MD, MPH; Adnan Siddiqui, MD, PhD; Brant W. Ullery, MD, MBA**

Each presentation includes a 3-minute panel discussion.

2:05 - 2:15pm	Transfemoral CAS Case Kenneth Rosenfield, MD, MHCDS
2:15 - 2:25pm	Challenging Brachiocephalic Adnan Siddiqui, MD, PhD
2:25 - 2:35pm	TCAR Case Brant W. Ullery, MD, MBA
2:35 - 2:45pm	Vasculitis Esther S.H. Kim, MD, MPH
2:45 - 2:55pm	Open CEA Case Misty Humphries, MD

COMPLICATIONS & HOW I SALVAGED THE SITUATION

Moderator: **Gary Ansel, MD**

Panel: **Subhash Banerjee, MD; Patrick Geraghty, MD; Jade S. Hiramoto, MD; Jason T. Lee, MD; Bret N. Wiechmann, MD**

Each presentation includes a 3-minute panel discussion.

4:30 - 4:39pm	Access Complications Bret N. Wiechmann, MD
4:39 - 4:48pm	Iliac Perforation Jade S. Hiramoto, MD
4:48 - 4:57pm	Femoropopliteal Complication Subhash Banerjee, MD
4:57 - 5:06pm	Brachiocephalic Subclavian Artery Complication Jason T. Lee, MD
5:06 - 5:15pm	Tibial Complication Patrick Geraghty, MD

MORNING TRACKS DIALYSIS

Non-CME

HOT TOPICS IN DIALYSIS

Moderator: **Robert Lookstein, MD, MHCDL**

Panel: **J. Fritz Angle, MD; Bart Dolmatch, MD; Elina Quiroga, MD, MPH; Vincent Rowe, MD**

Each presentation includes a 3-6-minute panel discussion.

- 7:00 - 7:10am** Managing the Tsunami of End-Stage Renal Disease—Why You Should Include Dialysis Access in Your Practice **Elina Quiroga, MD, MPH**
- 7:10 - 7:20am** DCBs in AV Fistula Maintenance: Is It Worth the Cost? **Robert Lookstein, MD, MHCDL**
- 7:20 - 7:30am** Dialysis Complications and Reinterventions: How to Pick Your Toolbox **J. Fritz Angle, MD**
- 7:30 - 7:45am** What's Next for AV Fistula Creation? **Vincent Rowe, MD**
- 7:45 - 7:55am** How Does EndoAVF Fit Into Your Dialysis Access Practice? **Bart Dolmatch, MD**

SPOTLIGHT THEATER

CHALLENGING CASES

Moderator: **Sean Lyden, MD**

Panel: **Subhash Banerjee, MD; Caitlin W. Hicks, MD, MS; Robert Lookstein, MD, MHCDL; Elina Quiroga, MD, MPH; Srini Tummala, MD**

Each presentation includes a 4-minute panel discussion.

- 8:00 - 8:12am** Venous/PE **Robert Lookstein, MD, MHCDL**
- 8:12 - 8:24am** Aortic **Caitlin W. Hicks, MD, MS**
- 8:24 - 8:36am** Dialysis **Elina Quiroga, MD, MPH**
- 8:36 - 8:48am** Visceral **Subhash Banerjee, MD**
- 8:48 - 9:00am** Tibial **Srini Tummala, MD**

Moderator: **Venita Chandra, MD**

Panel: **Tony Das, MD; Jason T. Lee, MD; Joseph Lombardi, MD, MBA; Miguel Montero-Baker, MD; John Rollo, MD**

Each presentation includes a 4-minute panel discussion.

- 9:10 - 9:22am** Fem Pop Scaffold **John Rollo, MD**
- 9:22 - 9:34am** Innominate **Jason T. Lee, MD**
- 9:34 - 9:46am** Carotid **Tony Das, MD**
- 9:46 - 9:58am** Thoracic Dissection **Joseph Lombardi, MD, MBA**
- 9:58 - 10:10am** Maldeployment **Miguel Montero-Baker, MD**

FACE-OFF WINNERS' CIRCLE

- 10:25 - 10:50am** The top-scoring Face-Off participants will showcase their winning presentations. See **pages 23-24** to learn more about the 2023 Physicians-in-Training Program and Face-Off scholarships.

CONTROVERSIAL DATA TOPICS

- 10:50am - 12:00pm** Moderators: **Joshua Beckman, MD; Raghu Kolluri, MD, MS**

DISCOVERY THEATER

Non-CME

MASTER WORKSHOP

Moderator: **Niten Singh, MD**

- 8:00 - 8:30am** Aortoiliac Occlusions **J. Fritz Angle, MD; Bryan Fisher, MD**
- 8:00 - 8:30am** Venous: Acute Thrombus Removal **Elizabeth Genovese, MD; Parag J. Patel, MD, MS**
- 8:30 - 9:00am** Fem-Pop Occlusions **Sahil A. Parikh, MD; Ravish Sachar, MD**

CASE STUDY CENTRAL

Moderator: **Peter A. Schneider, MD**

- 9:10 - 9:40am** Aortoiliac Occlusions **Elsie Ross, MD; Brant W. Ullery, MD, MBA**
- 9:10 - 9:40am** Venous: Acute Thrombus Removal **Lawrence A. Garcia, MD; Mark J. Garcia, MD**
- 9:40 - 10:10am** Fem-Pop Occlusions **Yulanka Castro, MD; Jake Hemingway, MD**

Moderator: **Venita Chandra, MD**

- 10:25 - 10:55am** BTK **Lawrence A. Garcia, MD; Vincent Rowe, MD**
- 10:25 - 10:55am** Carotid **Gaurav Rana, MD; Jordan R. Stern, MD**

PHYSICIANS-IN-TRAINING PROGRAM

SCHOLARSHIPS FOR U.S. PHYSICIANS IN TRAINING

VIVA and The VEINS will once again bring together the next generation of leaders in vascular care for hands-on opportunities, dynamic presentations, and exclusive sessions.

A limited number of scholarships to attend VIVA and The VEINS are available for qualifying fellows and residents. Scholarships include registration costs, roundtrip economy airfare, and hotel stay during the conference. Participants will arrive on Friday, October 27 or Saturday, October 28 for The VEINS; and Sunday, October 29 or Monday, October 30 for VIVA (note that the VIVA Pre-Courses begin at 8am Monday). Departures should be after 2pm on Thursday, November 2 for VIVA attendees.

This year, participants have the option of attending VIVA, The VEINS, or both meetings. Scholarship recipients must attend the full course they register for, including required Physician-in-Training Program sessions and events.

WHO CAN APPLY

- U.S. physicians in training who can attend the entirety of the course
- All current 1st- and 2nd-year fellows in endovascular medicine; interventional cardiology and interventional radiology; vascular surgery; neurology; and cardiology
- All residents in PG 1-5 vascular surgery or interventional radiology

Diagnostic radiology and general surgery fellowships are ineligible for this program.

VIVA FACE-OFF

Program attendees who are attending VIVA will participate in the Face-Off Competition, designed for U.S. physicians in training (fellows and qualifying residents) to present original research or interesting cases with a focus on complex procedures, complication management, advanced and novel techniques, or new technology. Presentations will take place on Tuesday, October 31st and Wednesday, November 1st.

VIVA faculty will judge each presentation on clarity, interest, value, originality, depth, and scope. Winners will present in the Spotlight Theater on Thursday, November 2.

Register by **August 1** and submit a scholarship application and presentation by **August 15**.

HOW TO APPLY

1. Visit viva-foundation.org/physicians-in-training and download the eligibility verification form to be completed by you and your program director
2. Register as a U.S. Physician In Training at viva-foundation.org/register and upload the completed eligibility form by **August 1**
3. Submit a scholarship application and presentation (if attending VIVA) by **August 15**

Scholarships will be awarded **August 29**.

Visit viva-foundation.org/physicians-in-training for complete guidelines and visit viva-foundation.org/register to begin the registration process.



Pictured: The 2022 top-scoring Face-Off participants and award presenter

PHYSICIANS-IN-TRAINING SESSIONS AND EVENTS

TUESDAY, OCTOBER 31

Non-CME

1:15 - 3:15pm SIMULATOR SHOWCASE

Physicians in training will get a closer look at this collection of simulators from a variety of device manufacturers.

3:45 - 4:40pm TOP 5 TIPS, TRICKS, & PEARLS

Moderator: **Venita Chandra, MD**

Panel: **Yolanda Bryce, MD; Yulanka Castro, MD; Matthew Eagleton, MD; Daniella Kadian-Dodov, MD; Peter Monteleone, MD**

Each presentation includes a 4-minute panel discussion.

- 3:45 - 3:56pm CLTI **Yulanka Castro, MD**
- 3:56 - 4:07pm Embolization **Yolanda Bryce, MD**
- 4:07 - 4:18pm PE **Peter Monteleone, MD**
- 4:18 - 4:29pm Aneurysm/Dissections **Matthew Eagleton, MD**
- 4:29 - 4:40pm Venous Disease **Daniella Kadian-Dodov, MD**

4:40 - 5:00pm HOW WOULD YOU DO IT?: COMPLEX CASE PRESENTATIONS

Moderators: **Venita Chandra, MD; Eric A. Secemsky, MD, MSc**

Panel: **Mark J. Garcia, MD; Jake Hemingway, MD; Peter A. Soukas, MD**

5:00 - 6:30pm PHYSICIANS-IN-TRAINING RECEPTION

WEDNESDAY, NOVEMBER 1

BUILDING A SUCCESSFUL PRACTICE

Moderator: **Ehrin Armstrong, MD**

Panel: **Yolanda Bryce, MD; Kumar Madassery, MD; Peter Monteleone, MD; Sahil A. Parikh, MD; Elsie Ross, MD**

- 7:00 - 7:07am How to Set Up A Career in Private Practice **Peter Monteleone, MD**
- 7:07 - 7:14am Key Considerations for a First Academic Job **Elsie Ross, MD**
- 7:14 - 7:21am Early Years in Practice: Lessons Learned **Sahil A. Parikh, MD**
- 7:21 - 7:32am Panel Discussion
- 7:32 - 7:39am Top Tips and Pearls Regarding Contract Negotiation **Yolanda Bryce, MD**
- 7:39 - 7:46am Developing and Mastering Your Podium Presence **Kumar Madassery, MD**
- 7:46 - 7:55am Panel Discussion

1:15 - 3:15pm HANDS-ON INNOVATION LAB

THURSDAY, NOVEMBER 2

7:00 - 7:55am SPONSORED BREAKFAST SESSION



10:25 - 10:50am FACE-OFF WINNERS' CIRCLE

Presenter: **Niten Singh, MD**

The top scoring participants will be announced and invited to present their work from the Spotlight Theater stage. All program attendees must be present in case their name is called.

THE VEINS

COMPREHENSIVE • CASE-BASED • CUTTING-EDGE

The VEINS (Venous Endovascular INterventional Strategies) is an innovative, multidisciplinary educational event tailored to venous specialists.

The VEINS will feature a robust and exciting curriculum presented by The VEINS Co-Course Directors and Scientific Committee. This year's program will offer attendees a first look at the future of venous care, a deep dive into ever-evolving disease treatment, and access to the latest clinical data in the field. The Blue Sky Breakfast: The VEINS Innovation Summit will provide insight into new technologies posing solutions to consistently unmet needs in venous care.

The VEINS 2023 will include an additional half-day of educational sessions on Saturday, October 28, providing attendees with even more opportunities for development and new insight.

We are pleased to be returning to Wynn Las Vegas and hope you will join us for this extraordinary program.

THE VEINS COURSE DIRECTOR



Maureen P. Kohi, MD
Interventional Radiology
University of North Carolina
Chapel Hill, North Carolina

THE VEINS CO-COURSE DIRECTORS



Raghu Kolluri, MD, MS
Vascular Medicine
OhioHealth Riverside Methodist Hospital
Columbus, Ohio



Peter A. Schneider, MD
Vascular Surgery
University of California San Francisco
San Francisco, California

THE VEINS 2023 SCIENTIFIC COMMITTEE



Kush R. Desai, MD
Interventional Radiology
Northwestern University
Feinberg School of Medicine
Chicago, Illinois



Kathleen Gibson, MD
Vascular Surgery
Lake Washington Vascular Surgeons
Bellevue, Washington



Jay Mathews, MD, MS
Interventional Cardiology
Manatee Memorial Hospital /
Bradenton Cardiology Center
Bradenton, Florida



Aditya Sharma, MBBS
Vascular Medicine
University of Virginia
Charlottesville, Virginia

CME ACCREDITATION

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the Academy for Continued Healthcare Learning (ACHL) and the VIVA Foundation. ACHL is accredited by the ACCME to provide continuing medical education for physicians.

The Academy for Continued Healthcare Learning designates this live activity for a maximum of **15.5 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity. Physician assistants, nurse practitioners, and nurses may participate in this educational activity and earn a certificate of completion as AAPA, AANP, and ANCC accept **AMA PRA Category 1 Credits™** through their reciprocity agreements. Participants may claim CME credit for sessions attended live, either in-person or virtually. CME credits are not available for sessions viewed on demand.

TARGET AUDIENCE

The VEINS is designed for physicians specializing in interventional cardiology; interventional and neurologic radiology; vascular medicine; vascular surgery; podiatry; as well as fellows and residents; and allied health professionals (including nurses, nurse practitioners, technologists, and physician assistants) interested in the diagnosis, management, and treatment of venous disease.

OBJECTIVES

At the conclusion of the course, the targeted learners should be able to:

- Describe medical, endovascular and surgical therapies for superficial and chronic venous disease as well as other venous pathologies.
- Discuss the role of imaging for diagnosis of venous disease and uses during intervention.
- Identify the currently available therapeutic options and review the novel data in the management of superficial and deep vein disease.

INVITED FACULTY

Geoffrey Barnes, MD, MSc

Vascular Medicine
University of Michigan
Ann Arbor, Michigan

Stephen Black, MD

Vascular Surgery
St Thomas' Hospital
London, England

Scott Cameron, MD, PhD

Vascular Medicine
Cleveland Clinic
Cleveland, Ohio

Teresa L. Carman, MD

Vascular Medicine
University Hospitals Cleveland
Medical Center
Cleveland, Ohio

Jeff Carr, MD

Interventional Cardiology
Tyler Cardiac and
Endovascular Center
Tyler, Texas

Steven M. Dean, DO

Vascular Medicine
The Ohio State University Wexner
Medical Center
Columbus, Ohio

Steve Elias, MD

Vascular Surgery
Englewood Hospital and
Medical Center
Englewood, New Jersey

Eri Fukaya, MD, PhD

Vascular Medicine
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Palo Alto, California

Jay Giri, MD, MPH

Interventional Cardiology
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of Pennsylvania
Philadelphia, Pennsylvania

Manj Gohel, MD

Vascular Surgery
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Cambridge, England

Karem Harth, MD

Vascular Surgery
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Medical Center
Cleveland, Ohio

Michael Jolly, MD

Interventional Cardiology
OhioHealth Riverside
Methodist Hospital
Columbus, Ohio

Yogen Kanthi, MD

Cardiology, Vascular Medicine
National Heart, Lung, and
Blood Institute
Bethesda, Maryland

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Ann Arbor, Michigan

Lindsay Machan, MD

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Vancouver, BC, Canada

Mark H. Meissner, MD

Vascular Surgery
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of Medicine
Seattle, Washington

D. Christopher Metzger, MD

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Fresno, California

Kathleen J. Ozsvath, MD

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Troy, New York

Mona Ranade, MD

Interventional Radiology
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Los Angeles
Valencia, California

Mahmood Razavi, MD

Interventional Radiology
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Vascular Center
Orange, California

Thom Rooke, MD

Vascular Medicine
Mayo Clinic
Rochester, Minnesota

Kenneth Rosenfield, MD, MHCDS

Interventional Cardiology
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Gloria Salazar, MD

Interventional Radiology
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Chapel Hill
Chapel Hill, North Carolina

Akhilesh Sista, MD

Interventional Radiology
Weill Cornell Medicine
New York, New York

Jill Sommerset, RVT

Vascular Surgery
HOPE Clinical Innovation Center
Houston, Texas

Nora Tabori, MD

Interventional Radiology
MedStar Washington
Hospital Center
Washington, DC

Allison Tan, MD

Interventional Radiology
Thomas Jefferson University
Philadelphia, Pennsylvania

Suresh Vedantham, MD

Interventional Radiology
Washington University in
St. Louis
St. Louis, Missouri

Ronald S. Winokur, MD

Interventional Radiology
Weill Cornell Medicine
New York, New York

SATURDAY, OCTOBER 28

12:55 - 1:00pm **WELCOME TO THE VEINS 2023** Maureen P. Kohi, MD

PE FUNDAMENTALS

Moderator: **Maureen P. Kohi, MD**

Panel: **Jay Giri, MD, MPH; Jay Mathews, MD, MS; Mona Ranade, MD; Akhilesh Sista, MD; Allison Tan, MD**

- 1:00 - 1:08pm** Who to Select for Treatment: Risk Stratification in PE **Akhilesh Sista, MD**
1:08 - 1:16pm Should I Start a PERT Program? **Allison Tan, MD**
1:16 - 1:24pm Mechanical Thrombectomy Options **Jay Giri, MD, MPH**
1:24 - 1:35pm Panel Discussion
1:35 - 1:43pm DEBATE: CDT Is All You Need for Submassive PE **Jay Mathews, MD, MS**
1:43 - 1:51pm DEBATE: Mechanical Thrombectomy Is the Future **Mona Ranade, MD**
1:51 - 2:00pm Panel Discussion

ALL ABOUT BLOOD CLOTS

Moderator: **Raghu Kolluri, MD, MS**

Panel: **Geoffrey Barnes, MD, MSc; Teresa L. Carman, MD; Yogen Kanthi, MD; Thom Rooke, MD; Aditya Sharma, MBBS**

- 2:00 - 2:08pm** Which Patients Need Anticoagulation Beyond 3-6 Months After Acute DVT/PE? **Teresa L. Carman, MD**
2:08 - 2:16pm Warfarin Only! Who Is NOT a Candidate for DOAC Therapy? **Thom Rooke, MD**
2:16 - 2:24pm Pharmacotherapy in Preventing and Treating Thromboembolic Disease in Active Malignancy: What Does the Evidence Say? **Yogen Kanthi, MD**
2:24 - 2:35pm Panel Discussion
2:35 - 2:43pm Antithrombotic Therapy Post Deep Venous Intervention: Expert Consensus **Aditya Sharma, MBBS**
2:43 - 2:51pm My Patient Had a Blood Clot on a DOAC! What Should I Do? **Geoffrey Barnes, MD, MSc**
2:51 - 3:00pm Panel Discussion

ACUTE DVT INTERVENTION

Moderator: **Kush R. Desai, MD**

Panel: **Stephen Black, MD; Michael Jolly, MD; Gloria Salazar, MD; Nora Tabori, MD; Suresh Vedantham, MD**

- 3:00 - 3:08pm** Lessons From Pivotal Trials: The Patients Who Benefit From Acute DVT Intervention **Suresh Vedantham, MD**
3:08 - 3:16pm The Ever-Expanding Toolbox for Acute DVT: Pearls and Pitfalls **Michael Jolly, MD**
3:16 - 3:24pm How I Do It: Acute DVT Intervention From Soup to Nuts **Nora Tabori, MD**
3:24 - 3:35pm Panel Discussion
3:35 - 3:43pm How to Manage Complications and Failure in Acute Thrombectomy **Stephen Black, MD**
3:43 - 3:51pm When to Perform Endovascular Intervention in Upper Extremity DVT **Gloria Salazar, MD**
3:51 - 4:00pm Panel Discussion



NEXT-GENERATION PE INTERVENTION

Moderator: **Aditya Sharma, MBBS**

Panel: **Jay Giri, MD, MPH; Michael Jolly, MD; Jay Mathews, MD, MS; Akhilesh Sista, MD; Nora Tabori, MD**

8:00 - 8:08am Why We Need an RCT in Interventional PE: PE-Tract and Beyond **Akhilesh Sista, MD**

8:08 - 8:16am The Failing Right Ventricle: RV Hemodynamics and Hemodynamic Support

Jay Mathews, MD, MS

8:16 - 8:24am BPA: When and How **Jay Giri, MD, MPH**

8:24 - 8:35am Panel Discussion

8:35 - 8:43am Interactive Case Review With the PERT Panel **Nora Tabori, MD**

8:43 - 8:51am Interactive Case Review With the PERT Panel **Michael Jolly, MD**

8:51 - 9:00am Panel Discussion

SUPERFICIAL VEIN NOT OTHERWISE SAPHENOUS

Moderator: **Jay Mathews, MD, MS**

Panel: **Jeff Carr, MD; Steve Elias, MD; Leigh Ann O'Banion, MD; Gloria Salazar, MD; Jill Sommerset, RVT**

9:00 - 9:08am How I Treat Pelvic Source Varicose Veins of the Leg and Vulva **Gloria Salazar, MD**

9:08 - 9:16am Duplex Imaging for Nonsaphenous Reflux **Jill Sommerset, RVT**

9:16 - 9:24am When, Why, and How to Treat Perforator Veins **Jeff Carr, MD**

9:24 - 9:35am Panel Discussion

9:35 - 9:43am Debate: Tributary Treatment—All at Once! Patients Prefer Concomitant Treatment

Steve Elias, MD

9:43 - 9:51am Debate: Tributary Treatment—Stage Branches! Most Will Regress After Truncal Treatment

Leigh Ann O'Banion, MD

9:51 - 10:00am Panel Discussion

DILEMMAS IN DIAGNOSIS & MANAGEMENT

Moderator: **Raghu Kolluri, MD, MS**

Panel: **Geoffrey Barnes, MD, MSc; Scott Cameron, MD, PhD; Kush R. Desai, MD; Eri Fukaya, MD, PhD; Aditya Sharma, MBBS**

10:30 - 10:38am Recurrent Leg Swelling: New Clot or PTS Flair? **Kush R. Desai, MD**

10:38 - 10:46am When to Test and How to Manage Thrombophilias **Scott Cameron, MD, PhD**

10:46 - 10:54am It's All About Inflammation! **Aditya Sharma, MBBS**

10:54 - 11:05am Panel Discussion

11:05 - 11:13am Do Medications Really Work in Venous Insufficiency? Clinical Evidence to Real-World Practice **Eri Fukaya, MD, PhD**

11:13 - 11:21am Diagnosis and Management of Splanchnic and Cerebral Vein Thrombosis

Geoffrey Barnes, MD, MSc

11:21 - 11:30am Panel Discussion

THE VEINS AWARD PRESENTATION & PANEL DISCUSSION

Award Presenter & Moderator: **Raghu Kolluri, MD, MS**

Award Recipient: **Steve Elias, MD**

Panel: **Kush R. Desai, MD; Kathleen Gibson, MD; Maureen P. Kohi, MD;**

Jay Mathews, MD, MS; Aditya Sharma, MBBS

11:30am - 12:15pm The VEINS (Venous Educator, Innovator, and National Statesman) Award celebrates individuals who have made significant contributions to improving the care of patients with venous disease. The VIVA Foundation is proud to honor the 2023 VEINS Award recipient: Dr. Steve Elias.



Steve Elias, MD

SUNDAY, OCTOBER 29

CASES & COMPLICATIONS

Moderators: **Kathleen Gibson, MD; Jay Mathews, MD, MS**

Presenters & Panel: **Lindsay Machan, MD; D. Christopher Metzger, MD; Nora Tabori, MD; Allison Tan, MD**

1:30 - 2:30pm Venous experts will present 4 complex cases with Q&A and panel discussion

SWOLLEN LIMB TO PRACTICE DEVELOPMENT

Moderator: **Aditya Sharma, MBBS**

Panel: **Teresa L. Carman, MD; Jeff Carr, MD; Steven M. Dean, DO; Michael Jolly, MD; Thom Rooke, MD**

2:30 - 2:38pm Water Pills Don't Help My Swelling—What Are My Options? **Thom Rooke, MD**

2:38 - 2:46pm I Hate Compression Socks—What Are My Options? **Teresa L. Carman, MD**

2:46 - 2:54pm Doctor, Do I Have Lipedema and Do I Need Liposuction? Management of Severe Lymphedema and Lipedema **Steven M. Dean, DO**

2:54 - 3:05pm Panel Discussion

3:05 - 3:13pm Key Elements in Building a Successful Superficial Venous Disease Practice: Dos and Don'ts **Jeff Carr, MD**

3:13 - 3:21pm Key Elements in Building an Interventional Venous Thrombosis Practice: Dos and Don'ts **Michael Jolly, MD**

3:21 - 3:30pm Panel Discussion

CHRONIC OCCLUSIONS/POST-THROMBOTIC SYNDROME

Moderator: **Kush R. Desai, MD**

Panel: **Stephen Black, MD; Michael Jolly, MD; Mona Ranade, MD; Suresh Vedantham, MD; Ronald S. Winokur, MD**

4:00 - 4:08pm What Constitutes Good Inflow? How I Select Patients for Intervention **Suresh Vedantham, MD**

4:08 - 4:16pm How I Use IVUS: Defining Its Role in Decision-Making **Mona Ranade, MD**

4:16 - 4:24pm Tools and Techniques to Cross Chronic Venous Occlusions **Ronald S. Winokur, MD**

4:24 - 4:35pm Panel Discussion

4:35 - 4:43pm Debate: Chronic Clot Is Real and Can Be Removed **Michael Jolly, MD**

4:43 - 4:51pm Debate: There Is No Such Thing as Chronic DVT **Stephen Black, MD**

4:51 - 5:00pm Panel Discussion



THE VEINS RECEPTION

Sunday, October 29

5:00 - 6:00pm

Join your colleagues for a welcome reception following the conclusion of the main session on Sunday. We'll enjoy food and drinks in The VEINS exhibit hall. Admission is included in your course registration, and guest tickets may be purchased for an additional fee.

MONDAY, OCTOBER 30

7:00 - 7:55am BLUE SKY BREAKFAST: THE VEINS INNOVATION SUMMIT *Non-CME*

Join colleagues and faculty for breakfast and catch a glimpse of the next chapter of technology in venous care.

COMPLEX QUESTIONS & PATHOLOGY

Moderator: **Kush R. Desai, MD**

Panel: **Jay Giri, MD, MPH; Karem Harth, MD; Minhaj S. Khaja, MD, MBA; Mark H. Meissner, MD; Kathleen J. Ozsvath, MD**

- 8:00 - 8:08am** The NIVL Controversy—Who Needs a Stent? **Mark H. Meissner, MD**
8:08 - 8:16am Combined Superficial and Deep Venous Disease: What Should I Treat First? **Karem Harth, MD**
8:16 - 8:24am The Occluded Stent: Pearls for Endovascular Management **Kathleen J. Ozsvath, MD**
8:24 - 8:35am Panel Discussion
8:35 - 8:43am Do I Need to Retrieve This Filter? **Minhaj S. Khaja, MD, MBA**
8:43 - 8:51am Iliocaval Obstructions: Managing the Heart, Renals, and Filter **Kush R. Desai, MD**
8:51 - 9:00am Panel Discussion

SAPHENOUS REFLUX: IS THERE ANYTHING NEW TO LEARN?

Moderator: **Aditya Sharma, MBBS**

Panel: **Steve Elias, MD; Kathleen Gibson, MD; Manj Gohel, MD; Mark H. Meissner, MD; Ronald S. Winokur, MD**

- 9:00 - 9:08am** Pivotal SPECTRUM Trial Results **Manj Gohel, MD**
9:08 - 9:16am High-Frequency Ultrasound for GSV Reflux: Is It the Next Big Thing? **Steve Elias, MD**
9:16 - 9:24am Below-Knee Reflux: Best Practices **Kathleen Gibson, MD**
9:24 - 9:35am Panel Discussion
9:35 - 9:43am Standing Reflux Studies: Positioning Matters! **Mark H. Meissner, MD**
9:43 - 9:51am PROs and Varicose Veins: Patient Perspective Is Crucial **Ronald S. Winokur, MD**
9:51 - 10:00am Panel Discussion

PELVIC VEIN DISEASE

Moderator: **Maureen P. Kohi, MD**

Panel: **Kathleen Gibson, MD; Karem Harth, MD; Kathleen J. Ozsvath, MD; Gloria Salazar, MD; Ronald S. Winokur, MD**

- 10:30 - 10:38am** How to Apply SVP Classification in Practice **Kathleen Gibson, MD**
10:38 - 10:46am Show Me the Evidence! How Current Literature Supports Ovarian Vein Embolization **Gloria Salazar, MD**
10:46 - 10:54am The EMBOLIZE Trial—Furthering the Evidence **Ronald S. Winokur, MD**
10:54 - 11:05am Panel Discussion
11:05 - 11:13am Stent First! NIVLs Are a Common Cause of Chronic Pelvic Pain **Kathleen J. Ozsvath, MD**
11:13 - 11:21am Embolize First! NIVLs Are Incidental Findings and Rarely Cause Chronic Pelvic Pain **Karem Harth, MD**
11:21 - 11:30am Panel Discussion

11:30am - 12:15pm LATE-BREAKING CLINICAL TRIALS

Moderator: **Maureen P. Kohi, MD**

Panel: **Yogen Kanthi, MD; Jay Mathews, MD, MS; Kathleen J. Ozsvath, MD; Peter A. Schneider, MD; Eric A. Secemsky, MD, MSc; Aditya Sharma, MBBS**

BEYOND THE BASICS: ADVANCED SUPERFICIAL VENOUS TOPICS

Moderator: **Kathleen Gibson, MD**

Panel: **Teresa L. Carman, MD; Steven M. Dean, DO; Manj Gohel, MD; Karem Harth, MD; Mahmood Razavi, MD**

- 1:30 - 1:38pm** Are Varicose Veins a Marker for Cardiovascular Risk? **Teresa L. Carman, MD**
1:38 - 1:46pm MIMICS **Steven M. Dean, DO**
1:46 - 1:54pm Venous Ulcers: Early Intervention Is Crucial! **Manj Gohel, MD**
1:54 - 2:05pm Panel Discussion
2:05 - 2:13pm Klippel-Trenaunay Syndrome and Venous Malformations in the Leg **Mahmood Razavi, MD**
2:13 - 2:21pm Managing Complications of Superficial Venous Interventions **Karem Harth, MD**
2:21 - 2:30pm Panel Discussion

2:30 - 3:30pm TAPED CASE: IMAGING

REGISTER ONLINE TODAY: viva-foundation.org/register

V I V A 23	EARLY BIRD Ends July 17	PRIME July 18 - September 12	STANDARD September 13 - November 2
Physicians (U.S. and International)	\$1,195	\$1,445	\$1,595
Active Duty Military	\$100	\$100	\$100
Nurses, Techs, HCPs	\$750	\$750	\$750
World Insights Adjunct Faculty	\$495	-	-
Industry Professionals	Opens July 18	\$1,445	\$1,595

U.S. PHYSICIANS IN TRAINING	SCHOLARSHIP ELIGIBILITY Ends August 15	August 16 - November 2	For requirements, see page 23
VIVA + Face-Off	Free	Register as physician	-
The VEINS	Free	Register as physician	-

THE VEINS	EARLY BIRD Ends July 17	PRIME July 18 - September 12	STANDARD September 13 - November 2
Physicians (U.S. and International)	\$700	\$750	\$800
Active Duty Military	\$50	\$50	\$50
Nurses, Techs, HCPs	\$500	\$500	\$500
Industry Professionals	Opens July 18	\$750	\$800

V I V A	
Active-Duty Military	Free
VIVA	\$750
The VEINS	\$350

CANCELLATION POLICY

Cancellations through your online account by September 22 will be accepted less a 15% administrative fee. Once registration is canceled in your online account, refunds will be settled within 7 days. No refunds will be given after September 22. Refunds or credits will not be given for failure to attend, late arrival, unattended events, or early departure. VIVA is not responsible for airfare, hotel, or other costs incurred by participants in the event of registration cancellation for any reason. Note that for physicians attending the event virtually, tuition is nonrefundable, and cancellations will not be accepted.

ACCOMMODATIONS

Wynn Las Vegas

**3131 Las Vegas Boulevard South
Las Vegas, Nevada 89109**

Registrants will receive a confirmation email with a link to the hotel booking page. Exhibiting companies will receive the hotel booking link on Wednesday, June 28.

VIVA has reserved a block of rooms at the discounted rate of \$274 per night plus tax (currently 13.38%). This rate includes access to the fitness center, internet access for up to four devices, boarding pass printing, daily newspapers, and more. A nonrefundable deposit of the first night's room and tax will be required to confirm all reservations.

Reservations are accepted on a first-come, first-served basis and will be accepted until October 4 at 5pm PT, or until the room block fills, whichever occurs first.

A charge of \$50 per person per night will apply to each guest over double occupancy.

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