

THE
COMPREHENSIVE,
CUTTING-EDGE
COURSE
FOR VENOUS
EDUCATION

2025 COURSE GUIDE

15th Annual
Venous Endovascular **IN**terventional Strategies

THE C**VEINS**

NOVEMBER 1 - 2, 2025
WYNN LAS VEGAS

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

viva-foundation.org

THE VEINS

Dear Colleagues,

It is my pleasure to welcome you to **The VEINS 2025**, the premier course dedicated to advancing venous and lymphatic medicine. Together, we'll dive into the science, techniques, and innovations shaping care for patients with venous disease.

We're especially excited to introduce **Superficial Sunday**, a focused afternoon devoted entirely to superficial venous disease. This dedicated program will provide practical, case-based education and spark conversations that set the stage for the rest of the meeting.

Other highlights of this year's program include:

- The **PE Summit**, offering timely, multidisciplinary insights on pulmonary embolism
- **Interactive case discussions** that translate real-world challenges into actionable strategies
- A comprehensive lineup spanning the full spectrum of venous and lymphatic disorders

The field of venous medicine is evolving rapidly, and **The VEINS** continues to be where our community comes together to learn, share, and innovate. Your participation is what makes this possible.

Thank you for joining us, and we look forward to an energizing and inspiring weekend at **The VEINS 2025**.

Sincerely,

Kathleen Gibson, MD

Course Director, The VEINS 2025

THE VEINS 2025 SCIENTIFIC COMMITTEE



Jeff Carr, MD
Interventional Cardiology



Kush R. Desai, MD
Interventional Radiology



Steve Elias, MD
Vascular Surgery



Eri Fukaya, MD, PhD
Vascular Medicine



Minhaj S. Khaja, MD, MBA
Interventional Radiology

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 **14.0 AMA PRA Category 1 Credits™**.

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.

MAINTENANCE OF CERTIFICATION FOR SURGEONS

Successful completion of this CME activity enables the learner to earn credit toward the CME requirement(s) of the American Board of Surgery's Continuous Certification program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABS credit.

ACHL will submit Maintenance of Certification (MOC) points November 14 through December 31, 2025. MOC points must be claimed by December 31, 2025. By claiming surgery credit and providing your date of birth, you consent to have ACHL and/or our educational partners submit your participation in this activity to the ABS through the ACCME PARS system.

Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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

Upon completion of this activity, learners will be able to:

- Describe medical, endovascular, and surgical therapies for superficial and chronic venous disease, deep venous thrombosis and pulmonary embolism 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.

Log into the Virtual VIVA 2025 app and click "Claim Credit" to claim CME and MOC credits beginning November 6 at 12pm PT. Please direct all CME-related questions to cme@viva-foundation.org.

COURSE DIRECTOR

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Surgeons
Bellevue, Washington

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Methodist Hospital
Columbus, Ohio

Parag J. Patel, MD, MS

Interventional Radiology
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Manj Gohel, MD

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Cambridge, United Kingdom

Mona Gupta, MD

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Chicago, Illinois

Varshana Gurusamy, MD

Interventional Radiology
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Samuel Horr, MD

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Tennessee

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National Heart, Lung, and
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Bradenton Cardiology Center
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Atrium Health
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Britt Tonnessen, MD

Vascular Surgery
Yale School of Medicine
New Haven, Connecticut

Suresh Vedantham, MD

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

THE VEINS AWARD

The VEINS (Venous Educator, Innovator, and National Statesperson) Award honors individuals who have made significant contributions to improving the care of patients with venous disease.

The VIVA Foundation is proud to honor the 2025 VEINS Award recipient, Dr. Lindsay Machan, as a leader in venous education and patient care. Lindsay Machan, MD, FSIR, is an interventional radiologist at the Vancouver Hospital and Associate Professor of Radiology at the University of British Columbia, and a Fellow at the Creative Destruction Lab. In 2006 he shared the Manning Innovation Principal Award for the development of the paclitaxel-eluting stent. His current research interests include mechanical methods of radiation reduction from fluoroscopy, ballistic embolic particles, and novel excipients for local drug delivery.



Lindsay Machan, MD

ON-SITE INFORMATION

REGISTRATION DESK HOURS

Registration Desk 2 is located between the Montrachet and La Tache meeting rooms and is open during the following times:

Friday, October 31	3:00 - 5:00pm
Saturday, November 1	6:30am - 5:00pm
Sunday, November 2	6:30am - 5:00pm

NAME BADGES

Your VEINS badge is required for admittance to ALL conference functions, including The VEINS reception Saturday evening. The VEINS attendees may also choose to attend the VIVA Focus educational sessions and satellite lunches on Sunday. There is a \$395 fee to reprint a badge.

VIRTUAL VIVA HELP DESK HOURS

For assistance downloading and using the Virtual VIVA app, visit the Help Desk located near Registration Desk 2 at the following times:

Friday, October 31	3:00 - 5:00pm (at Registration Desk 2)
Saturday, November 1	7:30am - 5:00pm
Sunday, November 2	7:30am - 5:00pm

THE VEINS RECEPTION

Saturday, November 1

5:00 - 6:15pm

The VEINS Exhibit Hall - Margaux 1

Join your colleagues for a welcome reception following the conclusion of the main session on Saturday. We'll enjoy food and drinks in The VEINS exhibit hall. Admission is included in your course registration, and guest tickets may be purchased at the Registration Desk for an additional \$75 per person.

DISCLAIMERS

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

This CME activity might describe the off-label, investigational, or experimental use of medications and/or devices that may exceed their FDA-approved labeling. Physicians should consult the current manufacturers' prescribing information for these products. ACHL requires the speaker to disclose that a product is not labeled for the use under discussion.

INDEPENDENCE DISCLAIMER

The content for this activity was developed independently of any ineligible company. All materials are included with permission. The opinions expressed are those of the faculty and are not to be construed as those of the publisher or grantors.

This educational activity was planned and produced in accordance with the ACCME Standards for Integrity and Independence in Accredited Continuing Education. Recommendations involving clinical medicine in a continuing medical education (CME) activity must be based on evidence that is accepted within the profession of medicine as adequate justification for their indications and contraindications in the care of patients. All scientific research referred to, reported, or used in CME in support or justification of a patient care recommendation must conform to the generally accepted standards of experimental design, data collection, and analysis.

MEALS & REFRESHMENTS

SATELLITE SYMPOSIA

Satellite sessions and events offer conference attendees additional programming and cover important topics and issues facing today's venous specialists. **Hot lunches will be served in these sessions on Saturday beginning at 12:15pm and Sunday beginning at 12:00pm.** See **page 16** for a schedule of satellite symposia.

MEALS

SATURDAY, NOVEMBER 1

Breakfast 7:15 - 8:45am Margaux 1

SUNDAY, NOVEMBER 2

Breakfast 6:45 - 8:00am Margaux 2
Blue Sky Breakfast: *The VEINS Innovation Summit*
(hot breakfast served)

Breakfast 7:15 - 8:45am Margaux 1

REFRESHMENT BREAKS

Refreshments will be served in Margaux 1 during morning and afternoon breaks. Sponsored break sessions will be held on the Margaux 1 patio during morning and afternoon breaks on Saturday and Sunday. See **page 16** for sponsored session information.

BLUE SKY BREAKFAST: THE VEINS INNOVATION SUMMIT

Sunday, November 2

7:00 - 8:00am

Margaux 2

Moderators: **Raghu Kolluri, MD, MS; Parag J. Patel, MD, MS**

Panel: **Jeff Carr, MD; Kathleen Gibson, MD; John Kaufman, MD; Peter A. Schneider, MD; Bruce Shook**

Please join us for a special session featuring 6 cutting-edge medical device companies showcasing their latest devices and emerging venous technologies, including select premarket items.

- Evident Vascular™ Guidance System presented by Evident Vascular
- CLEANER Plus Thrombectomy System presented by Argon Medical
- Liberant Thrombectomy System With the Excipio Thrombectomy Device presented by Medtronic
- ClotIQ™ Clot Visualization and Quantification System presented by Akura Medical
- WRAPSODY™ Cell-Impermeable Endoprosthesis presented by Merit Medical Systems
- VC Reverse Pitch: Vensana Capital & Financing Vascular Innovation

RESOURCES & TECHNOLOGY

INTERNET ACCESS

Complimentary wireless internet access is available throughout the conference space. This does not extend to the pool area, casino, or hotel rooms.

NETWORK: **viva2025**
PASSWORD: **viva2025**

VIVA Today

Available Sunday afternoon, The VEINS and VIVA Focus issue of *VIVA Today* provides thought-provoking articles by VIVA's Board of Directors and faculty, as well as data summaries from The VEINS and Late-Breaking Clinical Trials sessions.

Published by



Pick up your copy in person or access it through the Virtual VIVA app.

SOCIAL MEDIA

Join the conversation **#TheVEINS25**

X @TheVEINsatVIVA @VIVAPhysicians

in f @The VIVA Foundation

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 that is posted; 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@viva-foundation.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.

FACULTY DISCLOSURES

The Academy for Continued Healthcare Learning (ACHL) requires that the faculty participating in an accredited continuing education activity disclose all affiliations or other financial relationships within 24 months (1) with the manufacturers of any commercial product(s) and/or provider(s) of commercial services discussed in an educational presentation and (2) with any ineligible companies. All relevant financial relationships have been mitigated prior to this activity. Financial disclosure information can be viewed on Virtual VIVA.

V I R T U A L V I V A

The brand-new Virtual VIVA 2025 app is your hub for everything VIVA and The VEINS. Download it from the App Store or Google Play and have the conference at your fingertips. Desktop users can visit viva-foundation.org/viva-app.

APP FEATURES

AGENDA—Browse the full schedule, watch live streams, and access presentation slides and recordings after sessions conclude.

FACULTY—View speaker details and see each faculty member's session lineup and topics.

INTERACT—Submit questions to faculty in real time, participate in live polls, and engage with sessions.

CME/MOC—Claim credit for attending eligible sessions beginning Thursday, November 6.

GETTING STARTED

Download the app—Search for Virtual VIVA 2025 in the App Store or Google Play. This is a brand-new app, so you will need to download it even if you've used our apps before.

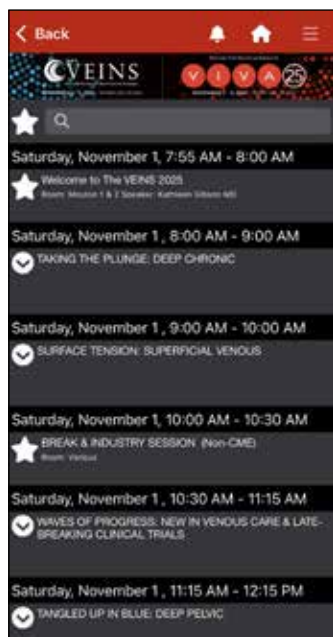
LOG IN—Use the email address you registered with as both your username and password.

STAY CURRENT—Before arriving on site, make sure your app is updated to the latest version. You can either run a manual update on your device or set your phone to update apps automatically.

TURN ON NOTIFICATIONS—Enable push notifications to get timely reminders about sessions, CME information, program updates, and more.



SCAN TO DOWNLOAD



Need help? Stop by the Help Desk near Registration for assistance.

PHYSICIANS-IN-TRAINING PROGRAM

Select fellows and residents will participate in The VEINS poster display session. Posters will be presented on Sunday from 1:15 - 1:45PM outside of Mouton 1 & 2.

CONGRATULATIONS TO THE 2025 SCHOLARSHIP RECIPIENTS:

Rayan Abboud, MD, MS	John Madsen, MD
Tanzina Afroze, MD	Amir Mahmoud, MD
Keith Ameyaw, MD	Nicolas Maynard, MD
Mark Asirwatham, MD	Jabre Millon, MD
Emily Austin, MD	Patrick Moran, MD
Alex Borovik, MD	Talal Mourad, MD
Katrina Chuah, DO	Jay Natarajan, MD
Tanner Coleman, DO, PhD	Andrew Nelson, MD
Maria Coluccio, MD	Nso Nso, MD
Yancheng Dai, MD	Busala P. Oke, MD, MS
Varun Danda, MD	Dogan Polat, MD
Andrea Fisher, MD	Yama Sadozai, MD
Luis Enrique Garza-Barrera, MD	Justin Samorajski, MD
Kyle Gillani, DO, MS, MBA	Anastasia Schroeder, MD
Joel Hlavaty, MD	Anas Souid, MD
Shaikh Iqbal, DO	Amir H. Mostafavi Sterabadi, MD
Samuel Katz, MD	Taylor Stevenson, MD
Deepak Kesani, DO	Michael Thompson, MD
Cody Key, MD	Lena Tran, MD
Daniel Kong, MD	Luke Verst, MD
Rebecca Le, MD	Sayeh Watts, MD
Hanssen Li, MD	Sanjay Wunnava, MD, MS

THANK YOU TO THE FOLLOWING COMPANIES FOR SUPPORTING THE PHYSICIANS-IN-TRAINING PROGRAM:

Abbott
BD
Boston Scientific
Cook Medical
Gore & Associates
Inari Medical
Medtronic
Penumbra, Inc.
Reflow Medical, Inc.

SATURDAY, NOVEMBER 1

Mouton 1 & 2

7:55 - 8:00am **Welcome to The VEINS 2025** **Kathleen Gibson, MD**

TAKING THE PLUNGE: DEEP CHRONIC

Moderators: **Kathleen Gibson, MD; Parag J. Patel, MD, MS**

Panel: **Stephen Black, MD; Manj Gohel, MD; Jay Mathews, MD, MS; Minhaj S. Khaja, MD, MBA; Britt Tonnessen, MD**

8:00 - 8:08am	NIVL: Controversies in Management Parag J. Patel, MD, MS
8:08 - 8:16am	Pearls for IVUS Interpretation in Venous Stenting Stephen Black, MD
8:16 - 8:24am	IVC Recanalization: Current and Future Tools Jay Mathews, MD, MS
8:24 - 8:35am	Panel Discussion
8:35 - 8:43am	Inflow, Inflow, Inflow: How to Assess Pre- and Intraoperatively Manj Gohel, MD
8:43 - 8:51am	Current Treatment Strategies in the Management of vTOS Britt Tonnessen, MD
8:51 - 9:00am	Panel Discussion

SURFACE TENSION: SUPERFICIAL VENOUS

Moderators: **Jeff Carr, MD; Raghu Kolluri, MD, MS**

Panel: **Michael M. Di Iorio, MD; Carl Fastabend, MD; Misaki Kiguchi, MD; Britt Tonnessen, MD**

9:00 - 9:08am	Why, When, and How to Treat Incompetent Perforators Jeff Carr, MD
9:08 - 9:16am	Small Veins, Big Problems: Tips and Tricks for Best Outcomes and Avoiding Complications in Sclerotherapy Carl Fastabend, MD
9:16 - 9:24am	Superficial Vein Disease: When Not to Treat Misaki Kiguchi, MD
9:24 - 9:32am	What Do Wound Care Centers Want? Raghu Kolluri, MD, MS
9:32 - 9:42am	Panel Discussion
9:42 - 9:47am	Debate: Ambulatory Phlebectomy Is Superior to UGS for Treating Varicose Veins Britt Tonnessen, MD
9:47 - 9:52am	Debate: UGS Is Superior to Ambulatory Phlebectomy for Treating Varicose Veins Michael M. Di Iorio, MD
9:52 - 10:00am	Panel Discussion
10:00 - 10:30am	Refreshment Break & Exhibits (Margaux 1) Sponsored Break Session (Margaux 1 Patio) See page 16 for more information.

WAVES OF PROGRESS: NEW IN VENOUS CARE & LATE-BREAKING CLINICAL TRIALS

Moderators: **Kathleen Gibson, MD; Raghu Kolluri, MD, MS**

Panel: **Stephen Black, MD; Jeff Carr, MD; Eri Fukaya, MD; Misaki Kiguchi, MD; Lindsay Machan, MD**

10:30 - 10:38am	EMBOLIZE Update Lindsay Machan, MD
10:38 - 10:46am	VLU Classification Eri Fukaya, MD, PhD
10:46 - 10:51am	Panel Discussion
10:51 - 11:03am	Randomized Comparison of Cyanoacrylate Closure and Endothermal Ablation: Spectrum Secondary Outcomes Through 12 Months Manj Gohel, MD
11:03 - 11:15am	Clinical Feasibility and Safety Study of the Use of a Novel Device for the Treatment of Chronic Venous Insufficiency of the Lower Limb Steve Elias, MD

TANGLED UP IN BLUE: DEEP PELVIC

Moderators: **Minhaj S. Khaja, MD, MBA; Kathleen J. Ozsvath, MD**

Panel: **Jake F. Hemingway, MD; Lindsay Machan, MD; Mark Meissner, MD**

11:15 - 11:23am	Working Up the PeVD Patient: Step-by-Step Approach Kathleen J. Ozsvath, MD
11:23 - 11:31am	Renal Vein Compression: Current Perspectives on Open vs Endovascular Treatment Jake F. Hemingway, MD
11:31 - 11:39am	Not Just Women: PeVD in Men Lindsay Machan, MD
11:39 - 11:50am	Panel Discussion
11:50 - 11:58am	Is There a Best Practice for Pelvic Venous Reflux Treatment? Minhaj S. Khaja, MD, MBA
11:58am - 12:06pm	How Do We Measure Outcomes After Treatment of PeVD for CPP? Mark Meissner, MD
12:06 - 12:15pm	Panel Discussion

12:15 - 1:30pm

Satellite Symposia (see **page 16** for full list of session titles and locations)**CURRENTS OF CARE: MEDICAL MANAGEMENT**Moderators: **Eri Fukaya, MD, PhD; Raghu Kolluri, MD, MS**Panel: **Iris Baumgartner, MD; Steven M. Dean, DO; Yogen Kanthi, MD; Thom W. Rooke, MD; Rachel Rosovsky, MD, MPH**

- 1:30 - 1:38pm Hypercoagulable Workup and Management Considerations After VTE—Beyond the Standard Lab Tests **Yogen Kanthi, MD**
- 1:38 - 1:46pm GLP-1 Agonist Use in Venolymphatic Disease and Lipedema Management **Steven M. Dean, DO**
- 1:46 - 1:54pm Factor XIa Inhibition: What Gaps in Anticoagulation Therapy Will This Fill? **Rachel Rosovsky, MD, MPH**
- 1:54 - 2:05pm Panel Discussion
- 2:05 - 2:13pm D-dimer Testing Post VTE in Intermediate-Risk Patients: How Does This Affect Management? **Thom W. Rooke, MD**
- 2:13 - 2:21pm Venous and Lymphatic Malformations: What the Vein Specialist Needs to Know **Iris Baumgartner, MD**
- 2:21 - 2:30pm Panel Discussion

THE TEMPEST: COMBINED DISEASEModerators: **Kathleen Gibson, MD; Raghu Kolluri, MD, MS**Panel: **Carl Fastabend, MD; Mona Gupta, MD; Minhaj S. Khaja, MD, MBA; Misaki Kiguchi, MD; Kathleen J. Ozsvath, MD**

- 2:30 - 2:40pm How to Approach Patients With an Acute DVT in the Setting of Chronic Obstruction **Minhaj S. Khaja, MD, MBA**
- 2:40 - 2:50pm Chronic Pelvic Pain: Reflux and Obstruction **Misaki Kiguchi, MD**
- 2:50 - 3:00pm Post Thrombotic Patients With Symptomatic Venous Incompetence—Is Ablation Contraindicated? **Carl Fastabend, MD**
- 3:00 - 3:10pm Chronic Pelvic Pain With Vulvar and Lower Extremity Varicose Veins: Treatment Algorithms **Mona Gupta, MD**
- 3:10 - 3:20pm Edema and Venous Stasis Change in Patients With NIVL or PTS and Superficial Venous Incompetence **Kathleen J. Ozsvath, MD**
- 3:20 - 3:30pm Panel Discussion
- 3:30 - 4:00pm **Refreshment Break & Exhibits (Margaux 1)**
Sponsored Break Session (Margaux 1 Patio)
See **page 16** for more information.

FROM STRANDED TO SAVED: COMPLEX CASESModerators: **Parag J. Patel, MD, MS; Suresh Vedantham, MD**Panel: **Aparna Baheti, MD; Steven M. Dean, DO; Erin Murphy, MD; Andrea Obi, MD; Sanjum Sethi, MD, MPH**

- 4:00 - 4:08pm Pelvic Case **Aparna Baheti, MD**
- 4:08 - 4:16pm Superficial Case **Andrea Obi, MD**
- 4:16 - 4:24pm Medical Management Case **Steven M. Dean, DO**
- 4:24 - 4:35pm Panel Discussion
- 4:35 - 4:43pm Chronic Case **Erin Murphy, MD**
- 4:43 - 4:51pm Acute DVT Case **Sanjum Sethi, MD, MPH**
- 4:51 - 5:00pm Panel Discussion
- 5:00 - 6:15pm **The VEINS Reception**
See **page 6** for more information.

Reminder: Daylight Savings Time ends Sunday, Nov 2. Don't forget to "fall back!"

SUNDAY, NOVEMBER 2

Mouton 1 & 2

BLUE SKY BREAKFAST: THE VEINS INNOVATION SUMMIT | *Non-CME*

Margaux 2

7:00 - 8:00am

Moderators: **Raghu Kolluri, MD, MS; Parag J. Patel, MD, MS**

See **page 7** for event details, a list of devices, and participating companies.

DEEP DIVE: ACUTE | PART 1

Moderators: **Stephen Black, MD; Maureen P. Kohi, MD**

Panel: **Geoffrey Barnes, MD, MSc; Michael Jolly, MD; Dejah Judelson, MD; Suresh Vedantham, MD**

- 8:00 - 8:08am Which DVTs Need Endovascular Intervention, and Which (Probably) Don't?
Suresh Vedantham, MD
- 8:08 - 8:16am Mechanical Thrombectomy in DVT: What's Here and What's Coming
Dejah Judelson, MD
- 8:16 - 8:24am Embolization, Rethrombosis, and Blood Loss in DVT Intervention: What Matters, What Doesn't, and How to Manage It
Michael Jolly, MD
- 8:24 - 8:35am Panel Discussion
- 8:35 - 8:43am Pregnancy and DVT: Keeping Mother and Fetus Safe
Maureen P. Kohi, MD
- 8:43 - 8:51am Pushing the Therapy Forward: Future Research Needs in Acute DVT Intervention
Geoffrey Barnes, MD, MSc
- 8:51 - 9:00am Panel Discussion

DEEP DIVE: ACUTE | PART 2

Moderators: **Steven Abramowitz, MD; Jay Mathews, MD, MS**

Panel: **Stephen Black, MD; Varshana Gurusamy, MD; Rachel Rosovsky, MD, MPH; Aditya Sharma, MBBS**

- 9:00 - 9:08am "Chronic" DVT: Is It a Thrombectomy Target?
Stephen Black, MD
- 9:08 - 9:16am Acute Iliocaval Thrombosis: How I Do It
Jay Mathews, MD, MS
- 9:16 - 9:24am DVT in the Pediatric Population: When Should We Intervene?
Rachel Rosovsky, MD, MPH
- 9:24 - 9:35am Panel Discussion
- 9:35 - 9:43am APS, HIT, and the Rest: Tweaks to Management in the Complex Thrombotic Patient
Aditya Sharma, MBBS
- 9:43 - 9:51am A Great Save, and a Great Fail: DVT Cases With Complications
Varshana Gurusamy, MD
- 9:51 - 10:00am Panel Discussion

10:00 - 10:30am

Refreshment Break & Exhibits (Margaux 1)

Sponsored Break Session (Margaux 1 Patio)

See **page 16** for more information.

THE VEINS AWARD PRESENTATION & PANEL DISCUSSION

Moderator & Award Presenter: **Parag J. Patel, MD, MS**

Panel: **Steve Elias, Kathleen Gibson, MD; Raghu Kolluri, MD, MS; Lindsay Machan, MD; Mark Meissner, MD; Suresh Vedantham, MD**

- 10:30 - 11:15am Following the award presentation, the recipient, moderator, and panelists will hold a panel discussion on: Venous Imaging Pitfalls: Where Do We Go From Here?

LATE-BREAKING CLINICAL TRIALS

Moderators: **Kathleen Gibson, MD; Raghu Kolluri, MD, MS**

Panel: **Stephen Black, MD; Parag J. Patel, MD, MS; Erin Murphy, MD; Suresh Vedantham, MD**

- 11:15 - 11:26am Impact of Junctional Reflux on the Effectiveness of Endovenous Ablation in Patients With Great Saphenous Vein Insufficiency (JURY-2 Study)
Yana Etkin, MD
- 11:26 - 11:37am Short-Term Cost Effectiveness of Large-Bore Mechanical Thrombectomy vs Catheter-Directed Thrombolysis for Intermediate-Risk Pulmonary Embolism From the PEERLESS Randomized Controlled Trial
Samuel Horr, MD
- 11:37 - 11:48am Comparison of Real-World Outcomes in Pulmonary Embolism Patients Undergoing Large Bore Mechanical Thrombectomy or Receiving Anticoagulation Alone: Insights From the Premier Healthcare Database
Jay Giri, MD, MPH
- 11:48am - 12:00pm Two-Year Clinical Outcomes From the Single-Arm Arteriovenous Graft Cohort of the WAVE Trial
Mahmood Razavi, MD

12:00 - 1:15pm

Satellite Symposia (see **page 16** for full list of session titles and locations)

SUNDAY

SUNDAY, NOVEMBER 2

Mouton 1 & 2**THE FUNDAMENTALS, PATIENT SELECTION, & PE ALGORITHMS**Moderators: **Mona Ranade, MD; Aditya Sharma, MBBS**Panel: **Geoffrey Barnes, MD, MSc; Yulanka Castro, MD; Robert Lookstein, MD, MHCDL; Gregory Piazza, MD**

1:15 - 1:22pm	Cracking the PE Code: Choosing the Right Risk Stratification for Your Patient Gregory Piazza, MD
1:22 - 1:29pm	Beyond the Individual: How a Comprehensive PE Program Transforms Systems of Care Geoffrey Barnes, MD, MSc
1:29 - 1:37pm	Panel Discussion
1:37 - 1:44pm	AI Meets PE: The Future of Pulmonary Embolism Robert Lookstein, MD, MHCDL
1:44 - 1:51pm	Complex PE Case Yulanka Castro, MD
1:51 - 2:00pm	Panel Discussion

PE TECHNOLOGIES & TRIALSModerators: **Maureen P. Kohi, MD; Jay Mathews, MD, MS**Panel: **Robert Lookstein, MD, MHCDL; Gregory Piazza, MD; Mona Ranade, MD; Akhilesh Sista, MD**

2:00 - 2:07pm	Thrombectomy Technology: Current and Future State Jay Mathews, MD, MS
2:07 - 2:12pm	Panel Discussion
2:12 - 2:19pm	Pharmacomechanical Strategies: Current and Future State Gregory Piazza, MD
2:19 - 2:24pm	Panel Discussion
2:24 - 2:31pm	IDE Trial Update Mona Ranade, MD
2:31 - 2:36pm	Panel Discussion
2:36 - 2:43pm	RCT Trial Update Akhilesh Sista, MD
2:43 - 2:50pm	Getting to Guidelines: What We Need for Next Steps Robert Lookstein, MD, MHCDL
2:50 - 3:00pm	Panel Discussion

3:00 - 3:30pm

Refreshment Break & Exhibits (Margaux 1)
Sponsored Break Session (Margaux 1 Patio)
 See [page 16](#) for more information.

INTERMEDIATE-RISK PEModerators: **Saher Sabri, MD; Akhilesh Sista, MD**Panel: **Iris Baumgartner, MD; Rabih Chaer, MD, MSc; Daniella Kadian-Dodov, MD; Sahil A. Parikh, MD**

3:30 - 3:37pm	How I Approach the Stable Intermediate-Risk PE Patient Daniella Kadian-Dodov, MD
3:37 - 3:42pm	Panel Discussion
3:42 - 3:49pm	How I Approach the Unstable Intermediate-Risk PE Patient Rabih Chaer, MD, MSc
3:49 - 3:54pm	Panel Discussion
3:54 - 4:01pm	Does Systemic Thrombolysis Still Have a Role in the Treatment of Intermediate-Risk PE? Iris Baumgartner, MD
4:01 - 4:06pm	Panel Discussion
4:06 - 4:13pm	Debate: Mechanical Thrombectomy Is Superior to Catheter-Directed Thrombolysis for Intermediate-Risk PE Sahil A. Parikh, MD
4:13 - 4:20pm	Debate: Mechanical Thrombectomy Has Yet to Prove Itself Better Than Catheter-Directed Thrombolysis Akhilesh Sista, MD
4:20 - 4:30pm	Panel Discussion

HIGH-RISK PEModerators: **Kathleen Gibson, MD; Jun Li, MD**Panel: **Teresa L. Carman, MD; Jay Giri, MD, MPH; Michael Jolly, MD; Mona Ranade, MD; Sanjum Sethi, MD, MPH**

4:30 - 4:37pm	Case Presentation: High-Risk PE Mona Ranade, MD
4:37 - 4:42pm	Panel Discussion
4:42 - 4:49pm	Appropriate Assessment of RV Failure Michael Jolly, MD
4:49 - 4:54pm	Panel Discussion
4:54 - 5:01pm	The Nuts and Bolts of Mechanical Circulatory Support (MCS) in PE Sanjum Sethi, MD, MPH
5:01 - 5:06pm	Panel Discussion
5:06 - 5:13pm	Debate: Systemic TPA Is the "Tried and True" Strategy in High-Risk PE Teresa L. Carman, MD
5:13 - 5:20pm	Debate: The Time Is Now for RV—MCS Is the New King in High-Risk PE Jay Giri, MD, MPH
5:20 - 5:30pm	Panel Discussion

SUNDAY, NOVEMBER 2

Palmer 1 & 2

SUNDAY

SUPERFICIAL SUNDAY AFTERNOON offers hands-on learning with live ultrasound demonstrations and expert-led sessions on the latest in superficial venous care. Join Dr. Steve Elias and faculty as they showcase cutting-edge imaging and emerging technologies to boost your clinical skills and patient outcomes.

HEAD ABOVE WATER: SUPERFICIAL VENOUS

Moderator: **Steve Elias, MD**

Panel: **Steven Abramowitz, MD; Jordan Blake Icteton, MD, RVT; Michael M. Di Iorio, MD; Mark Meissner, MD; Leigh Ann O'Banion, MD; Thom W. Rooke, MD**

2:00 - 2:20pm	Live Ultrasound 1 & Panel Discussion Jordan Blake Icteton, MD, RVT
2:20 - 2:30pm	Emerging Tech: Deep—Debulking, Adjunctive Steven Abramowitz, MD
2:30 - 2:40pm	Emerging Tech: Wounds—Pumps, Wearables, and More Thom W. Rooke, MD
2:40 - 3:00pm	Live Ultrasound 2 & Panel Discussion Jordan Blake Icteton, MD, RVT

3:00 - 3:30pm **Refreshment Break & Exhibits (Margaux 1)**
Sponsored Break Session (Margaux 1 Patio)
See page 16 for more information.

LOST AT SEA: SUPERFICIAL VENOUS

Moderator: **Steve Elias, MD**

Panel: **Minhaj S. Khaja, MD, MBA; Jay Mathews, MD, MS; Andrea Obi, MD**

3:30 - 3:50pm	Live Ultrasound 3 & Panel Discussion Sarah Brisson, RVT
3:50 - 4:10pm	Emerging Tech: Superficial Steve Elias, MD
4:10 - 4:30pm	Live Ultrasound 4 & Panel Discussion Sarah Brisson, RVT

SURVIVING THE SHIPWRECK: SUPERFICIAL VENOUS

Moderator: **Steve Elias, MD**

Panel: **Eri Fukaya, MD, PhD; Manj Gohel, MD; Raghu Kolluri, MD, MS; Mark Meissner, MD; Kathleen J. Ozsvath, MD**

4:30 - 4:45pm	Curbside Consult: Wound Case Raghu Kolluri, MD, MS
4:45 - 5:00pm	Curbside Consult: Superficial Cases With Many Choices Kathleen J. Ozsvath, MD
5:00 - 5:15pm	A Case That Went Right and Then Went Wrong Mark Meissner, MD
5:15 - 5:30pm	A Case That Went Wrong and Then Went Right Manj Gohel, MD

SATELLITE SYMPOSIA & SPONSORED SESSIONS

LUNCH SYMPOSIA

SATURDAY, NOVEMBER 1

12:15 - 1:25PM

Next-Generation Venous Thrombectomy: Advanced Techniques and Case Experiences

Faculty: Sameh Sayfo, MD, MBA
Funded by: Argon Medical Devices, Inc.
Lafleur 1

Superficial Venous Disease: Tailoring Treatment Choices With Clinical Evidence and Coverage Insights

Faculty: Alissa Doth; Kathleen Gibson, MD;
Manj Gohel, MD; Kathleen J. Ozsvath, MD
Funded by: Medtronic
Margaux 2

Venous Voices: Insights in Patient Care

Faculty: Ehrin Armstrong, MD;
Mark Meissner, MD; Erin Murphy, MD
Funded by: BD
Montrachet 1 & 2

SUNDAY, NOVEMBER 2

12:00 - 1:10PM

Be Ready for What's Next in Pulmonary Embolism: Practical Pearls and Evidence- Driven Insights

Faculty: Pat Harty, MD; Michael Jaff, DO;
Daniella Kadian-Dodov, MD;
Gregory Piazza, MD; Mahesh Raju, MD
Funded by: Boston Scientific
Lafleur 1

Deep-Dive on DCBs in PAD: Expert Insights on Sustained Efficacy, Safety, and Future Directions

Faculty: Venita Chandra, MD; John Laird, MD;
Peter Schneider, MD; Thomas Zeller, MD
Funded by: Medtronic
Montrachet 1 & 2

Esprit BTK System: Your New BTK Primary Therapy

Faculty: Elizabeth A. Genovese, MD, MSc;
Barbara A. Kind; Prakash Krishnan, MD;
Rajesh Malik, MD; John A. Phillips, MD
Funded by: Abbott Vascular
Palmer 1 & 2

From Innovation to Impact: Sirolimus Drug Elution Backed by Real-World Outcomes

Faculty: George L. Adams, MD, MBA; Marianne
Brodmann, MD; Jay Mathews, MD, MS;
Eric A. Secemsky, MD, MSc
Funded by: Cordis
Petrus 2

SPONSORED BREAK SESSIONS

SATURDAY, NOVEMBER 1

10:00 - 10:30AM

Outcomes-Based Insights into PE Management Using On the Table Pharmaco- Mechanical Lysis (PML)

Faculty: Aditya Sharma, MBBS
Funded by: Thrombolex, Inc.
Margaux 1 Patio

3:30 - 4:00PM

The Power and Control of the Pounce™ Venous Thrombectomy System

Faculty: Sameh Sayfo, MD, MBA; Abdullah Rifai, MD
Funded by: Surmodics
Margaux 1 Patio

SUNDAY, NOVEMBER 2

10:00 - 10:30AM

Transforming PE Care: Supporting the American Heart Association's Quality Initiative

Funded by: Inari Medical
Margaux 1 Patio

3:00 - 3:30PM

Smooth Sailing: Navigating Varithena in Practice

Faculty: Raghu Kolluri, MD, MS; Keith Sterling, MD
Funded by: Boston Scientific
Margaux 1 Patio

THE VEINS & VIVA FOCUS EXHIBITS

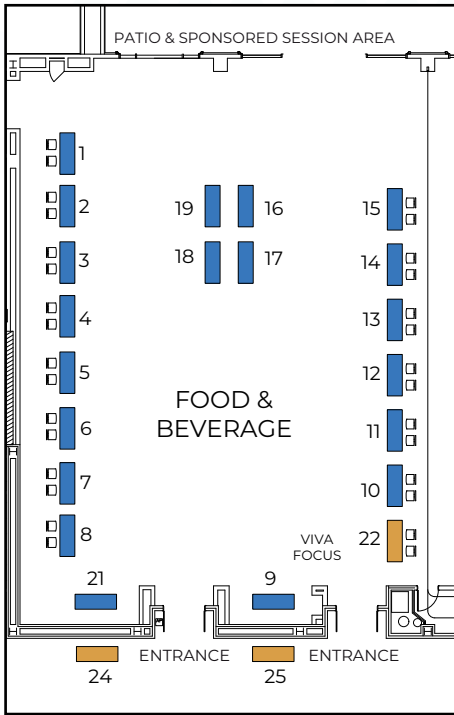
MARGAUX 1

THE VEINS EXHIBIT HOURS

Saturday, November 1 7:15am - 6:15pm *The VEINS Reception: 5:00 - 6:15pm*
 Sunday, November 2 7:15am - 3:30pm

VIVA FOCUS EXHIBIT HOURS

Sunday, November 2 7:15am - 3:30pm



The VEINS program committee is also grateful for support received from Gore & Associates.

The VEINS Exhibitors

Company	Booth
Aidoc.....	5
Akura Medical.....	13
Argon Medical Devices, Inc.....	18
Baylis Medical Technologies.....	12
BD.....	11
Boston Scientific.....	10
CogenTech & LearUp.....	2
Cook Medical.....	3
Cordis.....	8
FlowPhysix.....	19
GBR Medical.....	21
Gore & Associates.....	7
Inari Medical Inc.....	14
Medtronic.....	15
Penumbra, Inc.....	9
Philips.....	4
Surmodics.....	17
Thrombolix, Inc.....	6
Vascular News/BIBA Medical.....	1
Wagner Medical.....	16

VIVA Focus Exhibitors

Booth	Company
Boston Scientific.....	22
Glomb Financial.....	24
Siemens Healthineers.....	25

PREMIER SUITES

Visit the suites of our Global Premier Commercial Supporters for a variety of additional educational programs and social events. Suites will open on Sunday at noon:

Abbott	La Tache 2
Boston Scientific	La Tache 1
Gore & Associates	Lafite 7



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: The Vascular Leaders Forum (VLF)

- 2016: CLTI
- 2018: Carotid Artery Stenting
- 2019: Paclitaxel Safety
- 2022: Iliac Vein Stenting & Thrombectomy
- 2023: NIVL
- 2024: CLTI
- 2025: Aortic Interventions

VLF convenes physicians, scientists, members of industry, the FDA, and CMS to produce white papers that provide direction for key clinical issues and effect advancement of vascular care. VLF is a forum for dialogue between the clinical vascular community and regulatory agencies to break down barriers in communication.

Research

- Field-leading advances in vascular disease:
 - Consensus Statement on the Management of Nonthrombotic Iliac Vein Lesions From the VIVA Foundation, the American Venous Forum, and the American Vein and Lymphatic Society—*Circulation: Cardiovascular Interventions*, 2024
 - Delphi Consensus on Reporting Standards in Clinical Studies for Endovascular Treatment of Acute Iliofemoral Venous Thrombosis and Chronic Iliofemoral Venous Obstruction—*Circulation: Cardiovascular Interventions*, 2023
 - Directional Atherectomy Before Paclitaxel Coated Balloon Angioplasty in Complex Femoropopliteal Disease: The VIVA REALITY Study—*Catheterization & Cardiovascular Interventions*, 2021
 - Mortality and Paclitaxel-Coated Devices: An Individual Patient Data Meta-Analysis—*Circulation*, 2020
 - Carotid Artery Stenting in Asymptomatic Carotid Artery Stenosis—*JACC Journal*, 2020
 - Patient-Level Meta-Analysis of 999 Claudicants Undergoing Primary Femoropopliteal Nitinol Stent Implantation—*Catheterization and Cardiovascular Interventions*, 2017
- Sponsorship and bridge funding for key trials in the field:
 - EMBOLIZE
 - BEST-CLI (NHLBI)
 - XCELL
 - BEST Registry (NHLBI)
 - REALITY
- Developing the next generation of research leaders in clinical vascular research through competitive grant awards in partnership with the American Heart Association

Philanthropy

Supporting Medical Research and Humanitarian Aid:

- AmeriCares
- The American Heart Association
- The American Red Cross
- Doctors Without Borders, USA
- Feeding America & World Food Program
- Fibromuscular Dysplasia Society of America
- Fogarty Institute for Innovation
- Mercy Corps and Ochsner Clinic Foundation - Hurricane Relief
- Vascular Disease Foundation

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INterventional Strategies

THE VEINS

The VEINS program committee would like to thank the following companies for supporting the program with an unrestricted educational grant:

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Thank You to Our Endorsers

