

UPMC LIFE
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MEDICINE

2021

Pittsburgh Vascular Symposium

SPONSORED BY

University of Pittsburgh School of Medicine
Center for Continuing Education in the Health Sciences
UPMC Heart and Vascular Institute

COURSE CO-DIRECTORS

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October 28-30, 2021

Fairmont Pittsburgh Downtown

Pittsburgh, Pennsylvania



OVERVIEW

This course will provide evaluation and critique of the current and future standards of care in the treatment of the vascular patient with respect to medical management, as well as endovascular and open therapies for the primary care provider, cardiologists, interventionalists, and the vascular surgeon. It continues to focus on new developments in technology, as well as surgical techniques, and will highlight the controversies as well as accepted practices.

OBJECTIVES

At the conclusion of the program, attendees should be able to:

- Explain the current standards of care for aortic and peripheral artery disease processes
- Identify and distinguish the various aspects of a modern vascular medical and surgical practice
- Recognize implications of a new era in health care delivery related to vascular pathology
- Delineate the optimal treatment strategies for patients with extremity arterial diseases, aortic aneurysms, thoracic aortic diseases and dissection, carotid artery stenosis, and varicose veins
- Discuss in detail multiple areas of cardiovascular medicine
- Draw informed clinical decisions in cardiovascular medicine
- Forecast and discuss important issues and trends in cardiovascular medicine
- Assess health locally and regionally by evaluating the quality of medical care and disease prevention.

WHO SHOULD ATTEND

This course is designed for primary care providers, cardiologists, interventionalists, vascular surgeons, and other interested healthcare professionals who provide primary care services.

ACCREDITATION AND CREDIT DESIGNATION

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

Physician (CME) — The University of Pittsburgh designates this live activity for a maximum of **16.0 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nursing (CNE) — The maximum number of hours awarded for this Continuing Nursing Education activity is **16.0** contact hours.

Other Health Care Professionals — Other health care professionals will receive a certificate of attendance confirming the number of contact hours commensurate with the extent of participation in this activity.

LOCATION AND ACCOMMODATIONS

The conference will be held in the Grand Ballroom on the second floor of the **Fairmont Pittsburgh Hotel**, located at 510 Market Street, Pittsburgh, PA 15222.

PARKING

Parking is on your own and facilities are available across the street from the Fairmont Pittsburgh Hotel.

SPECIAL NEEDS

Participation by all individuals is encouraged. Advance notification of any special needs will help us provide better service. Please notify us of your needs at least two weeks in advance of the program by emailing byrneme@upmc.edu.

VISIT THE UPMC HEART AND VASCULAR INSTITUTE WEBSITE

The UPMC Heart and Vascular Institute invites you to visit our website at UPMC.com/HVI. Learn more about us and receive information about the conditions we treat, treatment options, specialty programs, services, research and education, our experts, patient stories, and locations.



2021 Pittsburgh Vascular Symposium

SCIENTIFIC PROGRAM AGENDA:

THURSDAY, OCTOBER 28, 2021

9:15 am **Registration & Exhibits**

10:00 am **Welcome Remarks**
Megan Laughlin, CRNP
Michael J. Singh, MD, FACS, RPVI
Georges Al-Khoury, MD
Ulka Sachdev, MD

Session I: APP and Nursing Session

Moderators: Maryanne Henderson, DO, and Megan Laughlin, CRNP

10:10 am **Medical management of PVD**
Christine Pellegrini, CRNP

10:20 am **Nutrition support of the vascular patient:
Pre- and post-operatively**
Emily Stasko, RD, LDN, and Melissa Pearson, CRNP

10:30 am **Algorhythmic approach to lower extremity wounds**
Megan Laughlin, CRNP

10:40 am **Varicose veins: What to treat and how**
Julie Bitner, PA-C

10:50 am **Discussion**

11:00 am **Collaborative care of the amputee**
Maryanne Henderson, DO, Lisa Franz, MPT, and
Lauren Tankesley, PA-C

11:25 am **Devices for lower extremity off-loading:
Foam, shoes, and braces**
Kim Anderson, CRNP

11:35 am **Lower extremity compression: Standard and
novel approaches**
Elizabeth Zinn, PA-C

11:45 am **Lunch & Exhibits**

12:55 pm **Opening Remarks**
Ulka Sachdev, MD
Michael J. Singh, MD, FACS, RPVI

Session II: Lower Extremity Arterial Disease

*Moderators: Kwame S. Amankwah, MD, Georges Al-Khoury, MD, and
Ulka Sachdev, MD*

1:00 pm **Covered or bare metal stenting for aortoiliac disease?
Evidence and current updates**
Elizabeth Genovese, MD, MS

1:10 pm **Is femoral endarterectomy still the gold standard for
common femoral occlusive disease?**
Catherine Go, MD

1:20 pm **Ballooning, stenting, or bypassing popliteal
occlusions?**
Raymond E. Eid, MD

1:30 pm **Current status of lithotripsy in SFA lesions: Does it
make a difference?**
Misaki M. Kiguchi, MD

1:40 pm **Management of femoropopliteal dissection: Update
on TACK endovascular system**
Kwame S. Amankwah, MD, MSc, FACS, FSVS, RPVI

1:50 pm **Advancing access site closure**
Michael J. Singh, MD, FACS, RPVI

2:00 pm **Case Presentation and Discussion**
Kathy Gonzalez, MD

2:30 pm **Break and Exhibits**

Session III: Venous Disease

*Moderators: Eric S. Hager, MD, Ellen D. Dillavou, MD, FACS, and
Misaki M. Kiguchi, MD*

3:00 pm **How my practice has changed since the introduction
of non-thermal techniques for GSV ablation**
Eric S. Hager, MD

3:10 pm **Venous ulceration: Ablate the superficial reflux early
but don't neglect deep reflux or obstruction**
Ellen D. Dillavou, MD, FACS

3:20 pm **What you should know about the novel dedicated
venous stents**
Natalie D. Sridharan, MD

3:30 pm **Infrared thermography and venous disease**
Karim Salem, MD

3:40 pm **PE intervention: Current role and novel techniques**
Misaki M. Kiguchi, MD

3:50 pm **Team approach to PE management: Have PERTs
improved outcomes?**
Efthymios "Makis" Avgerinos, MD, FACS, FEBVS

4:00 pm **Case Presentation and Discussion**
Robert Tahara, MD

4:30 pm **Thursday Adjournment**
Georges Al-Khoury, MD

4:45 pm **Cocktail Reception for Vendors and Conference Attendees in Ballroom Foyer**

6:30 pm **Dinner for U.S. and International Faculty**

Eddie Merlot's Pittsburgh
Four Gateway Center (Corner of Liberty Ave. and Stanwix St.)
444 Liberty Avenue, Suite #100
Pittsburgh, Pennsylvania 15222
Phone: 412-235-7676

FRIDAY, OCTOBER 29, 2021

7:00 am **Continental Breakfast and Registration**

7:40 am **Opening Remarks**

Michael J. Singh, MD, FACS, RPVI
Georges Al-Khoury, MD

Session IV: Carotids

Moderators: Brajesh K. Lal, MD, Edith Tzeng, MD, and Michael C. Stoner, MD

7:45 am **Best medical treatment for CAD: Can plaques stabilize or even shrink?**

Efthymios "Makis" Avgerinos, MD, FACS, FEBVS

7:55 am **Cognitive decline in asymptomatic carotid disease: Can intervention prevent the inevitable?**

Brajesh K. Lal, MD

8:05 am **Asymptomatic near occlusion of internal carotid artery: Do I have to intervene?**

Edith Tzeng, MD

8:15 am **TCAR update: Evidence, patient selection, and technical pearls**

Michael C. Stoner, MD

8:25 am **How do I choose the right patient for the right procedure: CEA vs CAS vs TCAR**

Brajesh K. Lal, MD

8:35 am **Urgent CEA timing and patient selection**

Michael C. Madigan, MD

8:45 am **Stroke intervention: Advanced techniques and standards of care**

Bradley Gross, MD

8:55 am **Case Presentation and Discussion**

Othman Abdul-Malak, MD

9:15 am **Break & Exhibits**

Session V: Thoracic Aorta

Moderators: Michael J. Singh, MD, FACS, RPVI, Jean M. Panneton, MD, FRCSC, FACS, and W. Darrin Clouse, MD

9:45 am **Arch aneurysms: Choosing the right treatment — open, hybrid, or endovascular**
W. Darrin Clouse, MD

9:55 am **Arch thoracic branch devices: Mid-term results**
Stéphan Haulon, MD, PhD

10:05 am **Off the shelf thoracoabdominal branch devices**
Jean M. Panneton, MD, FRCSC, FACS

10:15 am **Blunt aortic injuries: TEVAR indications and outcomes**
Kristofer M. Charlton-Ouw, MD, FACS

10:25 am **Acute type-B aortic dissection: Optimal timing of repair**
W. Darrin Clouse, MD

10:35 am **Chronic type-B dissections: Endovascular treatment options**
Jean M. Panneton, MD, FRCSC, FACS

10:45 am **TAAA endovascular treatment: TAMBE results**
Nathan Liang, MD

10:55 am **Case Presentation and Discussion**
Amanda R. Phillips, MD

11:15 am **Keynote Lecture: Endovascular treatment of challenging chronic dissections**
Stéphan Haulon, MD, PhD
Professor of Vascular Surgery
Head of Aortic Center
Hôpital Marie Lannelongue
Université Paris Sud

11:45 pm **Lunch & Exhibits**

Session VI: Critical Limb Ischemia

Moderators: Elizabeth Genovese, MD, MS, Georges Al-Khoury, MD, and Steven A. Leers, MD, RVT, RPVI, FSVU

1:00 pm **Limb salvage in ESRD patients: Is it worth the effort?**
Steven A. Leers, MD, RVT, RPVI, FSVU

1:10 pm **Drug elution: When is it indicated in CLI patients?**
Kwame S. Amankwah, MD, MSc, FACS, FSVS, RPVI

1:20 pm **Endovascular first approach for CLI: Does it burn any bridges?**
Elizabeth Genovese, MD, MS

1:30 pm **Tibial interventions: Is there a role for stenting?**
Rabih A. Chaer, MD, MSc

1:40 pm **Tibial and pedal bypass: Is there a role for alternative conduits in the absence of single segment GSV?**
Lindsey Haga, MD

- 1:50 pm **Building a multidisciplinary limb salvage program**
Georges Al-Khoury, MD
- 2:00 pm **Case Presentation and Discussion**
Mirnal Chaudhary, MD
- 2:20 pm **Break & Exhibits**
- Session VII: Abdominal Aorta**
Moderators: Mohammad H. Eslami, MD, W. Darrin Clouse, MD, and Darren B. Schneider, MD
- 2:50 pm **Aortic neck dilation following EVAR: When is it a concern?**
Michael C. Stoner, MD
- 3:00 pm **Type IA endoleaks: Endovascular options**
Darren B. Schneider, MD
- 3:10 pm **Type IA endoleaks: Open repair options**
Kristofer M. Charlton-Ouw, MD, FACS
- 3:20 pm **Infected endografts: Treatment options and outcomes**
Mohammad H. Eslami, MD
- 3:30 pm **TEVAR and EVAR: The role for IVUS imaging**
Fanny Alie-Cusson, MD
- 3:40 pm **Durability and fallibility of internal iliac branch devices**
Darren B. Schneider, MD
- 3:50 pm **Case Presentation and Discussion**
Elizabeth Andraska, MD

Session VIII: Dialysis Access

Moderators: Ellen D. Dillavou, MD, FACS, Theodore H. Yuo, MD, MSc, and Gregory G. Salzler, MD, MSc

- 4:10 pm **Novel AVG: Advantages and disadvantages**
Gregory G. Salzler, MD, MSc
- 4:20 pm **Vein mapping for dialysis access: Do we need it?**
Ryan McEnaney, MD
- 4:30 pm **Management options for central venous stenosis and occlusion**
Ellen D. Dillavou, MD, FACS
- 4:40 pm **Drug-coated balloons vs. stenting for stenosis**
Gregory G. Salzler, MD, MSc
- 4:50 pm **Percutaneous AVF: Why, when, who?**
Theodore H. Yuo, MD, MSc
- 5:00 pm **Peritoneal dialysis**
Ulka Sachdev, MD
- 5:10 pm **Case Presentation and Discussion**
Mitchell Dyer, MD
- 5:30 pm **Friday Adjournment**
Ulka Sachdev, MD

Friday Evening Social Event — TBD

- 7:15 am **Continental Breakfast and Registration**
- 8:00 am **RPVI Review Course — Welcome and Opening Remarks**
Steven A. Leers, MD, RVT, RPVI, FSVU
- 8:10 am **Physics I**
Frank Miele, MSEE
- 8:30 am **Transducers and flow direction**
Hanna Kruk
- 8:40 am **Cerebrovascular testing**
Heather L. Gornik, MD
- 9:00 am **Waveform bootcamp**
Steven A. Leers, MD, RVT, RPVI, FSVU and Heather L. Gornik, MD
- 9:15 am **Venous: DVT and reflux testing**
Amanda Grealish
- 9:30 am **Refreshment Break**
- 9:50 am **Physics II**
Frank Miele, MSEE
- 10:10 am **PAD testing: Physiologic and duplex**
Amy L. Steinmetz, RDMS, RVT
- 10:30 am **PAD testing: Case studies**
Heather L. Gornik, MD and Amy L. Steinmetz, RDMS, RVT
- 10:50 am **Visceral testing**
Steven A. Leers, MD, RVT, RPVI, FSVU
- 11:10 am **Surveillance after intervention**
Heather L. Gornik, MD
- 11:30 am **Post-EVAR duplex**
Amanda Grealish
- 11:50 am **Panel discussion and questions**
Moderator: Steven A. Leers, MD, RVT, RPVI, FSVU
- Noon **Conference Adjournment**

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Local faculty members are affiliated with the University of Pittsburgh School of Medicine and/or UPMC and reside in the Pittsburgh, PA area unless otherwise identified.

REGISTRATION INFORMATION

Pre-Register — All pre-registrations are due before **October 20, 2021**. Registrations after this date are accepted only as on-site registrations. Registering online is the quickest and easiest way to reserve your space.

Please visit our online registration site at <https://cce.upmc.com/2021-pittsburgh-vascular-symposium>. After registering, an electronic confirmation will be sent to the email address you provided when you registered.

Please note: Registration is not complete until you receive this confirmation. If you do not receive this confirmation within 5-7 days of registration, please contact us at **412-802-3031**. You must bring this confirmation with you to the conference.

Cancellation — All cancellations must be in writing, via email or fax. Tuition for cancellations on or before **October 7, 2021**, will be completely refunded. After **October 7, 2021**, a \$35 administrative fee will be assessed. No refunds will be made after **October 20, 2021**. Cancellation requests can be made to: Mark Byrne at byrneme@upmc.edu or via fax to **412-291-1669**.

The UPMC Center for Continuing Education reserves the right to cancel this program if sufficient registrations are not received. In the case of cancellation, the department will fully refund registration fees.

Registration Fees (Pre-Register / On-Site)

- Physicians: \$200 / \$300
 - Physicians within the UPMC Heart & Vascular Institute should contact Mark Byrne at **412-802-3031** or via email at byrneme@upmc.edu to register.
- Residents and Fellows: * Fee Waived / \$100
 - Residents and Fellows can apply for a fee waiver by contacting Mark Byrne at **412-802-3031** or via email at byrneme@upmc.edu.
- Nurses, PAs, and other health care professionals: \$100 / \$150

Registration fee includes:

- Continuing education credit
- Registration and course materials
- Continental breakfast, refreshments and lunch
- For additional information, contact the Conference Manager, Mark Byrne, at **412-802-3031** or via email at byrneme@upmc.edu.

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The UPMC Center for Continuing Education in the Health Sciences invites you to visit our website at <https://cce.upmc.com>. Receive information on CME programs, earn CME credits on the Internet, and access information about our formal courses and much more. Discover who we are and how you can contact us. Please visit our web location often to get updated information on upcoming programs.