17th ANNUAL
Pittsburgh
Vascular Symposium

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

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May 21-23, 2020
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.

CONTINUING EDUCATION CREDIT
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 healthcare team.

Physician (CME) — The University of Pittsburgh designates this live activity for a maximum of 18.25 AMA PRA Category 1 Credits™. Physicians should only claim 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 18.25 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 calling 412-802-3031.

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.
17th Annual
Pittsburgh Vascular Symposium

SCIENTIFIC PROGRAM AGENDA:
THURSDAY, MAY 21, 2020

9:15 am  Registration & Exhibits

10:00 am  Welcome Remarks
Efthymios “Makis” Avgerinos, MD, FACS, FEBVS
Michael J. Singh, MD, FACS, RPVI
Megan Laughlin, CRNP
Steven A. Leers, MD, RVT, RPVI, FSVU

Session I: APP and Nursing Session
Moderators: Maryanne Henderson, DO; Megan Laughlin, CRNP; and Carol Madia, PA-C

10:10 am  Varicose veins: When to treat and with what?
Julie Bitner, PA-C

10:20 am  An algorhythmic approach to wound care
Megan Laughlin, CRNP

10:30 am  Interdisciplinary approaches to wound care
Lauren Tankesley, PA-C

10:40 am  The nutrition approach to the vascular patient and wound healing
Emily Stasko, RD, LDN

10:50 am  Discussion

11:05 am  Collaborative care of the amputee
Maryanne Henderson, DO and Lisa Franz, MPT

11:30 am  Post-intervention femoral pseudoaneurysms: Current trends for treatment
Carol Madia, PA-C

11:40 am  Dermal fillers and Botox injections
Autumn Groscost, PA-C

11:50 am  Discussion

Noon  Lunch & Exhibits

12:55 pm  Opening Remarks
Efthymios “Makis” Avgerinos, MD, FACS, FEBVS
Michael J. Singh, MD, FACS, RPVI
Megan Laughlin, CRNP
Steven A. Leers, MD, RVT, RPVI, FSVU

Session II: Lower Extremity Arterial Disease
Moderators: Kwame S. Amankwah, MD, MSc, FACS, FSVS, RPVI; Elizabeth Genovese, MD, MS, and Patrick Muck, MD

1:00 pm  Conservative management of claudication: Can we achieve a realistic symptom improvement?
Raghu Kolluri, MD

1:08 pm  Covered or bare metal stenting for aortoiliac disease?
Evidence and current updates
Elizabeth Genovese, MD, MS

1:16 pm  Complex aortoiliac recanalization: CERAB and other techniques
Georges Al-Khoury, MD

1:24 pm  Mechanical endothrombectomy is eliminating the need for lytic agents in ALI
Patrick Muck, MD

1:32 pm  Case Presentation
Karim Salem, MD

1:38 pm  Discussion

2:00 pm  Update on drug elution mortality signal: Flawed statistics or reality?
Nathan Liang, MD

2:08 pm  Drug elution debate: I feel comfortable offering it to the majority of my CLI patients
Kwame S. Amankwah, MD, MSc, FACS, FSVS, RPVI

2:16 pm  Drug elution debate: I would only use it in few carefully selected CLI patients
Dipankar Mukherjee, MD, FACS

2:24 pm  Case Presentation
Scott Chapman, MD

2:30 pm  Discussion

2:45 pm  Update on Novel Technologies
Moderators: Efthymios “Makis” Avgerinos, MD, FACS, FEBVS; Andrew E. Leake, MD, and Michael J. Singh, MD, FACS, RPVI

Collateral circulation in arterial occlusive disease
Ryan McEnaney, MD

Management of acute aortic trauma: Future trend of care
Bryan W. Tillman, MD, PhD, RPVI, FACS

Percutaneous dialysis techniques
Theodore H. Yuo, MD, MSc
May 21, 2020 — Continued

3:15 pm  Break & Exhibits

**Session III: Venous Disease**

*Moderators: Eric S. Hager, MD; Raghu Kolluri, MD, and Robert Tahara, MD*

3:45 pm  **How my practice has changed since the introduction of non-thermal techniques for GSV ablation**
Eric S. Hager, MD

3:53 pm  **Venous ulceration: Ablate the superficial reflux early but don’t neglect deep reflux or obstruction**
Efthymios “Makis” Avgerinos, MD, FACS, FEBVS

4:01 pm  **What you should know about the novel dedicated venous stents**
Natalie D. Sridharan, MD

4:09 pm  **Case Presentation**
Robert Tahara, MD

4:17 pm  **Discussion**

4:33 pm  **Venous thromboembolic disease: Choosing the right anticoagulant for the right patient**
Ulka Sachdev, MD

4:41 pm  **Acute DVT intervention: Current role and novel techniques**
Raghu Kolluri, MD

4:49 pm  **PE intervention: Current role and novel techniques**
Patrick Muck, MD

4:57 pm  **Team approach to PE management: Have PERTs improved outcomes?**
Michael R. Jaff, DO

5:05 pm  **Case Presentation**
Elizabeth Andraska, MD

5:11 pm  **Discussion**

5:30 pm  **Thursday Adjournment**

7:00 pm  **Dinner for U.S. and International Faculty**
Eddie Merlot’s Pittsburgh
Four Gateway Center (Corner of Liberty Ave. & Stanwix St.)
444 Liberty Avenue, Suite #100
Pittsburgh, Pennsylvania 15222
Phone: 412-235-7676

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**FRIDAY, MAY 22, 2020**

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

7:50 am  **Opening Remarks**
Efthymios “Makis” Avgerinos, MD, FACS, FEBVS
Michael J. Singh, MD, FACS, RPVI
Megan Laughlin, CRNP
Steven A. Leers, MD, RVT, RPVI, FSVU

**Session IV: Carotids**

*Moderators: Brajesh K. Lal, MD; Professor A. Ross Naylor, and Timur P. Sarac, MD*

8:00 am  **Best medical treatment for CAD: Can plaques stabilize or even shrink?**
Michael R. Jaff, DO

8:08 am  **Cognitive decline in asymptomatic carotid disease: Can intervention prevent the inevitable?**
Brajesh K. Lal, MD

8:16 am  **Asymptomatic near occlusion of internal carotid artery: Do I have to intervene?**
Timur P. Sarac, MD

8:24 am  **Is there a role for completion imaging after carotid endarterectomy**
Michael C. Madigan, MD

8:32 am  **Discussion**

8:48 am  **TCAR update: Evidence, patient selection and technical pearls**
Andrew E. Leake, MD

8:56 am  **How do I choose the right patient for the right procedure: CEA vs CAS vs TCAR**
Brajesh K. Lal, MD

9:04 am  **Urgent CEA or CAS? Timing and patient selection**
Professor A. Ross Naylor

9:12 am  **Stroke intervention: Advanced techniques and standards of care**
Bradley Gross, MD

9:20 am  **Case Presentation**
Adham Abou Ali, MD

9:26 am  **Discussion**

9:45 am  **Break & Exhibits**
Session V: Aorta

Moderators: Cherrie Z. Abraham, MD; Kristofer M. Charlton-Ouw, MD, FACS, and William D. Jordan Jr., MD

10:15 am Aortic Arch: Selection of a healthy seal zone and anatomic limitations
Thomas G. Gleason, MD, FACS, FACC, FACCPC

10:23 am Arch Aneurysms: Current and future treatment options
William D. Jordan Jr., MD

10:31 am Penetrating aortic ulcers and intramural hematomas: When is TEVAR indicated?
Kristofer M. Charlton-Ouw, MD, FACS

10:39 am Endovascular TAAA repair with off the shelf devices
Cherrie Z. Abraham, MD

10:47 am Discussion

10:53 am EVAR: When is a short neck too short?
Kwame S. Amankwah, MD, MSc, FACS, FSVS, RPVI

11:11 am BEVAR and FEVAR: Managing unexpected branch vessel adverse events
Cherrie Z. Abraham, MD

11:19 am Techniques for int-iliac artery preservation during EVAR
Darren B. Schneider, MD

11:27 am Endograft infections: Is graft resection the only option?
Michael J. Singh, MD, FACS, RPVI

11:35 am Case Presentation (Thoracic)
Andrew E. Leake, MD

11:41 am Discussion

Noon Keynote Lecture
Professor A. Ross Naylor
Honorary Professor of Vascular Surgery
Department of Cardiovascular Sciences
University of Leicester
Leicester, England, United Kingdom

12:30 pm Lunch & Exhibits

Session VI: Critical Limb Ischemia

Moderators: George H. Meier III, MD; Dipankar Mukherjee, MD, FACS, and Edith Tzeng, MD

1:30 pm Role of new stem therapies. Wishful or realistic expectation?
Edith Tzeng, MD

1:38 pm Integrated approach to the CLI patient
George H. Meier III, MD

1:46 pm This is my algorithm for long SFA lesions
Rabih A. Chaer, MD, MSc

1:54 pm Current status of atherectomy and lithotripsy is SFA lesions: Do they make a difference?
Dipankar Mukherjee, MD, FACS

2:02 pm Discussion

2:10 pm Ballooning, stenting or bypassing popliteal occlusions?
Raymond E. Eid, MD

2:28 pm Update on tibial and pedal interventions
Elizabeth Genovese, MD, MS

2:36 pm Tibial and pedal bypass: Is there a role for alternative conduits in the absence of single segment GSV?
George H. Meier III, MD

2:44 pm Case Presentation
Xiaoyi Li, MD

2:50 pm Discussion

3:00 pm Break & Exhibits

Session VII: Abdominal Aorta

Moderators: Jason T. Lee, MD; William D. Jordan Jr., MD, and Darren B. Schneider, MD

3:30 pm Aortic neck dilation following EVAR: Is it a concern?
Jason T. Lee, MD

3:38 pm Intraprocedural type IA endoleaks: When is intervention needed?
Richard E. Redlinger, Jr., MD

3:46 pm Late type IA endoleaks: What endo options are best?
William D. Jordan Jr., MD

3:54 pm Endograft explantation: Techniques and outcomes
Mohammad H. Eslami, MD

4:02 pm Case Presentation
Paul S. Lajos, MD, FACS, RPVI
May 22, 2020 — Continued

4:08 pm  Case Presentation
Lindsey Haga, MD

4:16 pm  Discussion

Session VIII: Dissections
Moderators: Jason T. Lee, MD; William D. Jordan Jr., MD, and Darren B. Schneider, MD

4:40 pm  Timing of TEVAR for uncomplicated type B dissections
Kristofer M. Charlton-Ouw, MD, FACS

4:48 pm  Strategies for false lumen thrombosis
Darren B. Schneider, MD

4:56 pm  Chronic type B dissections: When is open surgery indicated?
Timur P. Sarac, MD

5:04 pm  Management of residual type B dissections following type A repair
Ibrahim Sultan, MD, FACC

5:12 pm  Management of visceral artery involvement in TBAD
Jason T. Lee, MD

5:20 pm  Discussion

5:40 pm  Friday Adjournment

7:00 pm  Pittsburgh Pirates Baseball Game:
Pittsburgh Pirates vs. San Francisco Giants
PNC Park
115 Federal Street (North Shore)
Pittsburgh, PA 15212

SATURDAY, MAY 23, 2020

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
Amy L. Steinmetz, RDMS, RVT

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
Steven A. Leers, MD, RVT, RPVI, FSVU and Heather L. Gornik, MD

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
Tracey Richardson, RDMS, RVT

11:50 am  Panel discussion and questions

Noon  Conference Adjournment
FACULTY

INTERNATIONAL GUEST FACULTY

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University of Leicester
Leicester, England, United Kingdom

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Frank Miele, MSEE
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Dallas, TX

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Chief, Vascular Surgery
Inova Fairfax Hospital
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Director of The Aortic Center
The Ohio State University School of Medicine
Wexner Medical Center
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UPMC Centers for Rehab Services

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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.

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