

UPMC LIFE
CHANGING
MEDICINE

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*

COURSE CO-DIRECTORS

Efthymios "Makis" Avgerinos, MD, FACS, FEBVS

Course Co-Director
Associate Professor of Surgery
Division of Vascular Surgery
UPMC Heart and Vascular Institute
Pittsburgh, PA

Michael J. Singh, MD, FACS, RPVI

Course Co-Director
Associate Professor of Surgery
Division of Vascular Surgery
UPMC Heart and Vascular Institute
Pittsburgh, PA

Megan Laughlin, CRNP

Associate Course Director
Nurse Practitioner
Division of Vascular Surgery
UPMC Heart and Vascular Institute
Pittsburgh, PA

Steven A. Leers, MD, RVT, RPVI, FSVU

Associate Course Director
Medical Director, UPMC Vascular Laboratories
Professor of Surgery
Division of Vascular Surgery
UPMC Heart and Vascular Institute
Pittsburgh, PA

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

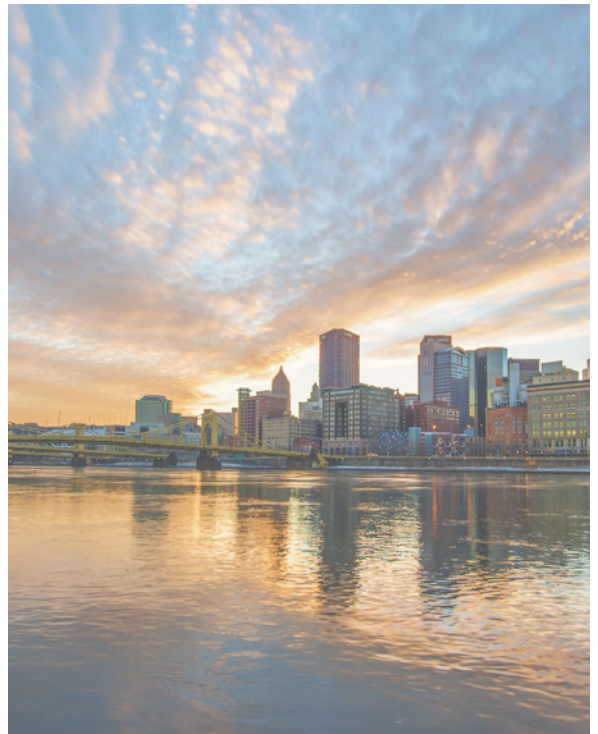
Parking is on your own and facilities are available across the street from the Fairmont Pittsburgh Hotel.

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 algorithmic 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 Groscoast, 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 endovascular thrombectomy is eliminating the need for lytic agents in ALL**
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

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

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, FACCP
- 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**
- 11:03 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**
- 2:20 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

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

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

Professor A. Ross Naylor

Honorary Professor of Vascular Surgery
Department of Cardiovascular Sciences
University of Leicester
Leicester, England, United Kingdom

U.S. GUEST FACULTY

Cherrie Z. Abraham, MD

Associate Professor of Surgery
Division of Vascular Surgery
Oregon Health & Science University
Portland, OR

Kwame S. Amankwah, MD, MSc, FACS, FSVS, RPVI

Chief, Vascular and Endovascular Surgery
University of Connecticut
Farmington, CT

Kristofer M. Charlton-Ouw, MD, FACS

Associate Professor
Program Director, Vascular Surgery Fellowship
and Integrated Residency
Department of Cardiothoracic and Vascular Surgery
McGovern Medical School at the University of Texas
Health Science Center at Houston
Houston, TX

Elizabeth Genovese, MD, MS

Assistant Professor of Surgery
Division of Vascular Surgery
Medical University of South Carolina
Charleston, SC

Heather L. Gornik, MD

Co-Director, Vascular Center
University Hospitals Harrington Heart & Vascular Institute
Professor of Medicine, Case Western Reserve University
Cleveland, OH

Michael R. Jaff, DO

Vascular Surgeon
Boston, MA

William D. Jordan Jr., MD

Professor of Surgery
Chief, Division of Vascular Surgery and Endovascular Therapy
Department of Surgery
Emory University School of Medicine
Atlanta, GA

Raghu Kolluri, MD

Medical Director, Vascular Medicine
OhioHealth Vascular Institute
Columbus, OH

Brajesh K. Lal, MD

Professor, Vascular Surgery, University of Maryland School of Medicine
Chief, Vascular Service, Baltimore VA Medical Center
Director, Center for Vascular Research, University of Maryland
Baltimore, MD

Andrew E. Leake, MD

Vascular Surgeon
Vascular Surgery Associates
Richmond, VA

Jason T. Lee, MD

Professor of Surgery
Division of Vascular Surgery
Stanford University Medical Center
Stanford, CA

George H. Meier III, MD

Vascular Surgeon
Harrison Medical Center
Bremerton, WA

Frank Miele, MSEE

Pegasus Lectures, Inc.
Dallas, TX

Patrick Muck, MD

Chief of Vascular Surgery
Program Director Vascular Fellowship & Integrated Residency
Good Samaritan Hospital
Cincinnati, OH

Dipankar Mukherjee, MD, FACS

Chief, Vascular Surgery
Inova Fairfax Hospital
Falls Church, VA

Timur P. Sarac, MD

Professor & Chief, Section of Vascular Surgery
Director of The Aortic Center
The Ohio State University School of Medicine
Wexner Medical Center
The Ross Heart Hospital
Columbus, OH

Darren B. Schneider, MD

Associate Professor of Surgery
Chief, Division of Vascular & Endovascular Surgery
Weill Cornell Medicine
New York Presbyterian Hospital
New York, NY

LOCAL FACULTY

Adham Abou Ali, MD

Vascular Surgery Resident
Division of Vascular Surgery

Georges Al-Khoury, MD

Assistant Professor of Surgery
Division of Vascular Surgery

Elizabeth Andraska, MD

Vascular Surgery Resident
Division of Vascular Surgery

Efthymios "Makis" Avgerinos, MD, FACS, FEBVS

Associate Professor of Surgery
Division of Vascular Surgery

Julie Bitner, PA-C

Physician Assistant
Division of Vascular Surgery

Rabih A. Chaer, MD, MSc

Residency and Fellowship Program Director
Professor of Surgery
Division of Vascular Surgery

Scott Chapman, MD

Vascular Surgery Fellow
Division of Vascular Surgery

Raymond E. Eid, MD

Assistant Professor of Surgery
Division of Vascular Surgery

Mohammad H. Eslami, MD

Professor of Surgery
Division of Vascular Surgery

Lisa Franz, MPT

Physical Therapist
Facility Director, UPMC Mercy South Side Outpatient Center
UPMC Centers for Rehab Services

Thomas G. Gleason, MD, FACS, FACC, FACC

Co-Director, UPMC Heart and Vascular Institute
Professor and Chief
Division of Cardiac Surgery

Amanda Grealish

Peripheral Vascular Lab Technologist
Division of Vascular Surgery

Autumn Groscoast, PA-C

Physician Assistant
Department of Plastic Surgery

Bradley Gross, MD

Assistant Professor
Director of Endovascular Neurosurgery
Department of Neurological Surgery

Lindsey Haga, MD

Assistant Professor of Surgery
Division of Vascular Surgery

Eric S. Hager, MD

Assistant Professor of Surgery
Division of Vascular Surgery

Maryanne Henderson, DO

Assistant Professor
Department of Physical Medicine and Rehabilitation

Paul S. Lajos, MD, FACS, RPVI

Medical Director and Chief of Vascular Surgery, UPMC Hamot
Associate Professor of Surgery
Division of Vascular Surgery
Erie, Pennsylvania

Megan Laughlin, CRNP

Nurse Practitioner
Division of Vascular Surgery

Steven A. Leers, MD, RVT, RPVI, FSVU

Medical Director, UPMC Vascular Laboratories
Professor of Surgery
Division of Vascular Surgery

Xiaoyi Li, MD

Vascular Surgery Fellow
Division of Vascular Surgery

Nathan Liang, MD

Assistant Professor of Surgery
Division of Vascular Surgery

Carol Madia, PA-C

Physician Assistant
Division of Vascular Surgery

Michael C. Madigan, MD

Assistant Professor of Surgery
Division of Vascular Surgery

Michel S. Makaroun, MD

Co-Director, UPMC Heart and Vascular Institute
Professor and Chair
Division of Vascular Surgery

Ryan McEnaney, MD

Assistant Professor of Surgery
Division of Vascular Surgery

Richard E. Redlinger Jr., MD

Assistant Clinical Professor of Surgery
Division of Vascular Surgery

Tracey Richardson, RDMS, RVT

Technical Coordinator, UPP Peripheral Vascular Laboratory
Division of Vascular Surgery

Ulka Sachdev, MD

Associate Professor of Surgery
Division of Vascular Surgery

Karim Salem, MD

Vascular Surgery Resident
Division of Vascular Surgery

Michael J. Singh, MD, FACS, RPVI

Associate Professor of Surgery
Division of Vascular Surgery

Natalie Sridharan, MD

Assistant Professor of Surgery
Division of Vascular Surgery

Emily Stasko, RD, LDN

Dietician, Food & Nutrition Services
UPMC Presbyterian Shadyside

Amy L. Steinmetz, RDMS, RVT

Peripheral Vascular Lab Technologist
Division of Vascular Surgery

Ibrahim Sultan, MD, FACC

Assistant Professor of Cardiothoracic Surgery
Department of Cardiothoracic Surgery

Robert Tahara, MD

Attending Surgeon in Vascular Surgery
Bradford Regional Medical Center
Director, Allegheny Vein & Vascular
Bradford, PA

Lauren Tankesley, PA-C

Physician Assistant
Division of Vascular Surgery

Bryan W. Tillman, MD, PhD, RPVI, FACS

Assistant Professor of Surgery
Division of Vascular Surgery

Edith Tzeng, MD

Professor of Surgery
Division of Vascular Surgery

Theodore H. Yuo, MD, MSc

Assistant Professor of Surgery
Division of Vascular Surgery

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.

All individuals in a position to control the content of this education activity are required to disclose all relevant financial relationships with any entity producing, marketing, re-selling, or distributing health care goods or services, used on, or consumed by, patients.

The University of Pittsburgh is an affirmative action, equal opportunity institution.

REGISTRATION INFORMATION

Pre-Register — All pre-registrations are due before **May 20, 2020**. 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/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.

Paper registrations are available by fax or email. Please contact Mark Byrne at **412-802-3031** or byrneme@upmc.edu if you are unable to register online and require the use of a paper registration form. UPMC employees whose registration fee will be remitted via journal transfer should request the paper registration form.

Cancellation — All cancellations must be in writing, via email or fax. Tuition for cancellations on or before **May 7, 2020**, will be completely refunded. After **May 7, 2020**, a \$35 administrative fee will be assessed. No refunds will be made after **May 20, 2020**. 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 and 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: \$50 / \$100 - THURSDAY ONLY

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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