

UPMC

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

Course Director

Rabih Chaer, MD, MSc

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

Associate Course Directors

Donald T. Baril, MD

Associate Program Director, Residency and Fellowship Programs
Assistant Professor of Surgery, Division of Vascular Surgery

Eric S. Hager, MD

Assistant Professor of Surgery
Division of Vascular Surgery

Steven A. Leers, MD, RVT

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

September 10-12, 2015

13th Annual

Pittsburgh Vascular Symposium

**Current Vascular Therapies:
What Has Changed and
What is Still the Gold Standard**

Wyndham Grand 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 health care professionals who provide primary care services.

Continuing Education Credit

The University of Pittsburgh School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Pittsburgh School of Medicine designates this live activity for a maximum of **13.75 AMA PRA Category 1 Credit(s)**[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other health care professionals are awarded **1.3** continuing education units (CEUs) which are equal to **13.7** contact hours.

Meeting Location and Accommodations

The conference will be held in the Kings Garden Conference Center in the **Wyndham Grand Pittsburgh Downtown**, located at 600 Commonwealth Place, Pittsburgh, PA 15222. The conference has contracted a limited number of hotel rooms at the Wyndham Grand for conference attendees. You may book a room by calling the hotel at **(888) 317-0197** or **(412) 391-4600** and asking for the *UPMC Pittsburgh Vascular Conference Room Block* in order to receive our reduced rates. The special reduced rate is \$155 plus tax per night. These accommodations are not included in the registration fee. If you experience any problems booking your room, please telephone Mark Byrne at (412) 802-3031. Room availability cannot be guaranteed beyond the block or the contracted end date of 4:00 pm on **August 10, 2015**.

Parking

Parking is on your own and facilities are available across the street from and below the Wyndham Grand Pittsburgh Downtown.

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 Web Site

Our Internet address is: www.upmc.com/hvi

The UPMC Heart and Vascular Institute invites you to visit our web location. Learn more about us and receive information on conditions we treat, treatments, specialty programs, services, research and education, our experts, patient stories, and locations.

13th Annual Pittsburgh Vascular Symposium

Current Vascular Therapies: What Has Changed and What is Still the Gold Standard

Schedule – Thursday, September 10, 2015

Noon Registration

12:55 pm **Welcome and Opening Remarks**
Rabih Chaer, MD, MSc

Session I – Dialysis Access

Moderators: James Johnston, MD and Steven Leers, MD, RVT

1:00 pm **How to Choose between Dialysis Methods: Hemodialysis vs. Peritoneal Dialysis?**
James Johnston, MD

1:10 pm **Individualized Approach for Hemodialysis Access Placement**
Theodore Yuo, MD

1:20 pm **Fistula First Initiative: Does it Need to be Revisited?**
James Johnston, MD

1:30 pm **Recurrent Fistula Stenosis and the Role of New Endovascular Devices**
Geetha Jayabalan, MD

1:40 pm **Endovascular Tips and Tricks for the Treatment of Central Venous Occlusion: What to do When Everything Fails?**
Ernesto Santos, MD

1:50 pm **Case Presentation and Discussion**
TBD – Vascular Fellow

2:20 pm Break and Exhibits

Vein Course

Course Director: Eric Hager, MD

2:50 pm **Thermal Axial Ablation: RFA/EVLT – Which is the Best Choice?**
Robert Tahara, MD

3:05 pm **Non-Thermal Axial Ablation: Venaseal/Sapheon/Clarivein – What is the Treatment of the Future?**
Michael Singh, MD

3:20 pm **Video of Radiofrequency Ablation**
Eric Hager, MD

3:35 pm **Is There Still a Role for Ligation and Stripping or Phlebectomy?**
Stanley Hirsch, MD

3:50 pm Break and Exhibits

4:05 pm **Foam Ablation of Varicose Veins: How, When and Why (w/video)**
Ulka Sachdev, MD

4:20 pm **Perforators: When to Treat and How Best to Do It?**
Eric Hager, MD

4:35 pm **Treatment of Ulcers Following Appropriate Treatment of Underlying Venous Disease: Coverage, Compression, and Magic Ointments**
Dawn Wang, MD

4:50 pm **The Treatment of Recalcitrant Venous Ulcers**
Donald Baril, MD

5:00 pm **Closing Remarks and Thursday Adjournment**
Donald Baril, MD

Schedule – Friday, September 11, 2015

7:00 am Continental Breakfast and Registration

7:50 am **Welcome and Opening Remarks**
Rabih Chaer, MD, MSc

Session II – Vascular Medicine

Moderators: Jeffrey Olin, DO and Ulka Sachdev, MD

8:00 am **New Oral Anticoagulants**
Peter Henke, MD

8:10 am **Clinical Clues to the Diagnosis of Vascular Disease: A Pictorial Guide to Diagnosing Vascular Disease**
Jeffrey Olin, DO

8:20 am **Oxygen and Implications for Wound Healing**
Omaida Velazquez, MD

8:30 am **Fibromuscular Dysplasia – The Rare Disease That Isn't**
Jeffrey Olin, DO

(Schedule continued on next page)

13th Annual Pittsburgh Vascular Symposium

Current Vascular Therapies: What Has Changed and What is Still the Gold Standard

Schedule – Friday, September 11, 2015 (continued)

8:40 am **Smoking Cessation: What Works and What Does Not**
Esa Davis, MD, MPH

8:50 am **Case Presentation and Discussion**
TBD – Vascular Fellow

Session III – Cerebrovascular

Moderators: Michel Makaroun, MD and Murray Shames, MD

9:10 am **Post-Radiation Carotid Stenoses Management**
Philippe Piquet, MD

9:20 am **Treatment of Cerebrovascular Trauma in the Endovascular Era**
Ali Azizzadeh, MD

9:30 am **Impact of Emerging CAS Technologies on Outcomes: How to Guide Patient Selection**
Gary Ansel, MD

9:40 am **Cognitive Outcomes after Carotid Revascularization: How to Assess and How to Guide Patient Selection for CAS vs. CEA**
Robert Friedlander, MD, MA

9:50 am **Case Presentation and Discussion**
Richard Begg, MD

10:10 am **Break and Exhibits**

Session IV – Aortic

Moderators: Michael Dake, MD and Michael Singh, MD

10:50 am **Management of Thoracic and Abdominal Aortic Trauma**
Ali Azizzadeh, MD

11:00 am **Management of Acute Type-B Aortic Dissection: What is the New Standard?**
Michael Singh, MD

11:10 am **Endovascular Management of Chronic Post-Dissection Aneurysms with Fenestrated and Branched Grafts**
Eric Verhoeven, MD, PhD

11:20 am **Tips and Tricks for Visceral Vessel Salvage in Aortic Dissection: A Discussion of Stent Grafts, Fenestrations, and Stents**
Michael Dake, MD

11:30 am **Interventions for Type-I Endoleak after EVAR**
Murray Shames, MD

11:40 am **Case Presentation and Discussion**
TBD – Vascular Fellow

Noon **Honorary Guest Lecture**
Ten-year Experience with Endovascular Repair of AAA, TAAA and Arch Aneurysms. Lessons Learned, What Is on the Horizon.
Eric Verhoeven, MD, PhD

12:20 pm **Lunch and Exhibits**

Session V – Lower Extremity

Moderators: Rabih Chaer, MD, MSc and Gary Ansel, MD

1:40 pm **Femoropopliteal Interventions: Covered vs. Bare Metal Stents – Is it Worth the Cost?**
Darren Schneider, MD

1:50 pm **Femoropopliteal Interventions: Role of Drug Eluting Stents – Do They Really Make a Difference and How Do They Compare to Recent Bare Metal Stent Data?**
Luke Marone, MD

2:00 pm **In-stent Restenosis: What is the Best Treatment Strategy?**
Gary Ansel, MD

2:10 pm **Duplex-Guided Intrainguinal Arterial Balloon Angioplasty and Stenting in Renal Failure Patients**
Enrico Ascher, MD

2:20 pm **Invasive Interventions May Become the Way of the Past: A Discussion on the Role of Stem Cell Therapy**
Omaida Velazquez, MD

2:30 pm **Case Presentation and Discussion**
Matthew Becker, MD, FACC, FSCAI, FSVM

13th Annual Pittsburgh Vascular Symposium

Current Vascular Therapies: What Has Changed and What is Still the Gold Standard

Schedule – Friday, September 11, 2015 (continued)

2:50 pm **Honorary Guest Lecture**
The Vascular Specialist. A Renaissance Man.
Michael Dake, MD

3:10 pm Break and Exhibits

Session VI – Venous

Moderators: Enrico Ascher, MD and Peter Henke, MD

3:40 pm **Venous and Arterial Thoracic Outlet Syndrome:
Surgical Approaches and Outcomes**
Darren Schneider, MD

3:50 pm **Lessons Learned from 1000 Consecutive Iliac Vein
Stenting Cases in Patients with Severe Venous Stasis**
Enrico Ascher, MD

4:00 pm **The Acute and Chronic Physiologic Effects of
Sub-Massive PE: Is There a Role for Thrombolysis?**
Patricia George, MD

4:10 pm **Is There a Role for Iliocaval Open Reconstruction?**
Peter Henke, MD

4:20 pm **New Interventional Techniques for Hemorrhoid and
Pelvic Congestion Syndrome**
Jean-Michel Bartoli, MD

4:30 pm **Case Presentation and Discussion**
TBD – Vascular Resident

4:50 pm **Closing Remarks and Friday Adjournment**
Rabih Chaer, MD, MSc

Schedule – Saturday, September 12, 2015

RPVI Review Course

Course Director: Steven Leers, MD, RVT

7:00 am Continental Breakfast

8:00 am **Welcome and Opening Remarks**
Steven Leers, MD, RVT

8:10 am **Ultrasound Physics**
Frederick Kremkau, PhD

8:40 am **Arterial/Venous Waveform Interpretation**
Tom Reifsnyder, MD

9:00 am **Physiologic and Arterial Case Studies**
Amy Steinmetz, RDMS, RVT

9:20 am **Interpretation of Carotid Duplex**
Steven Leers, MD, RVT

9:40 am **Carotid Case Studies**
Amy Steinmetz, RDMS, RVT

10:00 am Coffee Break

10:20 am **Interpretation of Venous Testing/Reflux Studies**
Tom Reifsnyder, MD

10:50 am **Venous Case Studies**
Natalie Marks, MD, RVT, RPVI

11:10 am **Visceral Testing: Interpretation/Case Studies**
Murray Shames, MD

11:25 am **Intraoperative Ultrasound**
Natalie Marks, MD, RVT, RPVI

11:40 am **Practice Test**
Faculty

Noon **Closing Remarks and Symposium Adjournment**
Rabih Chaer, MD, MSc and Michel Makaroun, MD

13th Annual Pittsburgh Vascular Symposium: Course Directors and Faculty

Course Director

Rabih Chaer, MD, MSc

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Division of Vascular Surgery

Associate Course Directors

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Fellowship Programs
Assistant Professor of Surgery
Division of Vascular Surgery

Eric S. Hager, MD

Assistant Professor of Surgery
Division of Vascular Surgery

Steven A. Leers, MD, RVT

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

Guest Faculty

Gary Ansel, MD

Director, Center for Critical Limb Care,
Riverside Methodist Hospital
Assistant Clinical Professor of Medicine
Department of Internal Medicine
University of Toledo Medical Center
Columbus, OH

Enrico Ascher, MD

Founder & Director, Vascular Institute
of New York
Chief of Vascular Surgery, Lutheran
Medical Center
Brooklyn, NY

Ali Azizzadeh, MD

Professor and Chief, Division of Vascular
and Endovascular Surgery
Program Director in Vascular Surgery
Department of Cardiothoracic and
Vascular Surgery
The University of Texas Medical
School at Houston
Memorial Hermann Heart and
Vascular Institute
Texas Medical Center
Houston, TX

Jean-Michel Bartoli, MD

Chief, Radiology and Medical Imaging
Hôpital de la Timone
Marseille, France

Michael D. Dake, MD

Thelma and Henry Doelger Professor (III)
Department of Cardiothoracic Surgery
Stanford University School of Medicine
Stanford, CA

Peter K. Henke, MD

Associate Chair of Research
Leland Ira Doan Professor of Vascular Surgery
University of Michigan
Ann Arbor, MI

Frederick W. Kremkau, PhD

Professor of Radiologic Sciences
Director, Program for Medical Ultrasound
Center for Applied Learning
Wake Forest University School of Medicine
Winston-Salem, NC

Natalie Marks, MD, RVT, RPVI

Vascular Institute of New York
Brooklyn, NY

Jeffrey W. Olin, DO

Professor of Medicine (Cardiology)
Director, Vascular Medicine
Zena and Michael A. Wiener
Cardiovascular Institute &
Marie-Josée and Henry R. Kravis
Center for Cardiovascular Health
Icahn School of Medicine at Mount Sinai
New York, NY

Philippe Piquet, MD

Chief, Vascular Surgery
Hôpital de la Timone
Marseille, France

Tom Reifsnyder, MD

Chief, Division of Vascular Surgery
Assistant Professor of Surgery
Johns Hopkins Bayview Medical Center
Baltimore, MD

Darren B. Schneider, MD

Associate Professor of Surgery
Weill Cornell Medical College
Chief, Division of Vascular &
Endovascular Surgery
New York-Presbyterian/Weill Cornell
Medical Center
New York, NY

Murray L. Shames, MD

Professor of Surgery & Radiology
University of South Florida
Division of Vascular & Endovascular Surgery
Tampa, FL

13th Annual Pittsburgh Vascular Symposium: Course Directors and Faculty (continued)

Guest Faculty (continued)

Omaida C. Velazquez, MD

Executive Dean for Research, Research
Education and Innovative Medicine
Professor of Surgery
Chief, Division of Vascular and
Endovascular Surgery
David Kimmelman Endowed Chair
in Vascular Surgery
The DeWitt Daughtry Family
Department of Surgery
The University of Miami Miller School
of Medicine
Miami, FL

Eric Verhoeven, MD, PhD

Chief, Department of Vascular
and Endovascular Surgery
Klinikum Nuernberg
Paracelsus Medical University Nuernberg
Nuernberg, Germany

*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 proprietary entity producing, marketing,
re-selling, or distributing health care goods or services, used on,
or consumed by, patients.*

Local Faculty

Matthew C. Becker, MD, FACC, FSCAI, FSVM

Saint Vincent Heart and Vascular Center
Division of Cardiology
Erie, PA

Richard Begg, MD

Heritage Valley Health System
Beaver, PA

Esa Davis, MD, MPH

Assistant Professor
Department of Medicine and Clinical &
Translational Science Institute
Center for Research on Health Care,
University of Pittsburgh
Director, UPMC Inpatient Tobacco
Treatment Service (UPMC Montefiore/
UPMC Presbyterian)

Robert Friedlander, MD, MA

Chairman, Department of
Neurological Surgery
Walter E. Dandy Professor of
Neurosurgery and Neurobiology

Patricia George, MD

Assistant Professor of Medicine
Pulmonary, Allergy and Critical Care Medicine

Stanley A. Hirsch, MD

Pittsburgh, PA

Geetha Jeyabalan, MD

Assistant Professor of Surgery
Division of Vascular Surgery

James R. Johnston, MD

Professor of Medicine
Director, Renal Fellowship Program
Clinical Director, Renal-Electrolyte Division
Director, Academy of Master Educators

Michel S. Makaroun, MD

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

Luke Marone, MD

Associate Professor of Surgery
Division of Vascular Surgery

Ulka Sachdev, MD

Assistant Professor of Surgery
Division of Vascular Surgery

Ernesto Santos, MD

Division of Interventional Radiology

Michael Singh, MD

Associate Professor of Surgery
Division of Vascular Surgery

Amy L. Steinmetz, RDMS, RVT

Division of Vascular Surgery

Robert Tahara, MD

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

Dawn Wang, MD

Assistant Professor of Plastic Surgery
Co-Director, UPMC Center for Nerve Disorder
Department of Plastic Surgery

Theodore Yuo, MD

Assistant Professor of Surgery
Division of Vascular Surgery

13th Annual Pittsburgh Vascular Symposium: Registration Information

Pre-Register – All pre-registrations are due by **September 6, 2015**. 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://ccehs.upmc.com>. Once you are there, click on Upcoming Events, scroll down to the event link for *Sept. 10, 2015 – 13th Annual Pittsburgh Vascular Symposium* and proceed with registration as appropriate.

After registering, an electronic confirmation will be sent to the email address you provided us when you registered.

Paper Registrations by Fax or Mail – Please contact Mark Byrne at (412) 802-3031 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.

On-site Registrations – As of **September 7, 2015**, all registrations for this course are accepted only as on-site registrations.

A confirmation letter will be faxed, mailed, or emailed if registration is completed through the mail, fax, or email by the registration deadline.

If you register online, you will receive an immediate email confirmation message. Please note: Registration is not complete until you receive this confirmation. If you do not receive this letter 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 U.S. mail, email or fax. Tuition for cancellations postmarked or date stamped on or before **September 6, 2015** will be completely refunded. After **September 6, 2015** a \$35 administrative fee will be assessed. No refunds will be made after **September 9, 2015**.

Cancellation requests can be made to:

Mark Byrne
UPMC Heart and Vascular Institute
Division of Vascular Surgery
UPMC Presbyterian, Suite A-1017
200 Lothrop Street
Pittsburgh, PA 15213-2582
Phone: (412) 802-3031
Fax: (412) 291-1669
Email: byrneme@upmc.edu

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)

Physician Fee: \$150
Residents and Fellows: \$50
Nurses, PAs and other health care professionals: \$75

Registration Fees (On-site)

Physician Fee: \$175
Residents and Fellows: \$50
Nurses, PAs and other health care professionals: \$100

Registration fee includes:

- Continuing education credit
- Registration and course materials
- Continental breakfast, refreshments and lunch

For additional information, contact:

Mark Byrne
Co-Coordinator
13th Annual Pittsburgh Vascular Symposium
Phone: (412) 802-3031
Fax: (412) 291-1669
Email: byrneme@upmc.edu

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The UPMC Center for Continuing Education in the Health Sciences invites you to visit our web location. 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.

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