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

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
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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 Jeyabalan, 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
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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

12:00 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 Infrainguinal 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

(Schedule continued on next page)
### Schedule – Friday, September 11, 2015 (continued)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>2:50 pm</td>
<td><strong>Honorary Guest Lecture</strong></td>
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<td>The Vascular Specialist. A Renaissance Man.</td>
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<td><em>Michael Dake, MD</em></td>
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<td>3:10 pm</td>
<td>Break and Exhibits</td>
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#### Session VI – Venous

**Moderators: Enrico Ascher, MD and Peter Henke, MD**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>3:40 pm</td>
<td>Venous and Arterial Thoracic Outlet Syndrome: Surgical Approaches and Outcomes</td>
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<td><em>Darren Schneider, MD</em></td>
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<td>3:50 pm</td>
<td>Lessons Learned from 1000 Consecutive Iliac Vein Stenting Cases in Patients with Severe Venous Stasis</td>
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<td><em>Enrico Ascher, MD</em></td>
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<td>4:00 pm</td>
<td>The Acute and Chronic Physiologic Effects of Sub-Massive PE: Is There a Role for Thrombolysis?</td>
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<td><em>Patricia George, MD</em></td>
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<td>4:10 pm</td>
<td>Is There a Role for Iliocaval Open Reconstruction?</td>
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<td><em>Peter Henke, MD</em></td>
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<td>4:20 pm</td>
<td>New Interventional Techniques for Hemorrhoid and Pelvic Congestion Syndrome</td>
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<td><em>Jean-Michel Bartoli, MD</em></td>
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<td>4:30 pm</td>
<td>Case Presentation and Discussion</td>
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<td><em>TBD – Vascular Resident</em></td>
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<td>4:50 pm</td>
<td>Closing Remarks and Friday Adjournment</td>
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<td><em>Rabih Chaer, MD, MSc</em></td>
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### Schedule – Saturday, September 12, 2015

#### RPVI Review Course

**Course Director: Steven Leers, MD, RVT**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 am</td>
<td>Continental Breakfast</td>
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<tr>
<td>8:00 am</td>
<td>Welcome and Opening Remarks</td>
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<td><em>Steven Leers, MD, RVT</em></td>
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<tr>
<td>8:10 am</td>
<td>Ultrasound Physics</td>
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<td><em>Frederick Kremkau, PhD</em></td>
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<td>8:40 am</td>
<td>Arterial/Venous Waveform Interpretation</td>
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<td><em>Tom Reifsnyder, MD</em></td>
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<tr>
<td>9:00 am</td>
<td>Physiologic and Arterial Case Studies</td>
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<td><em>Amy Steinmetz, RDMS, RVT</em></td>
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<tr>
<td>9:20 am</td>
<td>Interpretation of Carotid Duplex</td>
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<td><em>Steven Leers, MD, RVT</em></td>
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<tr>
<td>9:40 am</td>
<td>Carotid Case Studies</td>
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<td><em>Amy Steinmetz, RDMS, RVT</em></td>
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<tr>
<td>10:00 am</td>
<td>Coffee Break</td>
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<tr>
<td>10:20 am</td>
<td>Interpretation of Venous Testing/Reflux Studies</td>
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<td><em>Tom Reifsnyder, MD</em></td>
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<tr>
<td>10:50 am</td>
<td>Venous Case Studies</td>
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<td><em>Natalie Marks, MD, RVT, RPVI</em></td>
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<tr>
<td>11:10 am</td>
<td>Visceral Testing: Interpretation/Case Studies</td>
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<td><em>Murray Shames, MD</em></td>
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<td>11:25 am</td>
<td>Intraoperative Ultrasound</td>
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<td><em>Natalie Marks, MD, RVT, RPVI</em></td>
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<tr>
<td>11:40 am</td>
<td>Practice Test</td>
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<td><em>Faculty</em></td>
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<tr>
<td>Noon</td>
<td>Closing Remarks and Symposium Adjournment</td>
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<td><em>Rabih Chaer, MD, MSc and Michel Makaroun, MD</em></td>
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13th Annual Pittsburgh Vascular Symposium: Course Directors and Faculty

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

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

(Guest Faculty listing continued on next page)
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

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 Jeyabalalan, 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

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.
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: byrne@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: byrne@upmc.edu

Visit the UPMC Center for Continuing Education in the Health Sciences Web Site
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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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