15th Annual Pittsburgh Vascular Symposium

19th Surgical & Radiological Endovascular Symposium (SRES)

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

COURSE CO-DIRECTORS

Jean-Michel Bartoli, MD
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Marseille, France

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Professor and Chair
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Medical Director, UPMC Vascular Laboratories
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May 24-26, 2018
Fairmont Pittsburgh Downtown
Pittsburgh, Pennsylvania
OVERVIEW

This 2½ day joint international CME conference will include discussion, case presentations, and care demonstrations. Presenters from academic and clinical settings will cover such topics as extremity arterial diseases, aortic aneurysms, thoracic aortic diseases and dissection, carotid artery stenosis, varicose veins, and vascular ultrasound. A multidisciplinary panel of national and international speakers from vascular surgery, vascular medicine, cardiology, interventional radiology, and nephrology will provide a state of the art update on the treatment of vascular disease and discuss new innovations in the field. Questions and answer sessions, panel discussions, and a dedicated vascular ultrasound course will also be incorporated.

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 CREDITS

This activity has been approved for AMA PRA Category 1 Credit™.
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 INSITUTE 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.

JOINT MEETING
15th Annual Pittsburgh Vascular Symposium
19th Surgical & Radiological Endovascular Symposium (SRES)

SCIENTIFIC PROGRAM AGENDA: THURSDAY, MAY 24, 2018

7:00 am Continental Breakfast and Registration
7:50 am Welcome and Opening Remarks
Michel S. Makaroun, MD

Scientific Session I — Carotid / Cerebrovascular
Moderators: Barry T. Katzen, MD, Edith Tzeng, MD, Jean-Michel Bartoli, MD, and Philippe Piquet, MD

8:00 am Neurovascular Imaging: CTA, MRA or Duplex — All for one, one for all
Charles Arteaga

8:08 am Update on the CREST-2 Trial: Will best medical therapy replace interventions in asymptomatic disease?
Barry T. Katzen, MD

8:16 am TCAR: A better approach to CAS or simply a better mouse trap to exclude non-surgeons?
Rabih A. Chaer, MD, MSc

8:24 am Mechanical thrombectomy for stroke management: How far can we go?
Wagih Ben Hassen

8:32 am Can we modulate hypertension through the carotid bulb?
Kim J. Hodgson, MD

8:40 am Active catheters: What do they add?
Raphaël Blanc

8:48 am Discussion

9:00 am Cerebrovascular Case Presentation
French Case
Scientific Session II — Abdominal Aortic

Moderators: R. Clement Darling III, MD, Darren Schneider, MD, and Laurent Chiche

9:05 am  U.S. Fellow Analysis
Elizabeth Genovese, MD

9:12 am  French Fellow Analysis
Cédric Foussier

9:19 am  Discussion and Voting by Moderators and Audience

9:30 am  Break and Exhibits

10:00 am  Digital simulation of aortic stent-grafts: Towards full computer assisted planning
Jean-Noël Albertini

10:08 am  How is EVAR better than open repair for aortic ruptures despite 4 negative randomized trials?
R. Clement Darling III, MD

10:16 am  Robotic surgery for the abdominal aorta: Young surgeons should pay attention
Fabien Thaveau

10:24 am  Unusual surgical procedures for complex aortic lesions
Laurent Chiche

10:32 am  Internal Iliac artery preservation during EVAR: A welcome reality for an active lifestyle
Darren Schneider, MD

10:40 am  Laser in situ stent graft fenestration during complex EVAR
Hicham Kobeiter

10:48 am  Discussion

11:00 am  Aortic Case Presentation
U.S. Case

11:05 am  French Fellow Analysis
Thibault Couture

11:12 am  U.S. Fellow Analysis
Gregory Salzler, MD

11:19 am  Discussion and Voting by Moderators and Audience

Scientific Session III — Venous Thromboembolism

Moderators: Rabih A. Chaer, MD, MSc, Daniel Sze, MD, PhD, and Mariangela De Masi

11:35 am  Eye Opener Quiz — Fake News
Jean-Michel Bartoli, MD
Michael D. Dake, MD
Michel S. Makaroun, MD
Philippe Piquet, MD

12:30 pm  News from Industry

1:30 pm  Pre-operative imaging for acute and chronic DVT
Faculty — TBD

1:38 pm  Venous stents: When to use them, techniques, and how durable are they?
Michael J. Singh, MD, FACS, RPVI

1:46 pm  Are the results of the ATTRACT trial attractive and how will they change our approach to acute DVT?
Rabih A. Chaer, MD, MSc

1:54 pm  Venous interventions we do now that we didn’t do 20 years ago
Daniel Sze, MD, PhD

2:02 pm  Catheter-directed thrombolysis for pulmonary embolism
Efthymios Avgerinos, MD

2:10 pm  Contemporary management of arteriovenous malformations
Denis Herbreteau

2:18 pm  Discussion

2:30 pm  Venous Case Presentation
U.S. Case

2:35 pm  French Fellow Analysis
Aurélien Hostalrich

2:42 pm  U.S. Fellow Analysis
Laurel Hastings, MD

2:49 pm  Discussion and Voting by Moderators and Audience

3:00 pm  Break and Exhibits

May 24, 2018 — Continued
Scientific Session IV - Visceral Disease / Miscellaneous

Moderators: Michael J. Singh, MD, FACS, RPVI, Melissa L. Kirkwood, MD, and Hélène Vernhet-Kovacsik

3:30 pm Complex renal artery disease: My endovascular arsenal
Louis Boyer

3:38 pm Non-atheromatous renal artery stenosis:
Evaluation, treatment and follow up
Hélène Vernhet-Kovacsik

3:46 pm Mesenteric ischemia: To stent or to bypass?
Malachi Sheahan III, MD

3:54 pm Endovascular management of visceral aneurysms
Romaric Loffroy

4:02 pm Risk management: The French paradox
Jean-Paul Beregi

4:10 pm Radiation safety: Who should care and how to improve it?
Melissa L. Kirkwood, MD

4:18 pm Discussion

4:30 pm Visceral Case Presentation
French Case

4:35 pm U.S. Fellow Analysis
Sung Yang, MD

4:42 pm French Fellow Analysis
Iskander Bouassida

4:49 pm Discussion and Voting by Moderators and Audience

5:00 pm Thursday Adjournment and Closing Remarks
Course Co-Cirectors: Drs. Bartoli, Dake, Makaroun, and Piquet

7:00 pm Reception
The Andy Warhol Museum
117 Sandusky Street (North Shore)
Pittsburgh, PA 15212

SCIENTIFIC PROGRAM AGENDA:
FRIDAY, MAY 25, 2018

7:00 am Continental Breakfast and Registration

7:50 am Welcome and Opening Remarks
Michel S. Makaroun, MD

Scientific Session V — Peripheral Vascular Disease

Moderators: Kim J. Hodgson, MD, Anton Sidawy, MD, and Xavier Chaufour

8:00 am Chronic limb ischemia: The effect of diabetes
Anton Sidawy, MD

8:08 am Developing a true CLI program: What does it involve?
Barry T. Katzen, MD

8:16 am How to prevent popliteal stenting failures
Mariangela De Masi

8:24 am Drug elution: A game changer or not?
Kim J. Hodgson, MD

8:32 am Arterial stenting for PAD: When do I say NO!
Philippe Cluzel

8:40 am Aortoiliac disease: What is left for open reconstructions?
Mohammad S. Eslami, MD

8:48 am Discussion

9:00 am PVD Case Presentation
French Case

9:05 am U.S. Fellow Analysis
Emilia Krol, MD

9:12 am French Fellow Analysis
Edouard Purenne

9:19 am Discussion and Voting by Moderators and Audience

9:30 am Break and Exhibits
### Scientific Session VI — Thoracoabdominal Aorta

**Moderators:** Michael D. Dake, MD, Michel S. Makaroun, MD, and Dominique Grisoli

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
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</thead>
<tbody>
<tr>
<td>10:00 am</td>
<td>Management of aortic dissection: The team and logistics</td>
<td>Elsa Faure</td>
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<tr>
<td>10:08 am</td>
<td>Type B dissection: Is medical Rx still the best option?</td>
<td>Hervé Rousseau</td>
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<tr>
<td>10:16 am</td>
<td>Preoperative evaluation of spinal cord perfusion</td>
<td>Pierre-Antoine Barral</td>
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<tr>
<td>10:24 am</td>
<td>Management of type A dissection: Setting the stage for future reinterventions</td>
<td>Dominique Grisoli</td>
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<td>10:32 am</td>
<td>Management of the false lumen after TEVAR</td>
<td>Michael D. Dake, MD</td>
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<td>10:40 am</td>
<td>Aortic remodeling after TEVAR for degenerative disease</td>
<td>Philippe Piquet, MD</td>
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<td>10:48 am</td>
<td>Discussion</td>
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<td>11:00 am</td>
<td>Dissection Case Presentation</td>
<td>U.S. Case (from Stanford University)</td>
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<td>11:05 am</td>
<td>French Fellow Analysis</td>
<td>Auréline Boitet</td>
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<td>11:12 am</td>
<td>U.S. Fellow Analysis</td>
<td>Nathan Liang, MD</td>
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<tr>
<td>11:19 am</td>
<td>Discussion and Voting by Moderators and Audience</td>
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<tr>
<td>11:35 am</td>
<td>Special Lecture: The Fellowship of Vascular Specialists</td>
<td>Michael D. Dake, MD</td>
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<td><strong>Thelma and Henry Doelger Professor (III)</strong></td>
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<td>Department of Cardiothoracic Surgery</td>
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<td>Stanford University School of Medicine</td>
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<td>Noon</td>
<td>News from Industry</td>
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<td>12:30 pm</td>
<td>Lunch and Exhibits</td>
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### Scientific Session VII — More Aortic Topics

**Moderators:** Darren Schneider, MD, Hervé Rousseau, and Jean M. Panneton, MD, FRCSC, FACS

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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>1:30 pm</td>
<td>Multimodal fusion: Immediate and long term benefits for TEVAR and FEVAR</td>
<td>Alexis Jacquier</td>
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<tr>
<td>1:38 pm</td>
<td>Ascending aortic surgery under videoscopy</td>
<td>Marc Coggia</td>
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<td>1:46 pm</td>
<td>Hybrid treatment for aortic arch lesions and indications for replacement of the ascending aorta</td>
<td>Marine Gaudry</td>
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<td>1:54 pm</td>
<td>Management of distal aortic arch disease</td>
<td>Xavier Chaufour</td>
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<td>2:02 pm</td>
<td>Value and technique of endoanchors during TEVAR</td>
<td>Jean M. Panneton, MD, FRCSC, FACS</td>
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<td>2:10 pm</td>
<td>What is the best approach for descending thoracic aorta degenerative aneurysm?</td>
<td>Jean Picquet</td>
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<td>2:18 pm</td>
<td>Discussion</td>
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<td>2:30 pm</td>
<td>Aortic Case Presentation</td>
<td>French Case</td>
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<td>2:35 pm</td>
<td>U.S. Fellow Analysis</td>
<td>Andre Ramdon, MBBS</td>
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<td>2:42 pm</td>
<td>French Fellow Analysis</td>
<td>Léonore Freycon</td>
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<td>2:49 pm</td>
<td>Discussion and Voting by Moderators and Audience</td>
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<td>3:00 pm</td>
<td>Break and Exhibits</td>
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### Scientific Session VIII — Embolization

**Moderators:** Daniel Sze, MD, PhD and Romaric Loffroy

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
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<tr>
<td>3:30 pm</td>
<td>Basics of embolization</td>
<td>Daniel Sze, MD, PhD</td>
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<td>3:38 pm</td>
<td>Role of fusion in prostatic embolization</td>
<td>Farouk Tradi</td>
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<td>3:46 pm</td>
<td>Emborrhroid: Treatment of hemorrhoids with arterial embolization</td>
<td>Jean-Michel Bartoli, MD</td>
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</table>
3:54 pm  Endoleak management with embolization: Trans-arterial, trans-lumbar, and trans-caval  
Jean M. Panneton, MD, FRCSC, FACS

4:02 pm  Endovascular embolization and stent grafts for trauma  
Mohammad S. Eslami, MD

4:10 pm  Liquid embolic agents: Applications and pipeline products  
Daniel Sze, MD, PhD

4:18 pm  Discussion

4:30 pm  Embolization Case Presentation  
U.S. Case

4:35 pm  French Fellow Analysis  
Arnaud Gallon

4:42 pm  U.S. Fellow Analysis  
Dara Omer, MD

4:49 pm  Discussion and Voting by Moderators and Audience

5:00 pm  Friday Adjournment and Closing Remarks  
Course Co-Directors: Drs. Bartoli, Dake, Makaroun, and Piquet

Scientific Session IX — Venous Insufficiency / Dialysis Access

7:00 am  Welcome and Opening Remarks  
Eric S. Hager, MD  
Steven A. Leers, MD, RVT, RPVI, FSVU

8:00 am  When and how to ablate the perforators  
Eric S. Hager, MD

8:10 am  Ablation or foam for truncal insufficiency  
Raymond E. Eid, MD

8:20 am  Endovenous U.S.-guided laser therapy of venous dysplasia  
Lionel Bourgeois

8:30 am  Reappraisal of the Fistula First Initiative  
Theodore H. Yuo, MD, MSc

8:40 am  Novel grafts in dialysis access  
Efthymios Avgerinos, MD

8:50 am  Peritoneal dialysis  
Eric S. Hager, MD

9:00 am  Percutaneous arteriovenous fistula creation  
Timothy Wu, MD, FACS

9:10 am  Percutaneous techniques for AV access maintenance  
Michael C. Madigan, MD

9:20 am  Managing troublesome central venous occlusion  
Timothy Wu, MD, FACS

9:30 am  Break

Scientific Session X — Vascular Laboratory

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

10:00 am  RPVI Examination  
Steven A. Leers, MD, RVT, RPVI, FSVU

10:05 am  Basic transducer overview  
Kyle M. Markel, MD, RVT

10:20 am  Cerebrovascular diagnosis  
Heather L. Gornik, MD, RVT, RPVI

10:30 am  Interesting carotid cases  
Steven A. Leers, MD, RVT, RPVI, FSVU

10:40 am  Physiologic arterial testing  
Thomas Reifsnyder, MD, RVT

10:50 am  Arterial duplex scanning  
Heather L. Gornik, MD, RVT, RPVI

11:00 am  Arterial testing after intervention  
Thomas Reifsnyder, MD, RVT

11:10 am  Visceral scanning  
Steven A. Leers, MD, RVT, RPVI, FSVU

11:20 am  Duplex after EVAR  
Kyle M. Markel, MD, RVT

Noon  Closing Remarks and Conference Adjournment  
Course Co-Directors: Drs. Bartoli, Dake, Makaroun, and Piquet
FACULTY

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Division of Vascular Surgery

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Resident, Division of Vascular Surgery

Dara Omer, MD
Fellow, Division of Interventional Radiology

Ulka Sachdev, MD
Associate Professor of Surgery
Division of Vascular Surgery

Gregory Salzler, MD
Fellow, Division of Vascular Surgery

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Edith Tzeng, MD
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Division of Vascular Surgery

Sung Yang, MD
Fellow, Division of Vascular Surgery

Theodore H. Yuo, MD, MSc
Assistant Professor of Surgery
Division of Vascular Surgery

INVITED FACULTY — UNITED STATES

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Falk Cardiovascular Research Center
Stanford, CA

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President, The Vascular Group
Albany, NY

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New Orleans, LA

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College of Medicine
Associate Dean for Clinical Affairs, Florida International University
Herbert Wertheim College of Medicine
Founder and Medical Director, Miami Cardiac & Vascular Institute
Miami, FL

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Dallas, TX

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Norfolk, VA

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Chief & Program Director
Division of Vascular Surgery
Eastern Virginia Medical School
Norfolk, VA

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Albany, NY

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Director of Vascular Lab
Johns Hopkins Bayview Medical Center
Baltimore, MD

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Chief, Division of Vascular and Endovascular Surgery
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New York Presbyterian Hospital
New York, NY

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Program Director, Vascular Surgery Residency and Fellowship Programs
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Department of Surgery
New Orleans, LA

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Lewis B. Saltz Chair of Surgery
Professor of Surgery
George Washington University School of Medicine and Health Sciences
Washington, DC

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Stanford, CA

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Rutgers, The State University of New Jersey
Newark, NJ

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Cardiac and Vascular Surgery
CHU St. Etienne
St. Etienne, France

Charles Arteaga
Radiodiagnosis and Medical Imaging
Hôpital d’instruction des armées
Sainte-Anne
Toulon, France

Pierre-Antoine Barral
Radiology
Hôpital de la Timone
Marseille, France

Jean-Michel Bartoli, MD
Radiology and Medical Imaging
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Marseille, France

Wagih Ben Hassen
Centre Hospitalier Sainte Anne
Radiology
Paris, France

Jean-Paul Beregi
Radiology
CHU Nîmes
Nîmes, France

Raphaël Blanc
Interventional Neuroradiology
Foundation Adolphe de Rothschild
Paris, France

Auréline Boitet
Vascular Surgery
Hôpital Henri Mondor
Paris, France
REGISTRATION INFORMATION

Pre-Register — All pre-registrations are due by Thursday, May 10, 2018. 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 May 24-26, 2018 — 15th Annual Pittsburgh Vascular Symposium, and proceed with registration as appropriate.

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 10, 2018, will be completely refunded. After May 10 2018, a $35 administrative fee will be assessed. No refunds will be made after May 23, 2018.

Cancellation requests can be made to:
Mark Byrne
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 / On-Site)
Physician — MD, DO, etc.: $250 / $300
Nurses, PAs, and other health care professionals: $125 / $150
Residents and Fellows: $125 / $150*

*Residents and Fellows can apply for a fee waiver by contacting Mark Byrne at 412-802-3031 or byrneme@upmc.edu.

Registration fee includes:
• Continuing education credit
• Registration and course materials
• Continental breakfast, refreshments and lunch

For additional information, contact the Event Coordinator, Mark Byrne, at 412-802-3031 or via email at byrneme@upmc.edu.

VISIT THE UPMC CENTER FOR CONTINUING EDUCATION IN THE HEALTH SCIENCES WEBSITE

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