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
Radiology and Medical Imaging
Hôpital de la Timone
Marseille, France

Michel S. Makaroun, MD
Co-Director, UPMC Heart & Vascular Institute
Professor and Chair
Division of Vascular Surgery

Michael D. Dake, MD
Thelma and Henry Doelger Professor (III)
Department of Cardiothoracic Surgery
Stanford University School of Medicine
Falk Cardiovascular Research Center
Stanford, CA

Philippe Piquet, MD
Vascular Surgery
Hôpital de la Timone
Marseille, France

ASSOCIATE COURSE CO-DIRECTORS
Efthymios Avgerinos, MD
Associate Professor of Surgery
Division of Vascular Surgery

Eric S. Hager, MD
Assistant Professor of Surgery
Division of Vascular Surgery

Rabih A. Chaer, MD, MSc
Residency and Fellowship Program Director
Professor of Surgery
Division of Vascular Surgery

Steven A. Leers, MD, RVT, RPVI, FSVU
Medical Director, UPMC Vascular Laboratories
Associate Professor of Surgery
Division of Vascular Surgery

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

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 17.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other health care professionals are awarded 1.7 continuing education units (CEU’s) which are equal to 17.0 contact hours.
WIRELESS INTERNET CONNECTION INFORMATION
For complimentary wireless internet access during the meeting, attendees should use the Fairmont Meeting wireless network and use the access code UPMC2018 when prompted.

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.

VISIT THE UPMC CENTER FOR CONTINUING EDUCATION IN THE HEALTH SCIENCES WEBSITE
The UPMC Center for Continuing Education in the Health Sciences invites you to visit our website at https://ccehs.upmc.com. 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.

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
8:40 am    Can we modulate hypertension through the carotid bulb?
            Kim J. Hodgson, MD
8:48 am    Discussion
9:00 am    Cerebrovascular Case Presentation
            French Case
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<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>9:05 am</td>
<td>U.S. Fellow Analysis</td>
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<td>Elizabeth Genovese, MD</td>
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<td>French Fellow Analysis</td>
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<td>Cédric Foussier</td>
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<td>9:19 am</td>
<td>Discussion and Voting by Moderators and Audience</td>
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<td>9:30 am</td>
<td>Break and Exhibits</td>
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<td>9:30 am</td>
<td><strong>Scientific Session II — Abdominal Aortic</strong></td>
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<td></td>
<td>Moderators: R. Clement Darling III, MD, Darren Schneider, MD, and</td>
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<td>Laurent Chiche</td>
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<tr>
<td>10:00 am</td>
<td>Digital simulation of aortic stent-grafts: Towards full computer</td>
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<td>assisted planning</td>
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<td>Jean-Noël Albertini</td>
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<tr>
<td>10:08 am</td>
<td>How is EVAR better than open repair for aortic ruptures despite 4</td>
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<td>negative randomized trials?</td>
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<td>R. Clement Darling III, MD</td>
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<td>10:16 am</td>
<td>Robotic surgery for the abdominal aorta: Young surgeons should pay</td>
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<td>Fabien Thaveau</td>
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<tr>
<td>10:24 am</td>
<td>Unusual surgical procedures for complex aortic lesions</td>
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<td>Laurent Chiche</td>
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<tr>
<td>10:32 am</td>
<td>Internal iliac artery preservation during EVAR: A welcome reality for</td>
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<td>an active lifestyle</td>
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<td></td>
<td>Darren Schneider, MD</td>
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<tr>
<td>10:40 am</td>
<td>Laser in situ stent graft fenestration during complex EVAR</td>
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<td>Hicham Kobeiter</td>
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<td>10:48 am</td>
<td>Discussion</td>
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<td>Aortic Case Presentation</td>
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<td>U.S. Case</td>
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<td>Thibault Couture</td>
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<td>Andre Ramdon, MBBS</td>
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<td>11:19 am</td>
<td>Discussion and Voting by Moderators and Audience</td>
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<td>11:35 am</td>
<td>Eye Opener Quiz — Fake News</td>
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<td>Jean-Michel Bartoli, MD</td>
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<td>Michael D. Dake, MD</td>
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<td>Michel S. Makaroun, MD</td>
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<td>Philippe Piquet, MD</td>
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<td>Noon</td>
<td>Groundbreaking clinical trials: Endovascular repair with a new branch</td>
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<td>Presented by Michael D. Dake</td>
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<td>12:30 pm</td>
<td>Lunch and Exhibits</td>
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<td>12:30 pm</td>
<td><strong>Scientific Session III — Venous Thromboembolism</strong></td>
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<td>Moderators: Rabih A. Chaer, MD, MSc, Daniel Sze, MD, PhD, and</td>
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<td>Mariangela De Masi</td>
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<tr>
<td>1:30 pm</td>
<td>Standard anticoagulation for acute and chronic venous thromboembolism</td>
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<td>Ulka Sachdev, MD</td>
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<td>1:38 pm</td>
<td>Venous stents: When to use them, techniques, and how durable are they?</td>
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<td>Michael J. Singh, MD, FACS, RPVI</td>
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<td>1:46 pm</td>
<td>Are the results of the ATTRACT trial attractive and how will they</td>
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<td>change our approach to acute DVT?</td>
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<td>Rabih A. Chaer, MD, MSc</td>
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<td>1:54 pm</td>
<td>Venous interventions we do now that we didn’t do 20 years ago</td>
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<td>Daniel Sze, MD, PhD</td>
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<td>2:02 pm</td>
<td>Catheter interventions for acute pulmonary embolism</td>
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<td>Efthymios Avgerinos, MD</td>
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<td>2:10 pm</td>
<td>Contemporary management of arteriovenous malformations</td>
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<td>Denis Herbreteau</td>
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<td>2:18 pm</td>
<td>Discussion</td>
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<td>Venous Case Presentation</td>
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<td>French Fellow Analysis</td>
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<td>Aurélien Hostalrich</td>
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<td>U.S. Fellow Analysis</td>
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<td>Laurel Hastings, MD</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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</table>
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

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**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  Is it time to have a certification program for vascular centers and in which format would it be?
         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 H. Eslami, MD

8:48 am  Discussion

9:00 am  PVD Case Presentation
         French Case

9:05 am  U.S. Fellow Analysis
         Nathan Liang, 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

10:00 am Management of aortic dissection: The team and logistics
Elsa Faure

10:08 am Type B dissection: Is medical Rx still the best option?
Hervé Rousseau

10:16 am Preoperative evaluation of spinal cord perfusion
Pierre-Antoine Barral

10:24 am Management of type A dissection: Setting the stage for future reinterventions
Dominique Grisoli

10:32 am Management of the false lumen after TEVAR
Michael D. Dake, MD

10:40 am Aortic remodeling after TEVAR for degenerative disease
Philippe Piquet, MD

10:48 am Discussion

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

11:05 am French Fellow Analysis
Auréline Boitet

11:12 am U.S. Fellow Analysis
Emilia Krol, MD

11:19 am Discussion and Voting by Moderators and Audience

11:35 am Special Lecture: The Fellowship of Vascular Specialists
Michael D. Dake, MD
Thelma and Henry Doelger Professor (III)
Department of Cardiothoracic Surgery
Stanford University School of Medicine
Falk Cardiovascular Research Center
Stanford, CA

Scientific Session VII — More Aortic Topics

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

1:30 pm Multimodal fusion: Immediate and long term benefits for TEVAR and FEVAR
Alexis Jacquier

1:38 pm Ascending aortic surgery under videoscopy
Marc Coggia

1:46 pm Hybrid treatment for aortic arch lesions and indications for replacement of the ascending aorta
Marine Gaudry

1:54 pm Management of distal aortic arch disease
Xavier Chaufour

2:02 pm Value and technique of endoanchors during TEVAR
Jean M. Panneton, MD, FRCSC, FACS

2:10 pm What is the best approach for descending thoracic aorta degenerative aneurysm?
Jean Picquet

2:18 pm Discussion

2:30 pm Aortic Case Presentation
French Case

2:35 pm U.S. Fellow Analysis
Gregory Salzler, MD

2:42 pm French Fellow Analysis
Léonore Freycon

2:49 pm Discussion and Voting by Moderators and Audience

3:00 pm Break and Exhibits

Scientific Session VIII — Embolization

Moderators: Daniel Sze, MD, PhD and Romaric Loffroy

3:30 pm Basics of embolization
Daniel Sze, MD, PhD

3:38 pm Role of fusion in prostatic embolization
Farouk Tradi

3:46 pm Emborrhoid: Treatment of hemorrhoids with arterial embolization
Jean-Michel Bartoli, MD

Lunch and Exhibits
May 25, 2018 — Continued

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 H. 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 an Introduction to Baseball (in French)
Jean M. Panneton, MD, FRCSC, FACS

7:00 pm  Pittsburgh Pirates Baseball Game
Pittsburgh Pirates versus St. Louis Cardinals
PNC Park
115 Federal Street (North Shore)
Pittsburgh, PA 15212

SCIENTIFIC PROGRAM AGENDA — SATURDAY, MAY 26, 2018

7:00 am  Continental Breakfast and Registration

7:50am  Welcome and Opening Remarks
Eric S. Hager, MD
Steven A. Leers, MD, RVT, RPVI, FSVU

Scientific Session IX — Venous Insufficiency / Dialysis Access

Moderators: Eric S. Hager, MD and Timothy Wu, MD, FACS

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
FACULTY

LOCAL FACULTY — PITTSBURGH, PA

Georges Al-Khoury, MD
Assistant Professor of Surgery
Division of Vascular Surgery

Efthymios Avgerinos, MD
Associate Professor of Surgery
Division of Vascular Surgery

Rabih A. Chaer, MD, MSc
Residency and Fellowship Program Director
Professor of Surgery
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

Elizabeth Genovese, MD
Chief Resident, Division of Vascular Surgery

Eric S. Hager, MD
Assistant Professor of Surgery
Division of Vascular Surgery

Steven A. Leers, MD, RVT, RPVI, FSVU
Medical Director, UPMC Vascular Laboratories
Associate Professor of Surgery
Division of Vascular Surgery

Nathan Liang, MD
Resident, Division of Vascular Surgery

Michael C. Madigan, MD
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

Kyle M. Markel, MD, RVT
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

Michael J. Singh, MD, FACS, RPVI
Associate Professor of Surgery
Division of Vascular Surgery

Edith Tzeng, MD
Professor of Surgery
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

Michael D. Dake, MD
Thelma and Henry Doelger Professor (III)
Department of Cardiothoracic Surgery
Stanford University School of Medicine
Falk Cardiovascular Research Center
Stanford, CA

R. Clement Darling III, MD
President, Society for Vascular Surgery
Professor of Surgery, Albany Medical College
Chief, Division of Vascular Surgery, Albany Medical Center Hospital
Director, The Institute for Vascular Health and Disease
President, The Vascular Group
Albany, NY

Heather L. Gornik, MD, RVT, RPVI
Medical Director, Non Invasive Vascular Laboratory
Cleveland Clinic Heart and Vascular Institute
Cleveland, OH

Laurel Hastings, MD
Chief Resident, Louisiana State University Health Sciences Center
New Orleans, LA

Kim J. Hodgson, MD
Professor
Department of Surgery
Chair, Division of Vascular Surgery
Southern Illinois University
Springfield, IL
Barry T. Katzen, MD  
Clinical Professor of Radiology, University of South Florida  
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

Melissa L. Kirkwood, MD  
Associate Professor of Surgery  
Division of Vascular Surgery  
University of Texas Southwestern Medical Center  
Dallas, TX

Emilia Krol, MD  
Fellow, Eastern Virginia Medical School  
Norfolk, VA

Jean M. Panneton, MD, FRCSC, FACS  
Professor of Surgery  
Chief & Program Director  
Division of Vascular Surgery  
Eastern Virginia Medical School  
Norfolk, VA

Andre Ramdon, MBBS  
Fellow, Albany Medical College  
Albany, NY

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

Darren Schneider, MD  
Chief, Division of Vascular and Endovascular Surgery  
Weill Cornell Medicine  
New York Presbyterian Hospital  
New York, NY

Malachi Sheahan III, MD  
Professor of Surgery  
Program Director, Vascular Surgery Residency and Fellowship Programs  
LSU Health Sciences Center School of Medicine  
Department of Surgery  
New Orleans, LA

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

Daniel Sze, MD, PhD  
Professor of Radiology  
Stanford University School of Medicine  
Stanford, CA

Timothy Wu, MD, FACS  
Assistant Professor of Surgery  
Division of Vascular Surgery  
New Jersey Medical School  
Rutgers, The State University of New Jersey  
Newark, NJ

INVITED FACULTY — INTERNATIONAL

Jean-Noël Albertini  
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  
Hôpital de la Timone  
Marseille, France

Wagih Ben Hassen  
Centre Hospitalier Sainte Anne  
Radiology  
Paris, France

Jean-Paul Beregi  
Radiology  
CHU Nîmes  
Nîmes, France

Auréline Boitet  
Vascular Surgery  
Hôpital Henri Mondor  
Paris, France

Iskander Bouassida  
Radiology  
CHU Nîmes  
Nîmes, France
Lionel Bourgeois  
Vascular Surgery  
Hôpital de la Timone  
Marseille, France  

Louis Boyer  
Radiology and Medical Imaging  
CHU Clermont-Ferrand  
Clermont-Ferrand, France  

Xavier Chaufour  
Vascular Surgery  
CHU Rangueil  
Toulouse, France  

Laurent Chiche  
Vascular Surgery  
Hôpital Pitié Salpêtrière  
Paris, France  

Philippe Cluzel  
Cardiovascular and Radiology Imaging  
Hôpital Pitié-Salpêtrière  
Paris, France  

Marc Coggia  
Vascular Surgery  
Hôpital Ambroise Paré  
Paris, France  

Thibault Couture  
Vascular Surgery  
Hôpital Pitié Salpêtre  
Paris, France  

Mariangela De Masi  
Vascular Surgery  
Hôpital de la Timone  
Marseille, France  

Elsa Faure  
Cardiac and Vascular Surgery  
Hôpital Georges Pompidou  
Paris, France  

Cédric Foussier  
Radiology  
CHU Reims  
Reim, France  

Léonore Freycon  
Vascular Surgery  
CHU Montpellier  
Montpellier, France  

Arnaud Gallon  
Radiology  
CHU Clermont-Ferrand  
Clermont-Ferrand, France  

Marine Gaudry  
Vascular Surgery  
Hôpital de la Timone  
Marseille, France  

Dominique Grisoli  
Cardiothoracic surgery  
Hôpital de la Timone  
Marseille, France  

Denis Herbreteau  
Diagnostic Neuroradiology and Interventional  
CHRUTours  
Tours, France  

Aurélien Hostalrich  
Vascular Surgery  
CHU Rangueil  
Toulouse, France  

Alexis Jacquier  
Radiology and Medical Imaging  
CHU Timone  
Marseille, France  

Hicham Kobeiter  
Radiology and Medical Imaging  
Henri Mondor Hospital  
Paris, France  

Romaric Loffroy  
Radiology and Diagnostic and Therapeutic Medical Imaging  
CHU Dijon  
Dijon, France  

Jean Picquet  
Vascular Surgery  
CHU Angers  
Angers, France  

Philippe Piquet, MD  
Vascular Surgery  
Hôpital de la Timone  
Marseille, France  

Edouard Purenne  
Radiology  
Hôpital Kremlin-Bicêtre  
Paris, France
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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