

— JOINT MEETING —

15th Annual Pittsburgh Vascular Symposium

19th Surgical & Radiological Endovascular Symposium (SRES)

UPMC LIFE CHANGING MEDICINE



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

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

Michel S. Makaroun, MD

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

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

Rabih A. Chaer, MD, MSc

Residency and Fellowship Program Director
Professor of Surgery
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

May 24-26, 2018

Fairmont Pittsburgh Downtown

Pittsburgh, Pennsylvania

ORGANIZING COMMITTEE

Efthymios Avgerinos, MD (Pittsburgh, PA, USA)
Jean-Michel Bartoli, MD (Marseille, France)
Rabih A. Chaer, MD, MSc (Pittsburgh, PA, USA)
Michael D. Dake, MD (Stanford, CA, USA)
Eric S. Hager, MD (Pittsburgh, PA, USA)
Steven A. Leers, MD, RVT, RPVI, FSVU (Pittsburgh, PA, USA)
Michel S. Makaroun, MD (Pittsburgh, PA, USA)
Philippe Piquet, MD (Marseille, France)

LOCAL ORGANIZING COMMITTEE

Georges Al-Khoury, MD (Pittsburgh, PA, USA)
Mohammad H. Eslami, MD (Pittsburgh, PA, USA)
Ulka Sachdev, MD (Pittsburgh, PA, USA)
Michael J. Singh, MD, FACS, RPVI (Pittsburgh, PA, USA)
Edith Tzeng, MD (Pittsburgh, PA, USA)

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Farouk Tradi (Marseille, France)
Sung Yang, MD (Pittsburgh, PA, USA)

JOINT GENERAL & ADMINISTRATIVE ORGANIZATION

UPMC Heart & Vascular Institute, Division of Vascular Surgery

Pittsburgh, PA, USA

MCO Congrès — Villa Gaby

Marseille, France

CONTACTS

Mark Byrne: byrneme@upmc.edu
Julie Faber: julie.faber@mcocongres.com
Julia Schroeder: julia.schroeder@mcocongres.com

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 INSTITUTE WEBSITE

The UPMC Heart and Vascular Institute invites you to visit our website at **UPMC.com/HVI**. Learn more about us and receive information about the conditions we treat, treatment options, specialty programs, services, research and education, our experts, patient stories, and locations.

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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

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

8:40 am **I am smarter after my CEA — Does carotid stenosis
affect cognition?**
Melissa L. Kirkwood, MD

8:48 am **Discussion**

9:00 am **Cerebrovascular Case Presentation**
French Case

- 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**

Scientific Session II — Abdominal Aortic

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

- 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**
Andre Ramdon, MBBS
- 11:19 am **Discussion and Voting by Moderators and Audience**

- 11:35 am **Eye Opener Quiz — Fake News**
Jean-Michel Bartoli, MD
Michael D. Dake, MD
Michel S. Makaroun, MD
Philippe Piquet, MD
- Noon **Groundbreaking clinical trials: Endovascular repair with a new branch device (No CME credit awarded)**
Presented by Michael D. Dake, MD
- 12:30 pm **Lunch and Exhibits**

Scientific Session III — Venous Thromboembolism

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

- 1:30 pm **Standard anticoagulation for acute and chronic venous thromboembolism**
Ulka Sachdev, MD
- 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 interventions for acute 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**

Scientific Session IV – Visceral Disease / Miscellaneous

Moderators: Michael J. Singh, MD, FACS, RPVI, Melissa L. Kirkwood, MD, and H  l  ne 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**
H  l  ne 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-Directors: 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 Choufour

- 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

Noon **Groundbreaking clinical trials: EndoAnchor implants in EVAR – Mechanisms of action and clinical impact: New insights from the ANCHOR Registry (No CME credit awarded)**
Presented by Jean M. Panneton, MD, FRCSC, FACS

12:30 pm **Lunch and Exhibits**

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 videoscapy**
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 **Emorrhoid: Treatment of hemorrhoids with arterial embolization**
Jean-Michel Bartoli, MD

- 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 Reifsnnyder, MD, RVT
- 10:50 am **Arterial duplex scanning**
Heather L. Gornik, MD, RVT, RPVI
- 11:00 am **Arterial testing after intervention**
Thomas Reifsnnyder, 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 Reifsnnyder, 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 Salpêtrière
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
Reims, 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
CHRU Tours
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

Romarc 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

Hervé Rousseau

Radiology and Medical Imaging
Rangueil Hospital
Toulouse, France

Fabien Thaveau

Vascular Surgery
CHRU New Civil Hospital
Strasbourg, France

Farouk Tradi

Radiology
Hôpital de la Timone
Marseille, France

Hélène Vernhet-Kovacsik

Radiology and Medical Imaging
Hospital Arnaud de Villeneuve
Montpellier, 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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ACKNOWLEDGEMENT OF COMMERCIAL SUPPORT

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for their generous support:*

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