



# VASCULAR SURGERY



**Alan Lumsden, MD**  
Chairman, Cardiovascular Surgery  
Vascular Surgery

## EXPERTISE

- Arteriovenous malformations (AVM)
- Aortic disease
- Fenestrated branch aortic endografts
- Visceral and renal arterial disease
- Carotid procedures
- Peripheral vascular disease surgery
- Complex venous reconstruction
- Pulmonary embolism DVT
- Varicose vein treatment

## MEDICAL SCHOOL

- University of Edinburgh College of Medicine, Edinburgh, Scotland

## RESIDENCY

- General Surgery, Emory University Hospital, Atlanta, Georgia

## FELLOWSHIP

- Vascular Surgery, Emory University Hospital, Atlanta, Georgia



**Charudatta Bavare, MD, MPH, FACS**  
Vascular Surgery

## EXPERTISE

- Abdominal and thoracic aortic aneurysms (FEVAR, EVAR, TEVAR, open)
- Angiogram, stenting and open bypass
- Carotid disease (TCAR and carotid endarterectomy)
- Dialysis access
- Peripheral arterial disease
- Nutcracker syndrome
- Robotic vascular surgery
- Thoracic outlet syndrome



**Marvin D. Atkins Jr., MD, FACS**  
Cardiothoracic Surgery, Vascular Surgery

## EXPERTISE

- Open and endovascular thoracic, thoracoabdominal and abdominal aortic surgery
- Transcatheter aortic (TAVR) and mitral valve repair (TMVR)
- Aortic root surgery
- Cardiac tumors
- Coronary artery bypass graft surgery, including all arterial revascularization, off-pump bypass surgery
- Surgery for atrial fibrillation
- Cerebrovascular disease — open and endovascular repair

## MEDICAL SCHOOL

- The University of Texas Health Science Center at Houston

## RESIDENCY

- General Surgery, Baylor Scott and White, Texas A&M University College of Medicine, Temple, Texas

## FELLOWSHIPS

- Vascular Surgery, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts
- Cardiothoracic Surgery, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania



**Linda Le, MD**  
Vascular Surgery

## EXPERTISE

- Vascular and endovascular surgery
- Dialysis access
- Limb salvage
- Cerebrovascular disease
- Lower extremity peripheral disease
- Venous disease
- Pulmonary embolism

## MEDICAL SCHOOL

- Seth GS Medical College, Mumbai, India

## RESIDENCY

- General Surgery, Houston Methodist Hospital, Department of Surgery, Houston, Texas

## FELLOWSHIP

- Vascular Surgery, Houston Methodist Hospital, Houston, Texas

## MEDICAL SCHOOL

- Louisiana State University School of Medicine, New Orleans, Louisiana

## RESIDENCY

- General Surgery, The University of Texas Health Science Center at Houston

## FELLOWSHIP

- Vascular Surgery, Ochsner Clinic, New Orleans, Louisiana

## VASCULAR SURGERY (CONT.)



**Eric Peden, MD**  
Chief, Vascular Surgery  
Vascular Surgery

### EXPERTISE

- Vascular and endovascular surgery
- Complex dialysis access
- Peripheral vascular disease
- Limb salvage
- Venous insufficiency
- Mesenteric disease
- Aortic disease

### MEDICAL SCHOOL

- The University of Texas Southwestern Medical School, Dallas, Texas

### RESIDENCY

- General Surgery, The University of Texas Health Science Center at Houston

### FELLOWSHIP

- Vascular Surgery, Rush University Medical Center, Chicago, Illinois



**Maham Rahimi, MD, PhD**  
Vascular Surgery

### EXPERTISE

- Open and endovascular treatment for aortic aneurysm and dissection
- Carotid endarterectomy for carotid artery disease
- Open bypass and endovascular treatment for peripheral vascular disease
- Angiogram, angioplasty and stent
- Dialysis access
- Arteriovenous malformation (AVM)
- Wound care
- Vasculitis
- Varicose vein treatment
- Visceral and renal bypass

### MEDICAL SCHOOL

- Texas Tech University Health Sciences Center School of Medicine, Lubbock, Texas

### RESIDENCY

- Vascular Surgery, University of Cincinnati, Cincinnati, Ohio



**Trisha Roy, MD, PhD**  
Vascular Surgery

### EXPERTISE

- Limb salvage
- Atherosclerosis/lipoprotein
- Peripheral vascular disease
- Aneurysms
- Varicose vein treatments
- Venous disease
- Lymphedema
- Wound care

### MEDICAL SCHOOL

- University of Toronto, Canada

### RESIDENCY

- Vascular Surgery, University of Toronto, Canada

## CARDIOTHORACIC & TRANSPLANT SURGERY



**Mehmet Hakan Akay, MD**  
Cardiothoracic Surgery, Transplant Surgery

### EXPERTISE

- Arrhythmia surgery
- Assist devices
- Cardiogenic shock
- Heart and lung transplant
- Heart failure
- Ischemic heart disease
- Valvular heart disease

### MEDICAL SCHOOL

- University of Istanbul, Istanbul, Turkey

### RESIDENCIES

- Cardiovascular Surgery, Siyami Ersek Thoracic and Cardiovascular Surgery Center, Istanbul, Turkey
- General Surgery, Baylor College of Medicine, Houston, Texas
- Thoracic Surgery, Texas Heart Institute, Houston, Texas

### FELLOWSHIPS

- Congenital Heart Surgery, Texas Children's Hospital, Houston, Texas
- Cardiothoracic Disease & Mechanical Circulatory Support; Cardiac Transplantation, Texas Heart Institute, Houston, Texas



**Marvin D. Atkins Jr., MD, FACS**  
Cardiothoracic Surgery, Vascular Surgery

### EXPERTISE

- Open and endovascular thoracic, thoracoabdominal and abdominal aortic surgery
- Transcatheter aortic (TAVR) and mitral valve repair (TMVR)
- Aortic root surgery
- Cardiac tumors
- Coronary artery bypass graft surgery, including all arterial revascularization, off-pump bypass surgery
- Surgery for atrial fibrillation
- Cerebrovascular disease — open and endovascular repair

### MEDICAL SCHOOL

- The University of Texas Health Science Center at Houston

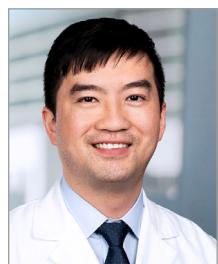
### RESIDENCY

- General Surgery, Baylor Scott and White, Texas A&M University College of Medicine, Temple, Texas

### FELLOWSHIPS

- Vascular Surgery, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts
- Cardiothoracic Surgery, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania

## CARDIOTHORACIC & TRANSPLANT SURGERY (CONT.)



**Yuncen Atticus He, MD**  
Cardiothoracic Surgery, Transplant Surgery

### EXPERTISE

- Aortic and aortic root surgery
- Extracorporeal membrane oxygenation (ECMO)
- Heart transplantation
- Heart valve surgery
- Lung transplantation
- Mechanical circulatory support/ventricular assist device
- Multi-arterial coronary artery bypass grafting (CABG)
- Reoperative surgery

### MEDICAL SCHOOL

- Case Western Reserve University, Cleveland, Ohio

### RESIDENCY

- General Surgery, University of Rochester Medical Center, Rochester, New York

### FELLOWSHIP

- Cardiothoracic Surgery, Houston Methodist Hospital, Houston, Texas



**Mahesh K. Ramchandani, MD, FRCS, FACS**  
Chief, Section of Cardiac Surgery  
Cardiothoracic Surgery

### EXPERTISE

- Aortic aneurysm disease
- Arrhythmia surgery
- Blood conservation
- CTEPH surgery
- High-risk complex cardiac surgery
- Minimally invasive cardiac valve surgery
- Transcatheter valve therapies
- Minimally invasive coronary bypass surgery
- Minimally invasive thymectomy
- Thoracic surgery



**Gerald Lawrie, MD**  
Cardiothoracic Surgery

### EXPERTISE

- Aortic aneurysms
- Aortic valve replacement
- Atrial septum defect
- Carotid endarterectomy
- Coronary artery bypass graft (CABG) surgery
- Coronary artery disease
- Mitral valve surgery

### MEDICAL SCHOOL

- The University of Sydney, Sydney, Australia

### RESIDENCY

- Cardiothoracic Surgery, Prince Henry Hospital/The University of New South Wales, Sydney, Australia

### FELLOWSHIP

- Cardiothoracic Surgery, Baylor College of Medicine, Houston, Texas



**Fernando Ramirez Del Val, MD, MPH**  
Cardiothoracic Surgery

### EXPERTISE

- Mitral valve repair, including minimally invasive
- Aortic valve repair, including minimally invasive
- Complex heart valve surgery and Ross procedure
- Aortic root surgery and valve-sparing root replacement (VSRR)
- Aortic surgery
- Surgery for atrial fibrillation
- Coronary artery bypass graft (CABG) surgery and total arteria and off-pump CABG
- Transcatheter valve therapies, TAVR, TEER and TMVR



**Andrea Giulio Quarti, MD**  
Cardiothoracic Surgery, Adult Congenital Heart Surgery, Transplant Surgery

### EXPERTISE

- Congenital heart disease
- Aortic root surgery
- Repair of the aortic valve
- Heart transplantation for congenital heart patients
- Valvular surgery

### MEDICAL SCHOOL

- University of Milan, Milan, Italy

### RESIDENCY

- Cardiac Surgery, University of Modena & Reggio Emilia, Modena, Italy

### FELLOWSHIP

- Cardiac Surgery, University of Modena & Reggio Emilia, Modena, Italy



**Michael J. Reardon, MD, FACS**  
Cardiothoracic Surgery

### EXPERTISE

- Structural heart disease
- Cardiac valve disease
- Aortic disease
- Cardiac tumors
- Transcatheter heart valve treatment

### MEDICAL SCHOOL

- University of Cambridge, United Kingdom

### RESIDENCY

- General Surgery, Baylor College of Medicine, Houston, Texas

### FELLOWSHIPS

- Vascular Surgery, Baylor College of Medicine, Houston, Texas
- Cardiothoracic Surgery, Baylor College of Medicine, Houston, Texas

### MEDICAL SCHOOL

- University of Monterrey, Nuevo León, Mexico

### RESIDENCIES

- General Surgery, National Institute of Medical Science and Nutrition/UNAM, Mexico City, Mexico
- General Surgery, Houston Methodist Hospital, Houston, Texas
- Cardiothoracic Surgery, Massachusetts General Hospital/Harvard, Boston, Massachusetts

### MEDICAL SCHOOL

- Baylor College of Medicine, Houston, Texas

### RESIDENCY

- General Surgery, Baylor College of Medicine, Houston, Texas

### FELLOWSHIP

- Cardiothoracic Surgery, Texas Heart Institute, Houston, Texas

## CARDIOTHORACIC & TRANSPLANT SURGERY (CONT.)



**Ross Michael Reul, MD**  
Cardiothoracic Surgery

### EXPERTISE

- Aortic surgery
- Aortic valve surgery
- Arrhythmia surgery
- Coronary artery disease
- Mitral valve surgery
- Transcatheter aortic valve replacement (TAVR)
- Thoracic surgery – lung tumor resection

### MEDICAL SCHOOL

- Baylor College of Medicine, Houston, Texas

### RESIDENCY

- General Surgery, Brigham & Women's Hospital, Harvard Medical School, Boston, Massachusetts

### FELLOWSHIP

- Cardiothoracic Surgery, Texas Heart Institute, Houston, Texas



**Michael S. Sweeney, MD**  
Cardiothoracic Surgery

### EXPERTISE

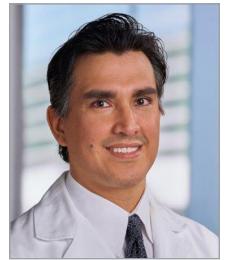
- High-risk complex cardiac surgery
- Coronary artery bypass graft surgery (CABG)
- Heart valve replacement & repairs
- Aortic aneurysms
- Carotid endarterectomy
- Mitral valve repairs

### MEDICAL SCHOOL

- Baylor College of Medicine, Houston, Texas

### RESIDENCIES

- General Surgery, Johns Hopkins Hospital, Baltimore, Maryland
- Thoracic Surgery, Frenchay Hospital/Bristol Royal Infirmary, Bristol, England
- Thoracic and Cardiovascular Surgery, Texas Heart Institute, Houston, Texas



**Erik Eddie Suarez, MD**  
Cardiothoracic Surgery, Transplant Surgery

### EXPERTISE

- Heart transplant
- Lung transplant
- Cardiothoracic surgery
- Extracorporeal membrane oxygenation (ECMO)
- Thoracic surgery
- Thoracoscopy
- Ventricular assist device (LVAD)
- Blood conservation surgery

### MEDICAL SCHOOL

- The University of Texas Southwestern Medical School, Dallas, Texas

### RESIDENCIES

- General Surgery, Baylor College of Medicine, Houston, Texas
- Thoracic Surgery, Baylor College of Medicine, Houston, Texas

### FELLOWSHIP

- Baylor College of Medicine/Texas Heart Institute, Houston, Texas



**Randall Wolf, MD**  
Cardiothoracic Surgery

### EXPERTISE

- Minimally invasive atrial fibrillation procedures
- Mini maze
- Arrhythmia procedures
- Minimally invasive arrhythmia monitoring
- Inappropriate sinus tachycardia (IST)
- Phrenic nerve pacemakers
- Minimally invasive thoracic spine procedures
- Minimally invasive thoracic surgery

### MEDICAL SCHOOL

- Indiana University School of Medicine, Indianapolis, Indiana

### RESIDENCY

- General Surgery, Carilion Health/University of Virginia School of Medicine, Roanoke, Virginia, Charlottesville, Virginia

### FELLOWSHIPS

- Vascular Surgery, Jewish Hospital of Cincinnati, Cincinnati, Ohio
- Thoracic Surgery, Cardiothoracic Surgery, University of Cincinnati, Cincinnati, Ohio

## ORGAN PROCUREMENT



**Dewei Ren, MD, MS**  
Cardiothoracic Surgery

### EXPERTISE

- Organ Procurement

### MEDICAL SCHOOL

- Shanghai Second Medical University, Shanghai, China

### RESIDENCIES

- General Surgery, Shanghai Jingan District Central Hospital, Shanghai, China
- General Surgery, Baylor College of Medicine

### FELLOWSHIP

- Cardiovascular Surgery, Texas Heart Institute, Houston, Texas

## VASCULAR IMAGING



**Zsolt Garami, MD**  
Vascular Imaging

### EXPERTISE

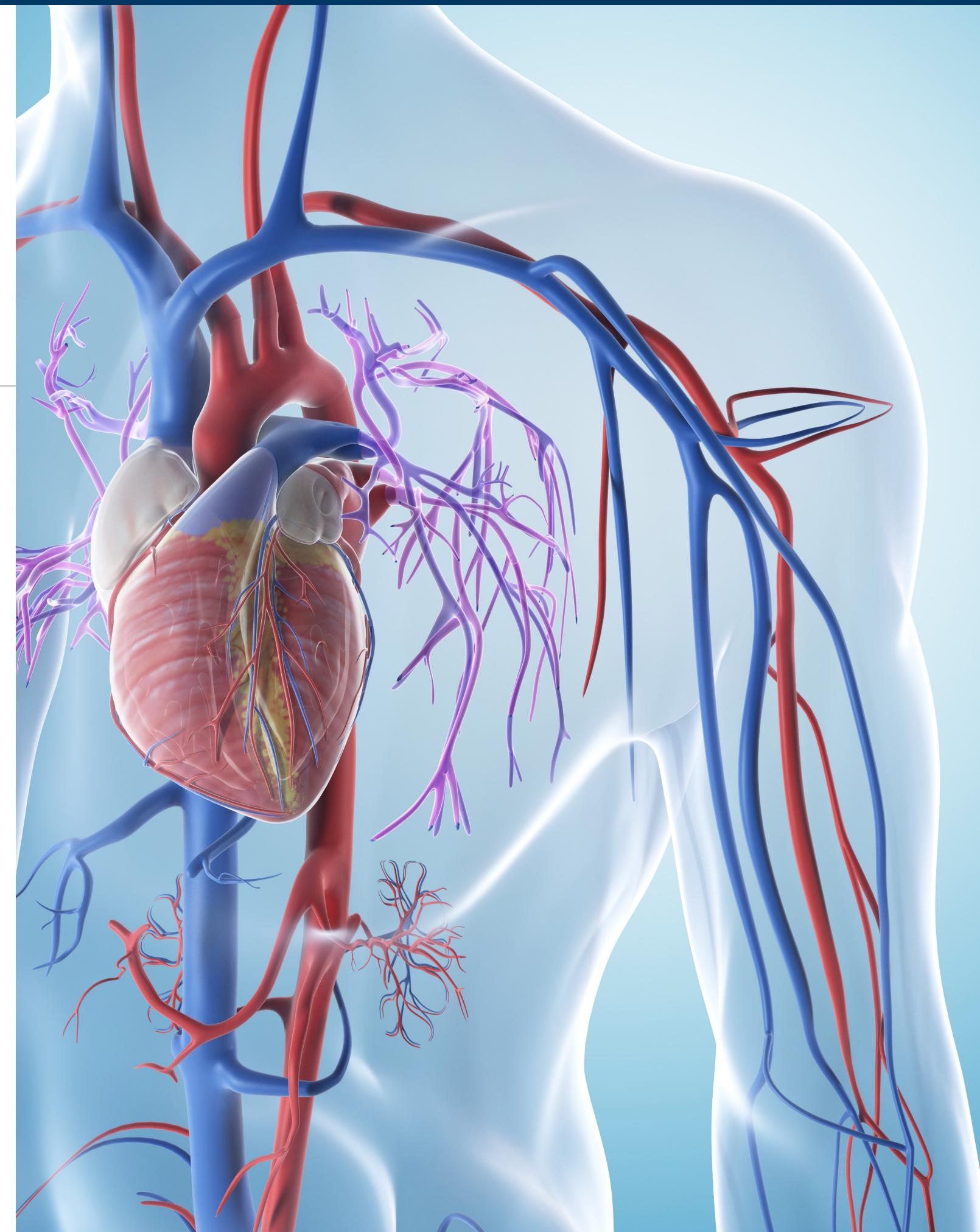
- Transcranial doppler
- Vascular ultrasound
- Intraoperative TCD
- Fusion imaging

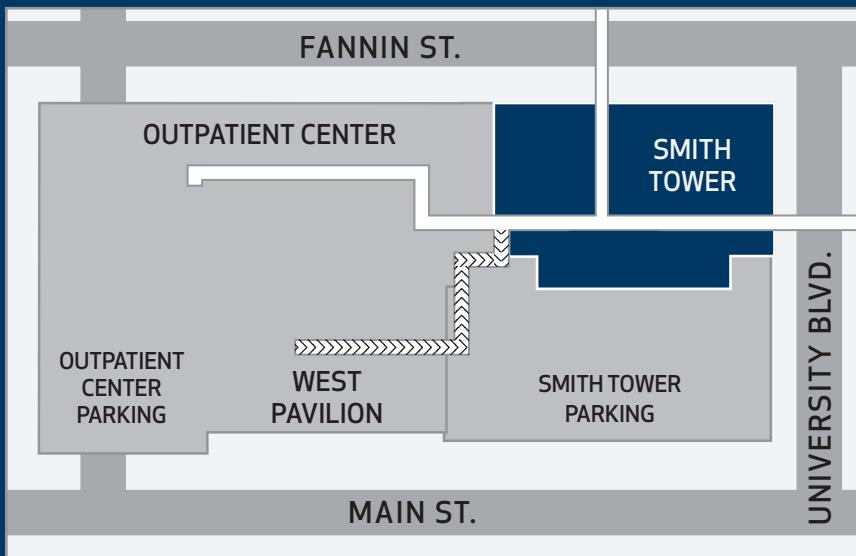
### MEDICAL SCHOOL

- University of Debrecen Medical School, Debrecen, Hungary

### RESIDENCY

- Radiology, Semmelweis University, Budapest, Hungary





## HOUSTON METHODIST CARDIOVASCULAR SURGERY ASSOCIATES

Texas Medical Center  
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### REFER A PATIENT

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### MORE INFORMATION

[houstonmethodist.org/spg/heart-vascular](http://houstonmethodist.org/spg/heart-vascular)



Houston Methodist Hospital is  
ranked Best in Texas and No. 15 in  
the nation by *U.S. News & World  
Report* for cardiology, heart &  
vascular surgery.