Heart and Vascular Services
Vascular Surgery and Endovascular Therapy

The UAB Division of Vascular Surgery and Endovascular Therapy provides full diagnostic capabilities and a comprehensive range of evidence-based therapies for vascular disease. As a regional referral center for the diagnosis and treatment of complex vascular disorders, UAB offers innovative, proven treatments designed to provide patients with optimal outcomes, and improved quality of life. We are very actively involved in clinical trials involving the evaluation of new therapies for the treatment of various vascular conditions, providing our patients access to innovative new therapies.

Our UAB vascular surgeons treat vascular disease with endovascular repair (such as stents) or open vascular reconstruction, and provide medical therapy when appropriate. Following a thorough evaluation of circulatory problems, our physicians may also recommend lifestyle changes that will improve long-term cardiovascular health.

Conditions Treated
- Thoracic and thoracoabdominal aortic aneurysm and dissection
- Abdominal aortic aneurysm
- Aneurysms involving renal, splenic, mesenteric, carotid, or extremity arteries
- Peripheral vascular disease (also known as, peripheral atherosclerosis, peripheral arterial disease, peripheral arterial occlusive disease or “hardening” of the arteries)
- Atherosclerosis involving the aorta and its branches to the intestines and kidneys
- Carotid artery disease causing stroke or transient neurological problems
- Vertebral-basilar and subclavian artery occlusive disease and aneurysms
- Subclavian steal syndrome
- Renal artery occlusive disease causing renovascular hypertension or ischemic nephropathy
- Mesenteric disease causing acute or chronic mesenteric ischemia
- Thoracic outlet syndrome (arterial or venous)
- Vascular medical and nonoperative problems of peripheral arterial circulation
- Venous disease, including varicose and spider veins, deep venous thrombosis or arteriovenous malformations

Services Available
- Comprehensive vascular medical evaluation, including risk-factor assessment and Nonoperative treatment
- Arterial and venous ultrasound and noninvasive arterial testing
- Diagnostic angiography and venography
- Balloon angioplasty and stenting
- Percutaneous laser and mechanical atherectomy
- Catheter-directed thrombolysis and thrombectomy
- Endovascular aortic repair (thoracic, thoracoabdominal, and abdominal)
- Thoracic and abdominal aortic bypass grafting
- Renal and mesenteric revascularization (open and endovascular)
- Lower extremity bypass grafting
- Carotid endarterectomy and bypass
- Carotid stenting
- Minimally invasive vein procedures, including endovenous ablation and injection or laser sclerotherapy

1.800.UAB.MIST (800.822.6478) • uabmedicine.org/vascular

Our Specialists
Adam W. Beck, MD
Division Director, & Associate Professor, Vascular Surgery and Endovascular Therapy

Marc A. Passman, MD
Professor

Mark A. Patterson, MD
Associate Professor

Benjamin J. Pearce, MD
Assistant Professor

Emily Spangler, MD
Assistant Professor
Vascular Clinics
UAB provides vascular care at a variety of clinic locations including our Vascular Surgery Clinic and a new wound clinic, both located at The Kirklin Clinic of UAB Hospital, and the UAB Vein Clinic, located at UAB Hospital Highlands. The UAB Vein Clinic offers evaluation of lower extremity venous problems, including varicose and spider veins, and the latest technology to improve appearances. If evaluation uncovers more serious venous disease, a full range of resources is available to address those problems.

Diagnostic Techniques
Focused diagnostics techniques, including vascular ultrasound and physiologic Doppler testing are used along with radiographic imaging information to direct patient specific treatment. A vascular lab is located adjacent to the Vascular Surgery Clinic at The Kirklin Clinic of UAB Hospital. Vascular lab testing is commonly incorporated with outside testing to support the management of the patient’s vascular condition. Results from these lab studies are immediately available for the vascular physician to review with the patient and further direct their care.

Hybrid Vascular Operating Room
UAB Hospital has two state of the art hybrid operating rooms allowing surgeons to conduct operations that require both open and endovascular techniques, including three-dimensional imaging to facilitate aneurysm repair. The Vascular OR Team includes dedicated nurses and technicians with many years of experience caring for complex vascular patients.

Research
The UAB Division of Vascular Surgery and Endovascular Therapy includes an active program in clinical research and offers patients the benefit of the most advanced, science-based techniques and procedures. Clinical trials open for enrollment include those for abdominal and thoracic aortic aneurysms, traumatic aortic injuries, varicose veins, hypertension, dyslipidemia, diabetes, iliac artery stenosis, peripheral arterial disease and carotid stenosis, among many others.

For Referring Physicians
UAB Vascular Care is provided at these locations:
UAB Hospital: 1802 Sixth Avenue South
The Kirklin Clinic of UAB Hospital: 2000 Sixth Avenue South
UAB Hospital Highlands: 1201 11th Avenue South

Our faculty is committed to providing immediate consultations and care for your patients. For physician-to-physician consultation, or to be connected with our specialists and clinics please call UAB MIST at 800.UAB.MIST (800.822.6478).

For more information, visit us online at uabmedicine.org/vascular.

Visit our MD Learning Channel at learnmd.uabmedicine.org for web-based learning and video presentations from our UAB Medicine specialists.