

Stony Brook Medicine, Long Island's premier academic medical center, integrates and elevates all of Stony Brook University's health-related initiatives: education, research and patient care. It includes five Health Sciences schools — Dental Medicine, Health Technology and Management, Medicine, Nursing and Social Welfare — as well as Stony Brook University Hospital, Stony Brook Children's Hospital and more than 50 community-based healthcare settings throughout Suffolk County.

With 603 beds, Stony Brook University Hospital serves as Suffolk County's only tertiary care center and Regional Trauma Center, and is fully accredited by The Joint Commission. To learn more, call (631) 444-4000 or visit stonybrookmedicine.edu.



**Stony Brook
Medicine**

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The Aortic Center

*Working with You to Manage and
Treat Your Patient's Aortic Disease*



APOSTOLOS K. TASSIOPOULOS, MD, Professor of Surgery, and Chief, Vascular Surgery Division, is board certified in vascular surgery and general surgery. His expertise includes open surgical repair for aortic aneurysms; all state-of-the-art advanced endovascular techniques for aortic aneurysm repair, including endovascular aneurysm repair (EVAR), thoracic endovascular aneurysm repair (TEVAR), fenestrated aortic endografts and complex hybrid aortic reconstructions. He also specializes in open and endovascular treatment of lower extremity vascular disease (PAD); treatment of venous disease, including minimally invasive percutaneous closure for varicose veins; and surgery for stroke prevention (carotid endarterectomy).



JAMES R. TAYLOR JR., MD, Professor of Surgery; Chief, Division of Cardiothoracic Surgery; and Co-Director, Stony Brook Heart Institute, is board certified in thoracic surgery and general surgery. His expertise includes aortic valve-sparing surgery, blood conservation, minimally invasive valve surgery, aortic dissections, thoracic aortic aneurysm surgery, transcatheter aortic valve replacement (TAVR) and valvular heart disease.



HAROLD A. FERNANDEZ, MD, Professor of Surgery; Deputy Chief, Division of Cardiothoracic Surgery; and Co-Director, Stony Brook Heart Institute, is board certified in thoracic surgery and general surgery. His expertise includes aortic aneurysm surgery, aortic dissections, minimally invasive surgery, transcatheter aortic valve replacement (TAVR) and valvular heart disease.



THOMAS V. BILFINGER, MD, ScD, Professor of Surgery, and Director, Thoracic Surgery, is board certified in thoracic surgery, surgical critical care and general surgery. His expertise includes aortic aneurysm surgery, extracorporeal membrane oxygenation (ECMO), minimally invasive surgery, thoracic endovascular aneurysm repair (TEVAR), valvular heart disease and ventricular assist device implantation.



SHANG A. LOH, MD, Assistant Professor of Surgery, is board certified in vascular surgery and general surgery. He has expertise in both open and endovascular repair of thoracic and abdominal aortic aneurysms, dissections and other aortic pathology. He has training and experience in advanced endografting techniques, including performing percutaneous endovascular aortic aneurysm repair, fenestrated aortic endografts, hybrid repairs and chimney techniques for preserving branch vessels. He also has a special interest in the endovascular treatment of complex aortic aneurysms.



ALLISON J. MCLARTY, MD, Associate Professor of Surgery and Co-Director, Ventricular Assist Device Program, is board certified in thoracic surgery and general surgery. Her expertise includes aortic aneurysm surgery, aortic dissection, thoracic endovascular aneurysm repair (TEVAR) and left ventricular assist device (LVAD) implantation.



WILLIAM E. LAWSON, MD, Professor of Medicine; Interim Chief, Division of Cardiovascular Medicine; and Co-Director, Stony Brook Heart Institute, is board certified in internal medicine; internal medicine/ cardiovascular disease; internal medicine/ interventional cardiology and internal medicine/subspecialty advanced heart failure and transplant cardiology. His expertise includes angioplasty, cardiac catheterization, coronary disease, valvular heart disease, enhanced external counterpulsation, acute myocardial infarction, congestive heart failure, hyperlipidemia and hypertension.



**Stony Brook
Medicine**

What makes the Stony Brook Aortic Center different?

Our Aortic Center does not consist of just one person — we are a team of specialists from cardiac imaging, cardiovascular medicine, anesthesiology, cardiothoracic surgery and vascular surgery. We collaborate with each other, and with the patient's referring physician, to find the most focused solution to a patient's aortic disease. And your patients don't have to travel far to receive advanced detection and treatment — the Stony Brook University Aortic Center is Suffolk County's only facility offering patients comprehensive and coordinated care for the full range of aortic conditions.

Our sophisticated technologies — in the hands of our team of specialists — help define aortic problems and the optimal treatment plan.

Advanced diagnostic capabilities include:

- PET/MRI technology that allows simultaneous scans to determine both the structure and function of aortic abnormalities
- 320-slice CT scanner for greater accuracy, faster exams and less time needed for breath-holds
- PET/CT scans for information about the structure and function of cells and tissues while providing greater image accuracy and shorter treatment times
- GE 3.0 Tesla MRI scanner for three-dimensional views of blood vessels to ensure the highest quality care and improved patient outcomes
- Non-Invasive Vascular Laboratory with duplex scanners and Doppler units, used in diagnosis and follow-up

Our expert and compassionate aortic team is experienced in treating patients with co-existing conditions and other high-risk factors.

We offer diagnosis and treatment for all aortic diseases, including:

- Ascending, arch and descending thoracic aortic aneurysms
- Thoracoabdominal aortic aneurysms
- Abdominal aortic aneurysms
- Acute and chronic type A and B aortic dissections
- Aortic root and valve disease
- Native aortic and prosthetic graft infections
- Aortoiliac occlusive and thromboembolic disease
- Congenital aortic disease
- Mesenteric and renal aneurysmal and occlusive disease

Our minimally invasive interventions allow us to treat a wider spectrum of patients, with shorter hospital stays and fewer postoperative complications.

Our advanced interventions include:

- Endovascular stent grafts
- Custom-built fenestrated stent grafts to treat complex anatomy
- Endovascular treatment of aortic dissections
- Valve-sparing aortic procedures
- Techniques for brain and spinal cord protection during aortic procedures
- Visceral debranching and stent grafting for thoracoabdominal aneurysms
- Complex aortic re-interventions

Our Aortic Center delivers exceptional, high-quality care.

We consistently take part in vascular quality initiatives that result in exceptional clinical outcomes for our patients — outcomes that rival some of the largest medical facilities in the northeast region of the United States.

We encourage patients and their families to partner with us as active members of the care team.

This means that they are at the center of the treatment team and are involved in decision-making. Our Aortic Center includes two clinical navigators who are hands-on every step of the way. This helps ensure that patients and their families have the support and resources they need. Before, during and after surgery, these navigators act as liaisons between the patient and attending physician to provide a seamless course of care. And illustrated patient education materials are given to all patients and families to help them better understand their aortic condition and potential treatment options.

We are here to help with lifelong care for aortic disease.

With the increasing number of minimally invasive techniques established for aortic repair, surveillance imaging with duplex ultrasound (sonography) or CT angiography is now a mainstay of follow-up care. And often surveillance imaging continues for life. After the patient's surgery, we recommend an interval surveillance regimen, and work closely with the patient, family members and you as the referring physician, to help ensure optimal lifelong care.

Easy, fast, accessible: We are committed to providing your patient with an appointment within one week of your referral.

And when a patient needs to be transferred to Stony Brook University Hospital, we are available 24 hours a day, 7 days a week to provide immediate care for your patient. The hospital's Patient Transfer Center is a comprehensive emergency medical service system that is staffed by a team of specially trained healthcare professionals.

Stony Brook Medicine Aortic Center Contact Us

For elective transfer and outpatient referrals of patients, call the Stony Brook Aortic Center: (631) 444-2683

For immediate transfer of patients, call the Stony Brook University Hospital EMS Transfer Center: (631) 444-1911

To learn more about Stony Brook Medicine and its many services, call (631) 444-4000 or visit stonybrookmedicine.edu.

When there is good communication among all physicians and specialists, the patient benefits.

Patients, families and referring physicians are always our highest priority. We work to maintain a close collaborative relationship with referring physicians to optimize and ensure a safe transition of care.