

CENTER FOR AORTIC DISEASE

World-Renowned Aortic Treatment

Sanger Heart & Vascular Institute's expert team of aortic disease specialists are international leaders offering breakthrough care to repair and treat all types of aortic diseases. Sought after to perform some of the most complex aortic procedures, the Center for Aortic Disease stands at the forefront of delivering life-saving care.

Center for Aortic Disease

Our aortic disease program has become an international resource for the most innovative care. Physicians from throughout the United States and across the globe travel to learn and observe the latest procedures from our aortic disease specialists.

As leaders in thoracic endovascular aortic repair (TEVAR) and endovascular aortic repair (EVAR), our teams are adept at treating even the most complex of cases. As the only center participating in both the Mona LSA and Zone Zero clinical trials, we continue to push the boundaries with treatments that include both leading-edge open procedures and minimally invasive endovascular repair techniques for thoracic and abdominal aortic aneurysms.

Minimally Invasive Therapies

Our skilled surgeons perform catheter-based procedures utilizing stent grafts to repair aortic aneurysms and dissections, offering patients who are too high risk for traditional open surgery the chance for successful treatment.

Frank R. Arko III, MD led the Sanger surgical team and became the first in the world to implant a branched stent graft designed to repair thoracic aortic aneurysms. This novel care approach is

currently only available in select locations around the country. As a less-invasive alternative to open surgery, this procedure is especially beneficial for aortic arch aneurysms.

Code Rupture/Code Dissection

The Center for Aortic Disease is one of only two centers in North Carolina with a special treatment protocol for ruptured aortic aneurysms and thoracic aortic dissections. When emergency surgery is needed for an acute aortic syndrome, our team activates integrated, system-wide protocols to give your patient seamless care and expert treatment when time matters most.

**For more information or
to make a referral, contact:**

Jennifer Longueira, Aortic Program Coordinator



704-446-2256



Carolinas HealthCare System
Sanger Heart & Vascular Institute

Leading the Way in Quality

As a high-volume center caring for more than 2,500 patients, our team has unparalleled experience and top outcomes, giving you peace of mind that your patients are in the best hands.

Multidisciplinary Collaboration

Our approach to aortic disease management is a collaboration of care between you and our team of cardiothoracic surgeons, vascular surgeons, cardiologists, nurses and geneticists. This approach aligns with our program's goal of optimizing your patient's outcome by providing the highest quality treatment and returning them to your care.

Nationally Ranked*

NUMBER 1 FOR EVAR VOLUMES

NUMBER 4 FOR TEVAR VOLUMES

*Ailon 2016

Areas of Specialty

- Endovascular aortic repair (EVAR)
- Thoracic endovascular aortic repair (TEVAR)
- Abdominal aortic aneurysm repair
- Ascending and descending aortic dissection repair
- Valve-sparing aortic root replacement
- Composite valve graft aortic root replacement
- Ascending aortic aneurysm repair
- Complex aortic arch reconstruction
- Hybrid and total aortic arch replacement
- Thoracoabdominal aortic aneurysm repair
- Aortic coarctation repair
- Treatment of connective tissue disorder aortopathy (Marfan's Syndrome)

OUR LEADERSHIP



Frank R. Arko III, MD, FACS
Co-Director, Center for Aortic Disease

Fellowship Training
Stanford University

Board Certified
Vascular Surgery

Specialties
Vascular Surgery; Complex Aortic Surgery;
Endovascular Surgery;
Vascular Medicine/Intervention



John R. Frederick, MD
Co-Director, Center for Aortic Disease

Fellowship Training
University of Pennsylvania

Board Certified
Cardiothoracic Surgery

Specialties
Cardiothoracic Surgery; Complex Aortic Surgery;
Endovascular Surgery;
Vascular Medicine/Intervention

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