

Superior Vascular Care

Beebe Healthcare's experienced vascular surgeons, with support from surgical teams and the latest technologies, perform surgeries to either open or repair blood vessels, other than the ones in the heart, so that blood flows more freely to the body. These vascular surgeons provide emergency coverage 24 hours a day, 7 days a week at Beebe. In addition to surgical treatment of vascular illnesses, Beebe also offers a broad range of diagnostic testing and other nonsurgical procedures.



A new, state-of-the-art, hybrid operating room is being constructed at the Margaret H. Rollins Lewes Campus. This efficient operating theater will allow vascular surgeons and diagnostic teams to work seamlessly in one dedicated space.

Beebe's Vein Center is operated by the vascular team to provide patient-centered care for most vein diseases and illnesses.

BEEBE VASCULAR SERVICES PROCEDURES INCLUDE:

- Abdominal aortic aneurysm repair
 - > Open/Endovascular
- Lower extremity revascularization
 - > Open/Endovascular
- Limb salvage revascularization
- Balloon angioplasty
- Endovascular stent
- Thoracic outlet syndrome management
- Carotid endarterectomy/stent
- Minimally invasive venous procedures
- Dialysis access for nephrology patients
- TCAR—transcarotid artery revascularization

The Beebe Vein Center offers a full spectrum of treatments for varicose veins and spider veins.

THE TCAR PROCEDURE: Transcarotid Artery Revascularization

Beebe Healthcare is the first in the region to provide TCAR—transcarotid artery revascularization.

TCAR is designed to reduce the risk of stroke during the insertion of the stent for patients who are at risk for stroke. This procedure uses a special transcarotid neuro-protection system, which allows the surgeon to directly access the common carotid artery in the neck and initiate temporary blood flow reversal. By reversing the blood flow quickly during the procedure, the patient's brain is protected from a stroke.

During the TCAR procedure, one of Beebe's vascular surgeons makes a small incision at the neckline, just above the clavicle. This incision is much smaller than

continued on back

Beebe Vascular Surgeons



KEVIN CALDWELL, MD

Dr. Kevin Caldwell received his medical degree from University of Maryland School of Medicine in Baltimore. He completed his general surgery residency and his integrated vascular surgery residency at Southern Illinois University. He previously was an Associate Professor and Anatomy Lab Instructor with University of Maryland School of Medicine.



CARLOS NEVES, MD

Board Certified in Vascular Surgery; Fellowship Trained in Vascular and Endovascular Surgery

Dr. Carlos Neves received his medical degree from Rutgers University/Robert Wood Johnson Medical School in New Jersey. He completed his surgical internship and residency at Temple University Hospital. He specializes in both open and endovascular (minimally invasive) repair of aneurysm disease as well as carotid artery surgery for stroke prevention. He offers percutaneous or incision-less repair of aortic aneurysms. Other areas of interest include: minimally invasive procedure with balloon angioplasty, atherectomy and stenting for peripheral arterial disease, complex lower extremity bypass procedures, carotid artery stenting, hemodialysis access, placement and retrieval of IVC filters, and treatment of varicose veins and all types of venous disorders.



SEAN RYAN, MD

Board Certified in Vascular Surgery; Fellowship Trained in Vascular and Endovascular Surgery

Dr. Sean Ryan received his medical degree at Rutgers University/Robert Wood Johnson System. He completed his surgical residency at Christiana Care and his Fellowship training in vascular surgery at Thomas Jefferson University. He spent an extra year of training during surgical residency in a laboratory to work on tissue regeneration and teaching anatomy at the University of Delaware. He offers incision-less repair of aortic aneurysms. Other areas of interest include: minimally invasive balloon angioplasty, atherectomy, and stenting, lower extremity bypass procedures, carotid artery surgery and stenting, permanent hemodialysis access for end-stage renal disease, placement and retrieval of IVC filters, and evaluation and surgical management of thoracic outlet syndrome (TOS).

would be made for a traditional carotid endarterectomy. The catheter is placed directly into the carotid artery and connected to the neuro-protection system to direct blood flow away from the brain, protecting against embolism that could reach the brain and cause stroke. Any embolic plaque is captured in a filter outside the body.

The filtered blood is then returned through a second catheter which flows into the patient's upper leg. Once the stent is placed successfully, the blood flow is returned to normal.

SYMPTOMS OF VASCULAR DISEASE

Peripheral Arterial Disease

- Pain in the calf or thigh after walking a short distance
- Changes in skin color, or foot sores that don't heal

Venous Insufficiency

- Swelling, pain, aching sensation of the legs
- Discoloration, ulcers of the lower legs
- Varicose veins, spider veins, reticular veins

Stroke/Carotid Artery Disease

- Brief loss of vision in one eye
- Difficulty speaking or forming words
- Temporary weakness in an arm or leg

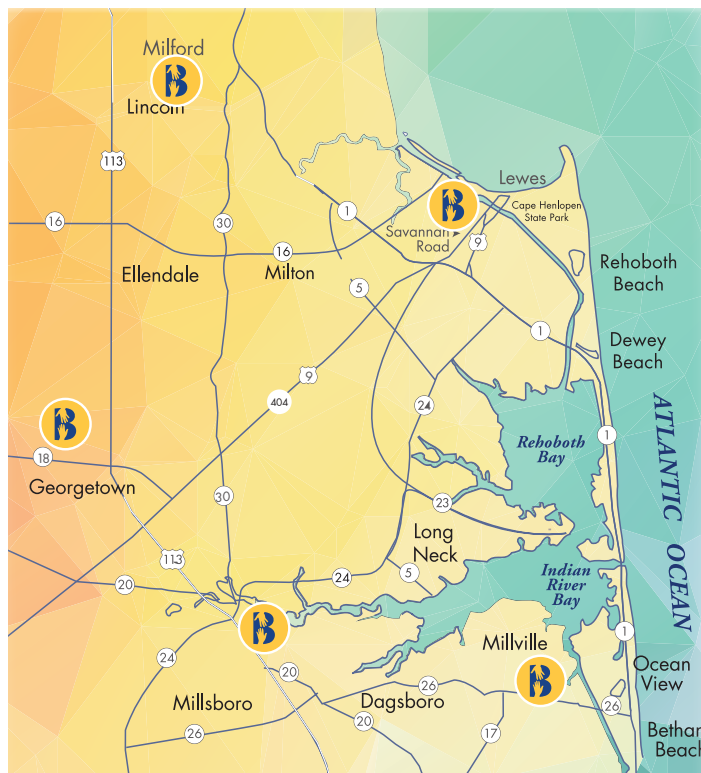
NON-INVASIVE VASCULAR TESTING

Non-invasive peripheral vascular testing allows the physician to make a clinical diagnosis without submitting the patient to costly, uncomfortable, and complicated invasive procedures. Non-invasive vascular studies show the functional aspect of the vessels rather than the structural changes that are indicated by an angiogram.

Beebe Healthcare offers convenient Vascular labs at the medical center in Lewes, at Beebe Vascular, and at the Millsboro outpatient lab location. Both have been accredited by the Intersocietal Commission for the Accreditation of Vascular Laboratories. They have state-of-the-art equipment, including color-flow duplex, which is capable of the most sophisticated non-invasive diagnostic procedures available. Tests performed at these labs provide physicians with an in-depth evaluation of the cerebrovascular, peripheral arterial, and venous systems.

Testing is done both for outpatients and inpatients. Most procedures require 30 minutes to perform and are painless. Interpretation of test results is provided by Board Certified vascular surgeons.

Patients must be referred to the Beebe Vascular Lab by a doctor. Procedures may be scheduled by calling Outpatient Scheduling Services 302-645-FAST (3278).



Five Convenient Locations

Georgetown: 21635 Biden Ave.

Lewes: 33664 Bayview Medical Dr., Unit 2

Milford: 810 Seabury Ave.

Millsboro: 232 Mitchell St., 3rd Floor

Millville/Ocean View Area:

32550 Doc's Place, Unit 1 (Rt. 26), Millville

Phone: 302-644-4954 • Fax: 302-645-5481

www.beebehealthcare.org/vascular

BEEBE'S VEIN CENTER PROVIDES:

- Initial consultation and education on vein issues
- Diagnostic testing and ultrasound
- Follow-up with options and education material if vein issues are discovered
- Non-surgical and surgical treatment options
- Continued care and follow-up for the patient by the vascular team