

## OUTPATIENT Heart Catheterization and Vascular Lab Procedures

With the advancement of technology, more devices and techniques are being developed that can treat arterial blockages without the need for large surgical incisions. Crestwood Medical Center offers a variety of outpatient Heart Catheterization and Endovascular Lab Procedures.

**Elective PTCA or elective coronary intervention** is a treatment that utilizes balloon angioplasty to treat coronary artery disease - a disease that restricts blood flow to the heart due to hardened arteries that are clogged with plaque. Elective coronary interventions help treat patients who have arterial blockage, but have not experienced a heart attack. Balloon angioplasty is also used as treatment for a patient who is experiencing a heart attack.

**Arteriogram**, which is an x-ray image of the blood vessels, is used to evaluate various vascular conditions. Many arteries of the body can be examined by an arteriogram including arterial systems of the legs, kidneys, brain, and heart.

**Balloon angioplasty** is a procedure used to deliver a balloon to a site of critical arterial blockage. This technique can be applied to virtually any artery or vein in the body.

**Stents** are permanent devices that are sometimes used in conjunction with balloon angioplasty to help an artery heal in an open position after the angioplasty.

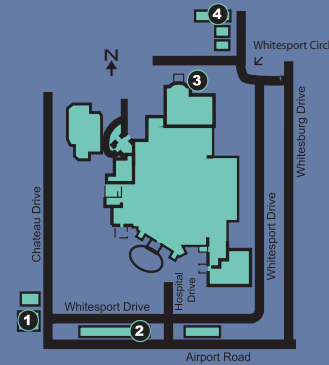
**Left Heart/ Right Heart Cardiac Catheterization** is used to show whether there are any blockages in the arteries of the heart and measures the pressure in the right heart.

**Pacemaker** is a device that is used to provide the heart with the electrical signals it needs for the muscle to contract or beat.



At Crestwood, we are growing and expanding to meet the health care needs of our community. Now open is our new Imaging & Diagnostic Center, conveniently located at 700 Airport Road, Suite H. We offer conveniences like online preregistration and front door parking. You'll also enjoy a level of care from hospital-quality radiologists and technologists that has earned us a consistent ninety-eight percent patient satisfaction score\*. While most of our imaging procedures will be performed in the new Center, your doctor may order a procedure that will need to be performed within the main hospital facility. **If diagnostics are required, let your physician know that you choose Crestwood.** Once your appointment is scheduled, our team will provide detailed instructions on what to expect and where to go for your procedure. **If at any time you have questions regarding an appointment, please feel free to call 256.429.4888.**

\*2007 Quarterly Patient Satisfaction Surveys



- 1 Women's Center - Breast Care  
185 Chateau Drive
- 2 Imaging & Diagnostics Center  
700 Airport Road
- 3 Outpatient Center Entrance
- 4 Center for Sleep Disorders  
4810 Whitesport Circle  
Suite 106

One Hospital Drive  
Huntsville, Alabama 35801  
crestwoodmedcenter.com

To schedule an appointment:  
256.429.4888



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## Outpatient Imaging & Diagnostic Services



## OUTPATIENT Diagnostic Imaging Services

Advanced medical diagnostics isn't just high-tech equipment with the latest features. It is also equipment that takes your comfort and ease into consideration. **At Crestwood, we are combining advanced diagnostics and procedures with convenience, comfort and expertise.**

**Magnetic Resonance Imaging (MRI)** utilizes a large magnet to provide high resolution images of the body part in need of examination. When your doctor orders an MRI, now there is a choice for open MRI right here at Crestwood's Imaging and Diagnostic Center. Our high-field open MRI gives both detailed images for your physician and wide open space for your comfort. Crestwood also offers MRI procedures on the main campus for after hours and weekends.

**Breast MRI** is a supplemental tool used for detecting and staging breast cancer and other breast abnormalities. Breast MRI is not a replacement for mammography or breast ultrasound.

**Mammography** is a specific type of imaging that uses a low dose x-ray system for examination of the breast. A Biolucent MammoPad® breast cushion is used to increase patient comfort during compression. Mammograms are performed in the Crestwood Women's Center located at 185 Chateau Drive.

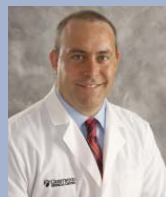
**Computerized Tomography (CT Scan)** is an X-ray procedure that combines many X-ray images with the aid of a computer. CT is distinguished from other imaging tools like traditional X-ray or MRI by its ability to display a combination of soft tissue (like muscle, tissue, organs and fat), bones and blood vessels all in a single image. Radiologists perform CT scans to diagnose brain, spine, lymph node, sinus, lung, liver, pancreas, kidney, bowel and blood disease. At Crestwood, we utilize both 32 slice and 64 slice CT modalities.

**Cardiac Computed Tomography Angiography (CCTA)** is a noninvasive imaging test that uses CT scan and computer software to look at the arteries supplying blood to the heart. It is different from conventional ways of evaluating the heart vessels in that it does not require sedation or extended monitoring after the procedure. *Insurance may cover the cost of the CCTA procedure. Please contact your insurance company regarding your policy and coverage of CCTA.*

**Computed Tomography Angiography (CTA)** is also used to acquire images of the pulmonary vessels and lower extremity vessels. This noninvasive imaging test can help radiologists identify numerous health conditions such as pulmonary embolism, stenosis, aneurysm or thrombosis.

**Nuclear Medicine** involves the use of radioactive isotopes to prevent, diagnose and treat disease. Information gathered during nuclear medicine procedures is more comprehensive than other imaging techniques because it describes organ function, not just structure. This results in many diseases and cancers being diagnosed much earlier.

**Ultrasound**, also known as sonography or ultrasonography, is an imaging tool that does not involve exposure to radiation. Instead, ultrasound uses high-frequency sound waves to look at organs and structures inside the body.



"At Crestwood, we are dedicated to offering technologically advanced equipment such as our MRI and CT, as well as convenient and flexible scheduling with a focus on customer service excellence."

G. Scott Tucker, M.D.,  
Chief of Radiology

## OUTPATIENT Cardiopulmonary Diagnostic Services

To determine the state of your heart and the condition of your cardiovascular system, our cardiologists and cardiopulmonary technologists may administer several kinds of diagnostic procedures. All cardiopulmonary procedures are performed within the main hospital facility. Patient registration is located on the north side of the main hospital facility.

Some of the tests offered at Crestwood Medical Center are described below.

**Pulmonary Function Test** is a series of tests that measure lung function. The tests provide information about the amount of air that a person's lungs can hold, and how effectively the lungs work. The test can be used to diagnose respiratory conditions including asthma.

**Stress Test** is a noninvasive procedure performed on a treadmill to help diagnose heart disease. More extensive studies are combined with radioisotopes.

**Echocardiogram** is a test in which ultrasound is used to examine the heart, which provides the doctor with important information about the size of the chambers of the heart and the pumping function of the heart.

**Transesophageal Echocardiogram** allows the cardiologist to view the internal structures of the heart and the heart's major vessels. This test will help the doctor evaluate the patient's cardiac condition related to any congenital defects, heart valve disease or heart muscle disease.

**Electrocardiogram (EKG)** records, on graph paper, the electrical impulses traveling through the heart. The purpose is to evaluate the heart's function, to determine the presence of abnormal electrical impulses and to detect heart damage.

## OUTPATIENT Neurodiagnostics

**Electroencephalogram (EEG)** is a test that checks brain wave activity. This test is used to look for brain dysfunctions such as strokes or seizures.

**Epilepsy Monitoring** helps epileptologists characterize seizure types and the location where seizures begin. Epilepsy monitoring is performed in the main Crestwood facility. Crestwood provides epilepsy monitoring for both children and adults. Patients may also be admitted as an inpatient for continuous epilepsy monitoring.

## OUTPATIENT Laboratory Services

Outpatient laboratory blood draw stations are conveniently located within the Imaging & Diagnostics Center. Patients requiring laboratory testing should bring their physician's orders, insurance information and a picture ID. No appointment is necessary; walk-ins are welcome.

