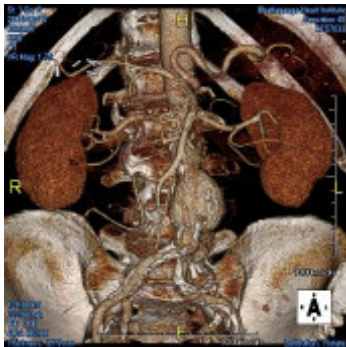


## Ease For You & Your Patient

Chattanooga Heart Institute's multi-slice Computed Tomography (CT) scanner rapidly circles the patient at up to three rotations per second. This speed allows the actual movement of the heart and blood vessels to be shown with minimal blurring. It also requires shorter breath holds, improving patient comfort and requiring fewer re-scans.

In sending patients to CHI you are assured an easy scheduling process, accuracy of readings, and quick turn-around time on results. Your patients will find our facility



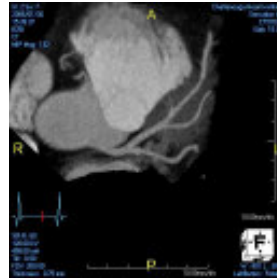
easy to access and will be cared for by highly qualified, courteous staff.

## Patients Who Benefit

- ♥ Patients with chest discomfort or dyspnea
- ♥ Follow-up of known mild to moderate untreated disease
- ♥ Post-bypass assessment
- ♥ Patients with claudication, aneurysm, carotid stenosis or other peripheral vascular disease

## Angiography & Plaque Visualization

The negative predictive value for ruling out coronary artery disease is 98%. Visualization of calcium and soft plaque is excellent. Intra-stent visualization is possible. The Cardiac CT is also an excellent tool for assessing bypass graft patency.



*Vascular CT Angiography Multi-slice CT with 3-D image reconstruction provides unparalleled visualization of carotid, thoracic aorta, abdominal aorta and peripheral arteries. Quality rivals angiography with no invasive procedure.*



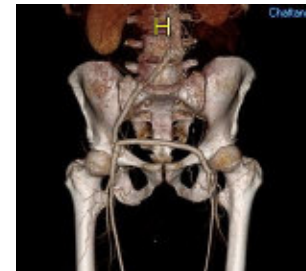
*Soft plaque Soft plaque in coronary arteries is well seen.*

## Preparation for Test

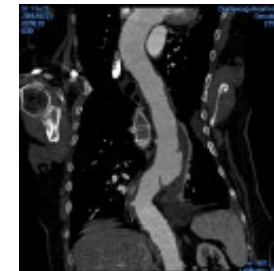
- ♥ Fasting two hours before the procedure
- ♥ Pretreatment with a beta-blocker
- ♥ Baseline creatinine

## 3-Dimensional Moving Images

Chattanooga Heart Institute's Computer Tomography scanner is one of the first in this region and the only one at a facility dedicated solely to cardiovascular care. This state-of-the-art scanner offers amazingly clear, three-dimensional, moving images. These color images can be rotated in any direction and layers of tissue can be visually removed to let physicians peer deeply into the heart and vascular system.



Femoral Bypass



Penetrating Ulcer

## Accurate Readings

- ♥ Certified cardiologists and radiologists work together at the Chattanooga Heart Institute.
- ♥ Referring physicians are faxed results rapidly.
- ♥ Chattanooga Heart Institute labs meet all accreditation criteria.

Detection and characterization of coronary artery lesions secondary to atherosclerosis, transplant arteriopathy, intimal dissection and vasculitis

Detection and characterization of coronary artery anomalies and coronary artery aneurysms

Coronary vein mapping

Characterization of cardiac chamber morphology and function

Detection and characterization of congenital heart disease

Characterization of cardiac masses

Diagnosis of pericardial diseases

Detection and characterization of post-operative abnormalities

Evaluation of carotid artery diseases

Evaluation of thoracic and abdominal aneurysm

Aortic stent graft planning

Evaluation of renal artery stenosis

Evaluation of peripheral vascular disease and planning for intervention

