



### THE LOWEST CT SCAN RADIATION DOSE IS AT CHARTER RADIOLOGY

At Charter Radiology, we only use the latest, most advanced 128-slice Siemens CT technology to ensure our patients really are receiving the lowest radiation dose – every time. In fact, the radiation dose on a 64-slice CT scan is up to five times higher than the radiation dose on the 128-slice CT scanner at Charter Radiology.

**Charter Radiology offers the most advanced, low-dose CT imaging, reducing radiation doses by 60-80%.**

### RADIOLOGY DONE RIGHT

Understanding that patients expect and deserve only the best, Charter Radiology delivers:

- The most advanced, state-of-the-art imaging technology available.
- The highest level of expertise and most accurate diagnoses.
- Highly trained radiologists and technicians.
- A personal, compassionate approach to patient care.

**Schedule a cardiac calcium scoring CT at Charter Radiology today.**

**COST: ONLY \$60**



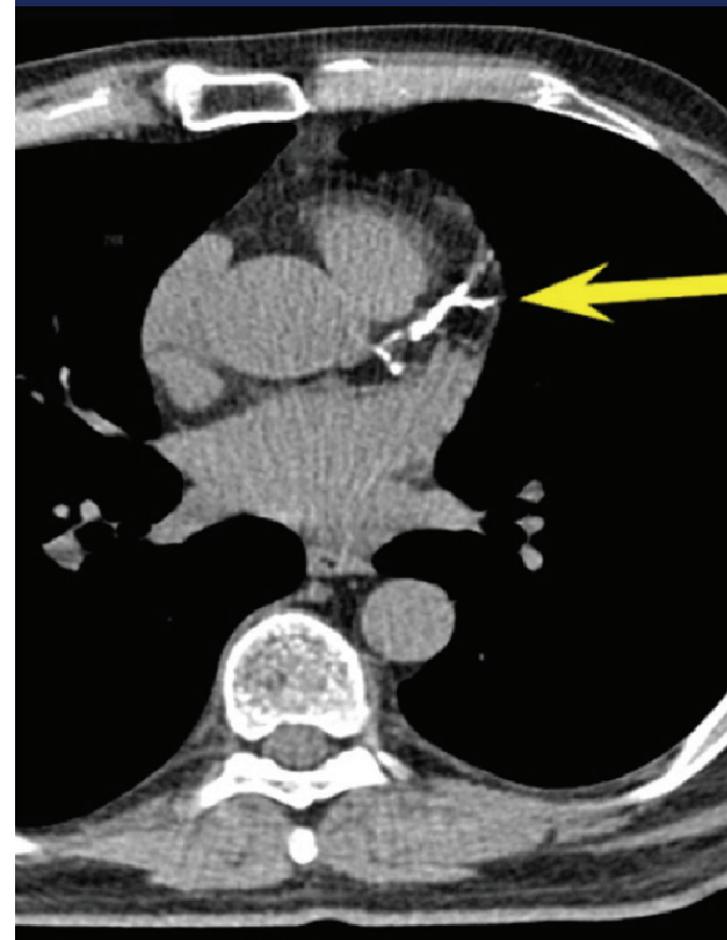
10700 CHARTER DR., SUITE 110  
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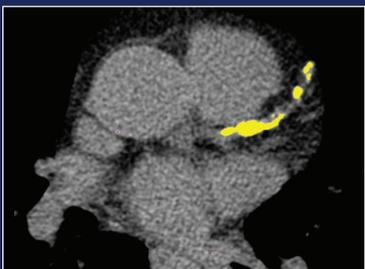
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NEXT LEVEL CT IMAGING

## CARDIAC CALCIUM SCORING





The yellow area in the CT image shows the significant plaque presence in a coronary artery.

## ABOUT CARDIAC CALCIUM SCORING CT

Cardiac scoring, which is also known as a Heart Scan or Calcium Score, is a non-invasive CT scan of the heart. This CT scan calculates the risk of developing Coronary Artery Disease (CAD) by measuring the amount of calcified plaque in the coronary arteries. Advances in multi-detector technology now provide high resolution, three-dimensional images of the heart within a single 10 to 15-second breath-hold.

**At Charter Radiology we utilize the most advanced CT scanners available, which allow for up to 60% radiation dose reduction.**

Approximately 58 million Americans have one or more forms of coronary artery disease. Heart disease remains the number one killer of men and women in the U.S. Calcified plaque results when there is a build-up of fat and other substances under the layer of the arteries. This material can harden, which shows the presence of atherosclerosis, a disease of the vessel wall known as coronary artery disease or hardening of the arteries.



## WHO IS A CANDIDATE FOR A CALCIUM SCORE CT?

Individuals at high risk for developing heart disease are good candidates for cardiac calcium scoring.

Those in the high-risk category include people with:

- High blood pressure
- High cholesterol
- Diabetes
- High stress levels
- A history of smoking
- Men over 40 and women over 45 years of age
- A family history of heart disease

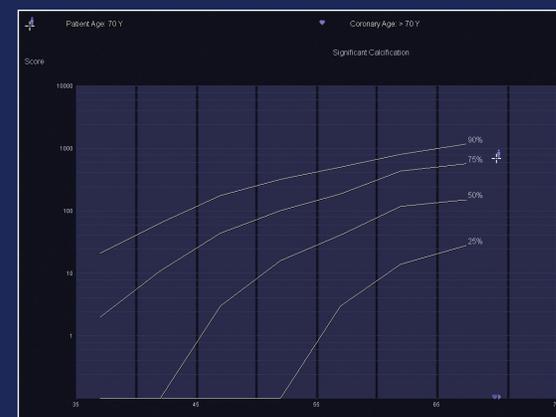
## THE IMAGING PROCEDURE – WHAT TO EXPECT

- When you arrive at Charter Radiology, one of our CT technicians will prepare you for the imaging test and make you comfortable. You will be brought back to our state-of-the-art Siemens SOMATOM® Definition 128 AS CT scanner.
- Lying on your back on the CT table, EKG electrodes will be placed on your chest to monitor your heart rate. The CT table will move throughout the procedure while taking pictures of your heart. You will be asked to hold your breath for a few seconds. The entire procedure should take about 5 to 10 minutes.

## THE SCORING – WHAT THE NUMBERS MEAN

SCORE	PRESENCE OF PLAQUE
<b>0</b>	No identifiable calcification
<b>1-10</b>	Minimal identifiable calcification
<b>11-100</b>	Mild calcification, mild heart disease
<b>101-400</b>	Moderate calcification; heart disease is present
<b>401 and</b>	Significant calcification present; chance of heart attack is high

The likelihood of having heart disease or a heart attack depends on your calcium scoring. The lower your calcium score and percentile rank, the less likely you are to have heart disease or have a heart attack compared to other men or women your age.



The calcium score CT shows a patient's actual age vs. his coronary age and risk for heart attack.