



SIEMENS

CT Angiography

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**Take Care Today.
Better Health Tomorrow.**

Coronary artery disease is the No. 1 killer of men and women in America.

Viewing Arteries in a Whole New Way.

In the past, the recognized gold standard for detecting atherosclerotic plaque was the use of coronary angiography and intravascular ultrasound.

Today, however, the American Heart Association considers CT scanning to be one of the most effective, non-invasive methods for the detection of calcification in the coronary arteries.

CT Angiography (CTA) uses x-rays to visualize blood flow in arterial vessels throughout the body – from arteries serving the brain to those bringing blood to the lungs, kidneys, arms and legs.

Compared to catheter angiography, which involves injecting contrast material into an artery, CTA is much less invasive and more patient-friendly. It can be far more cost-effective than conventional coronary angiography.

Your CT Angiography Procedure.

As part of the exam, you're positioned on a scanner table and contrast is injected into a vein. Then, in about 20 minutes a special state-of-the-art, high-speed scanner from Siemens Medical Solutions captures hundreds of cross-sectional images.

Not only is this technique invaluable for delineation of the body's vasculature, but also it's also relatively safe, convenient and non-invasive.

Your Results.

Afterwards, a powerful computer reconstructs a series of 3D, semi-transparent images that a physician can view from any angle. Once the images are reconstructed, our specially trained radiologist will interpret the test.

You and your personal physician will receive a detailed written report of the findings and any action recommended. You will also receive a CD-ROM containing all of your images for future reference.

Who Should Consider a CT Angiography?

Any individual with a family history of heart disease or an elevated calcified plaque score from a heart scan should consider CT Angiography.

In addition, current or former smokers, post bypass patients and those who suffer from high blood pressure, high cholesterol, obesity, post obesity or diabetes should consider the procedure.

