

64 Slice Ct Monitors Coronary Artery Health

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64 Slice Ct Monitors Coronary

64-slice CT This technology provides a noninvasive method to visualize the coronary arteries using a small dose of contrast. You will be referred out for this test to a radiology lab. The new 64-slice multidetector CT scanner allows providers to analyze coronary artery lesions as well as blockages that were previously impossible to visualize.

64-slice CT | Heart Vein & Vascular

The 64-slice CT scan provides dramatically detailed images of your coronary arteries and heart in just minutes, and without requiring an invasive and expensive hospital-based cardiac catheterization. Ground-breaking advances in heart imaging technology are now within reach, making possible early and rapid diagnosis of heart disease.

64 Slice CT Scanner Imaging | Heart Care Centers of Illinois

A coronary calcium scan performed using our 64-slice dual-source CT scanner can diagnose coronary artery disease at an early stage by taking precise pictures of the heart. Blocked or clogged blood arteries can be detected without the need of surgery or the injection of tracking fluids.

Coronary Calcium Scan | Cedars-Sinai

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64 Slice Ct Monitors Coronary Artery Health

Stent diameter is the main factor affecting the diagnostic value of 64-slice CT angiography.

CONCLUSION: Our results showed that 64-slice CT angiography has high diagnostic value (both sensitivity and specificity) for detection of coronary in-stent restenosis based on assessable segments when compared to conventional coronary angiography.

Diagnostic accuracy of 64 multislice CT angiography in the ...

Currently 64-multislice computed tomography (MSCT) scanners are the most widely used devices allowing low radiation dose coronary CT angiography (CCTA) with prospective ECG triggering. Latest 128-slice dual-source CT (DSCT) scanners offer prospective high-pitch spiral acquisition covering the heart during one single beat.

Image quality and radiation dose comparison of ...

Recent years have witnessed numerous technological advancements in multidetector-row computed tomography (CT). A generation of CT scanners, termed "64-slice" scanners after the number of detector...

Estimating Cancer Risk from 64-Slice CT Coronary Angiography

Recently, it was found that 64-row multi-slice coronary CT angiography (CCTA) plays an important role in the assessment of coronary artery and coronary stent imaging (5-9).

High-Definition Computed Tomography for Coronary Artery ...

Never heard of 64-slice computed tomography coronary angiography? It's a type of CT scan that gives doctors a detailed look at the coronary arteries, which supply blood to heart muscle. The...

CT Heart Scan Radiation: Cancer Risk? - WebMD

The quality of a CT angiogram or a cardiac CT study depends to a great extent on the appropriate selection of CT data acquisition and contrast medium injection parameters. Image quality (section thickness, noise), radiation exposure, and arterial opacification have all to be taken into account when planning a cardiovascular CT study. All user-

Stanford Cardiovascular CT Scanning and Injection Protocols

A coronary CT angiogram, sometimes called a CCTA, is a cardiac imaging study that is performed on a 64-slice CT scanner. The purpose of a CCTA is to visualize the coronary arteries and assess for narrowing and atherosclerosis.

Heart Center in Charleston, SC | Trident Health System

Technology progressed from single slice CT to 4-, 16- and 64-slice CT and even beyond. Currently, 64-slice CT with gantry rotation times between 330 and 420 ms constitutes the widely accepted minimum requirement for coronary CT angiography. w1-w3 The limited temporal resolution of these CT systems is one of their main limitations.

Cardiac imaging in the patient with chest pain: coronary ...

For this reason, this technique is often called "multi-detector" or "multi-slice" CT scanning. Sand Lake Imaging has a 64-slice multidetector CT, the highest number of detectors available for clinical imaging.

CT Angiography - Sand Lake Imaging - Radiology Centers

The Siemens SOMATOM Sensation 64 is a high-performance 64-slice head and whole-body computed tomography (CT) scanner designed to obtain high-resolution images across a wide range of applications.

Siemens SOMATOM Sensation 64 For Sale, New, Used, Refurbished

Congenital anomalies of coronary arteries: Diagnosis with 64 slice multidetector CT Multidetector row CT is a noninvasive modality in cardiac imaging. It provides superior resolution of coronary tree and its variant. No projectional vascular overlap is seen.

Congenital anomalies of coronary arteries: Diagnosis with ...

We provide access to the most advanced technology and equipment available, including the latest in coronary imaging. We've used the 64-slice CT scanner - the fastest and most accurate diagnostic tool for imaging the coronary arteries - longer than any medical facility in Illinois. What sets us apart:

Coronary Artery Disease Treatment | Advocate Heart ...

To measure how much calcium has accumulated in the coronary arteries, we use a state-of-the-art 64-slice dual-source CT scanner which is many times faster than a conventional CT scanner. Who Should Have a Coronary Calcium Scan?

Coronary Calcium Scan | Cedars-Sinai

Klass O, Walker M, Siebach A, et al. Prospectively gated axial CT coronary angiography: comparison of image quality and effective radiation dose between 64- and 256-slice CT. Eur Radiol . 2010 May

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What are the advantages of 256- and 320-slice CT scanning ...

Developed in 1991, the Elscint CT Twin was the first multislice (MSCT) scanner and had two parallel banks of x-ray detectors to acquire two slices for each gantry rotation. Quickly the technology developed with scanners with four slices, then 16 slices, and current scanners having up to 64 slices and prototype 256-slice detectors in development.

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