

Spiral And Multislice Computed Tomography Of The Body Thieme

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Spiral And Multislice Computed Tomography

Whole body computed tomography has developed at a rapid pace in the past decade, spurred on by the introduction of spiral and multislice scanning. These new technologies have not only improved diagnostic accuracy, but also made new applications possible that were previously accessible only through more complex or invasive techniques.

Spiral and Multislice Computed Tomography of the Body ...

Spiral and Multislice Computed Tomography of the Body. Hardcover – January 1, 2001. by Aart J Prokop, Mathias, and Galanski, Michael, and Van Der Molen (Author) 5.0 out of 5 stars 5 ratings. See all formats and editions.

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Radiology | Spiral and Multislice Computed Tomography of ...

Multislice spiral computed tomography MSCT is a newly emerging non-invasive modality for visualisation of the coronary tree. The high negative predictive values reported by most comparative studies with ICA indicate that MSCT may best be suited for the exclusion of CAD. 9, 11 However, studies have not evaluated this specific indication and no official guidelines for its clinical use exist.

Clinical use of multislice spiral computed tomography in ...

Spiral and multislice computed tomography of the body by Mathias Prokop, Michael Galanski, Cornelia Schaefer-Prokop, Aart J. van der Molen, Aart J. Van Der Molen, 2003, Thieme edition, in English Spiral and multislice computed tomography of the body (2003 edition) | Open Library

Spiral and multislice computed tomography of the body ...

Electron beam computed tomography and single slice and multislice spiral CT angiography (SCTA) have revolutionized the approach to the assessment of patients with suspected PE. With spiral CT, imaging acquisition times and total scan times are dramatically reduced compared to conventional CT, and the pulmonary vascular tree can be investigated in a single breath-hold scan at peak contrast opacification.

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Spiral computed tomography of pulmonary embolism ...

Single-slice and multi-slice Spiral CT. Since its invention by Kalender in the 1980s, helical scan CT machines have steadily increased the number of rows of detectors (slices) they deploy. The prototype 16 multi-slice scanner was introduced in 2001

Operation of computed tomography - Wikipedia

Conventional multislice spiral tomography. The sheep heads were scanned with a Toshiba Aquilion 64-slice scanner ® (Toshiba Medical Systems, Otawara, Japan). After obtaining anterior-posterior and lateral scouts, the field of view (FOV) was decided at the table, as the sizes of the heads were different from each other, ranging from 24 to 32 cm.

Diagnostic accuracy of cone beam computed tomography and ...

5.2.2 Multislice Computed Tomography. Multislice CT (MSCT) is an advancement of single-slice CT (SSCT). The basic idea of MSCT is the use of multiple rows of detectors in conjunction with widening the X-ray beam in the z-direction (slice thickness) to use the X-ray beam more effectively.

Multidetector Computed Tomography - an overview ...

Multidetector computed tomography is also known by a confusing array of other terms such as multidetector CT, multidetector-row computed tomography, multidetector-row CT, multisection CT, multislice computed tomography, and multislice CT.

Definition of Multidetector computed tomography

ients with 73 joints of HA were consecutively selected from January 2016 to May 2018 for this prospective study. All 73 joints were examined by X-ray, CT, and MRI within 2 days. The MRI scores of the joints were determined by the International Prophylaxis Study Group (IPSG) standard. The CT findings were quantified according to the IPSG standard, except for cartilage injury, which was ...

Multislice spiral computed tomography imaging in ...

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Spiral and Multislice Computed Tomography of the Body ...

In multislice computed tomography, the slice thickness is determined by the I. beam with in the Z axis II. pitch III. shape and width of the reconstruction filter ... All of the following affect noise in spiral/helical computed tomography except: Matrix size Detector cell size Beam intensity Beam quality. Detector cell size.

CT (TEST 13) Flashcards | Quizlet

[Value of multislice spiral computed tomography in finding coronary artery lesion in children with Kawasaki disease] Use of MSCT may help better find the lesions of coronary artery, especially those in middle and distant sections as compared to TDE. MSCT is better than TDE in exploring coronary wall calcification and coronary artery stenosis.

[Value of multislice spiral computed tomography in finding ...

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Spiral and Multislice Computed Tomography of the Body ...

Spiral and Multislice Computed Tomography of the Body is a new CT text that addresses techniques as well as anatomy and abnormalities in detail. The book has 1090 pages and contains many excellent images. The editors and coeditors are from The Netherlands, Germany, and Austria. Five contributing editors are also from Germany.

Spiral and Multislice Computed Tomography of the Body ...

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Spiral and Multislice Computed Tomography of the Body by ...

Abstract Background— Multislice spiral computed tomography (MSCT) is a promising technique for

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noninvasive coronary angiography, although clinical application has remained limited because of frequently incomplete interpretability, caused by motion artifacts and calcifications.

Reliable Noninvasive Coronary Angiography With Fast ...

Noninvasive assessment of coronary plaque burden using multislice computed tomography. Am J Cardiol. 2005; 95: 1165-1169. Crossref Medline Google Scholar; 8 Hoffmann MH, Shi H, Manzke R, Schmid FT, De Vries L, Grass M, Brambs HJ, Aschoff AJ. Noninvasive coronary angiography with 16-detector row CT: effect of heart rate. Radiology.

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