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Computed Tomography Fundamentals System Technology

(Radiologic Technology, 1 January 2012) From the Back Cover The book offers a comprehensive and user-oriented description of the theoretical and technical system fundamentals of computed tomography (CT) for a wide readership, from conventional single-slice acquisitions to volume acquisition with multi-slice and cone-beam spiral CT.

Computed Tomography: Fundamentals, System Technology ...

Written by one of the world's leading experts, it offers a comprehensive description of the theoretical and technical system fundamentals of computed tomography (CT) for a wide readership, from conventional single-slice acquisitions to volume acquisition with multi-slice and cone-beam spiral CT.

Computed Tomography: Fundamentals, System Technology ...

The book offers a comprehensive and user-oriented description of the theoretical and technical system fundamentals of computed tomography (CT) for a wide readership, from conventional single-slice acquisitions to volume acquisition with multi-slice and cone-beam spiral CT.

Computed Tomography: Fundamentals, System Technology ...

Computed Tomography: Fundamentals, System Technology, Image Quality, Applications, 3rd Edition. Willi A. Kalender. ISBN: 978-3-89578-317-3. 372 pages. August 2011. Description. The book offers a comprehensive and user-oriented description of the theoretical and technical system fundamentals of computed tomography (CT) for a wide readership, from conventional single-slice acquisitions to volume acquisition with multi-slice and cone-beam spiral CT.

Computed Tomography: Fundamentals, System Technology ...

I.A. Description This book describes the evolution of computed tomography (CT) over four decades, projects into the future concerning new developments, explains the scientific and technological foundations of the imaging methodology, and provides examples of static and dynamic imaging with computed tomography.

Computed Tomography: Fundamentals, System Technology ...

Computed tomography : fundamentals, system technology, image quality, applications | Semantic Scholar. System concepts System components Image reconstruction Spiral CT Multi-slice spiral CT Cone-beam CT Dynamic CT Quantitative CT Dual source CT Dual energy CT Flat detector CT Micro CT Image quality Spatial resolution Contrast Pixel noise Homogeneity Routine and special applications 3D displays Post-processing Quality assurance.

Computed tomography : fundamentals, system technology ...

The book offers a comprehensive and user-oriented description of the theoretical and technical system fundamentals of computed tomography (CT) for a wide readership, from conventional single-slice...

Computed Tomography: Fundamentals, System Technology ...

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The book offers a comprehensive and user-oriented description of the theoretical and technical system fundamentals of computed tomography (CT) for a wide readership, from conventional single-slice acquisitions to volume acquisition with multi-slice and cone-beam spiral CT. It covers in detail all the characteristic parameters relevant for image quality and all performance features significant for clinical application.

Computed Tomography: Fundamentals, System Technology ...

the first X-ray computed tomography system was made in 1972 by Godfrey Newbold Hounsfield (Nobel prize winner in 1979 for Physiology and Medicine), who constructed the prototype of the first medical CT scanner and is considered the father of computed tomography. CT was introduced into clinical practice into 1971 with a scan of a cystic

Introduction to computed tomography

Computed Tomography: Fundamentals, System Technology, Image Quality, Applications [Kalender, Willi A.] on Amazon.com.au. *FREE* shipping on eligible orders. Computed ...

Computed Tomography: Fundamentals, System Technology ...

Assessment: Computed Tomography covers a broad range of fundamental, technology, and application topics from the perspective of both biomedical engineering and physics. This compact book is enhanced by the CD, which brings to life the power of CT. Although the typeset is small, the images and instructive illustrations make the book very readable.

Computed Tomography: Fundamentals, System Technology ...

Written by one of the world's leading experts, it offers a comprehensive description of the theoretical and technical system fundamentals of computed tomography (CT) for a wide readership, from conventional single-slice acquisitions to volume acquisition with multi-slice and cone-beam spiral CT.

Computed Tomography. Fundamentals, System Technology ...

The present invention provides stationary CT architecture for imaging at a faster temporal resolution and lower radiation dose. In embodiments, the architecture features stationary distributed...

WO2014047518A1 - Stationary source computed tomography and ...

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Computed Tomography: Fundamentals, System Technology ...

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The book offers a comprehensive and user-oriented description of the theoretical and technical system fundamentals of computed tomography (CT) for a wide readership, from conventional single-slice acquisitions to volume acquisition with multi-slice and cone-beam spiral CT.