



Spiral and Multislice Computed Tomography of the Body

By Mathias Prokop, Michael Galanski

[Download now](#)

[Read Online](#) 

Spiral and Multislice Computed Tomography of the Body By Mathias Prokop, Michael Galanski

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. This new book expertly fills a gap in the literature by combining the practically relevant technical background with the clinical information required for correctly performing and interpreting CT examinations. The book presents the state-of-the-art capabilities and requirements of CT as a key diagnostic and interventional tool, with special emphasis on the role of spiral and multi-slice CT. You will find a thorough introduction to CT technology from scanner design to 3D image reconstruction, useful practical hints on how to optimize your examination protocols and how to keep the radiation exposure of your patients to a minimum, as well as an extensive clinical section in which symptoms, pathology and CT morphology are integrated to provide you with the basis for subtle interpretation of CT findings using the most modern CT techniques. Highlights include:- Full coverage of single-slice, 4-slice and 16-slice scanning techniques- Introduction to extended CT applications including cardiac CT, CT fluoroscopy, and 3D image processing- Organ-specific protocols for scanning and contrast administration- Practical guidelines for maximizing image quality and minimizing radiation exposure- Useful suggestions for image interpretation and for avoiding pitfalls and errors- Convenient format by organ system and disease entity- Full discussion of organ-specific pathology and CT morphology- CT indications integrated with other imaging modalities At a time when CT examinations are becoming more technically demanding and complex, with an increasing number of scan parameters and advances in 3D reconstructions, this book is an essential professional tool. Experienced practitioners will find their diagnostic and technical skills improved by reading the book, and beginners will enjoy the clear, systematic approach that will help them use the technique with confidence.

 [Download Spiral and Multislice Computed Tomography of the B ...pdf](#)

 [Read Online Spiral and Multislice Computed Tomography of the ...pdf](#)

Spiral and Multislice Computed Tomography of the Body

By Mathias Prokop, Michael Galanski

Spiral and Multislice Computed Tomography of the Body By Mathias Prokop, Michael Galanski

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. This new book expertly fills a gap in the literature by combining the practically relevant technical background with the clinical information required for correctly performing and interpreting CT examinations. The book presents the state-of-the-art capabilities and requirements of CT as a key diagnostic and interventional tool, with special emphasis on the role of spiral and multi-slice CT. You will find a thorough introduction to CT technology from scanner design to 3D image reconstruction, useful practical hints on how to optimize your examination protocols and how to keep the radiation exposure of your patients to a minimum, as well as an extensive clinical section in which symptoms, pathology and CT morphology are integrated to provide you with the basis for subtle interpretation of CT findings using the most modern CT techniques. Highlights include:- Full coverage of single-slice, 4-slice and 16-slice scanning techniques- Introduction to extended CT applications including cardiac CT, CT fluoroscopy, and 3D image processing- Organ-specific protocols for scanning and contrast administration- Practical guidelines for maximizing image quality and minimizing radiation exposure- Useful suggestions for image interpretation and for avoiding pitfalls and errors- Convenient format by organ system and disease entity- Full discussion of organ-specific pathology and CT morphology- CT indications integrated with other imaging modalities At a time when CT examinations are becoming more technically demanding and complex, with an increasing number of scan parameters and advances in 3D reconstructions, this book is an essential professional tool. Experienced practitioners will find their diagnostic and technical skills improved by reading the book, and beginners will enjoy the clear, systematic approach that will help them use the technique with confidence.

Spiral and Multislice Computed Tomography of the Body By Mathias Prokop, Michael Galanski

Bibliography

- Rank: #969772 in eBooks
- Published on: 2003-01-01
- Released on: 2003-01-01
- Format: Kindle eBook



[Download Spiral and Multislice Computed Tomography of the B ...pdf](#)



[Read Online Spiral and Multislice Computed Tomography of the ...pdf](#)

Download and Read Free Online Spiral and Multislice Computed Tomography of the Body By Mathias Prokop, Michael Galanski

Editorial Review

Review

This...lavishly illustrated book expertly fills a gap in the literature by combining practical and relevant technical background (including protocols) and image interpretation obtained by spiral and multi-slice CT scanners. A convenient format, organized by organ system and disease entities, is supplemented by tables of key imaging features, differential diagnosis, and tumor staging, and makes it easy to read. Unique features of this book are suggestions for image interpretation, avoiding pitfalls and errors, along with the integration of other imaging modalities. Picture quality in each section is superb. This book is an excellent tool for experienced clinicians as it is for residents in training. This book will help to enhance diagnostic and technical skills as well as thoroughly familiarize the reader with all facets of CT scanning...an outstanding reference and an encyclopedic overview of clinical CT.--Academic Radiology'Excellent quality axial images along with reformatted images provide a new insight into many diseases...cardiac and vascular imaging sections are unparalleled in their cutting-edge applications of multislice CT...tables are extremely helpful. Layout of the book and each chapter is set up for easy reading and referencing...well-defined index is provided at the back of the book with page references in bold type provided where illustrations are located ...illustrations are so vivid and the 3D reconstructions are of such excellent quality, that a quick glance at one of these is all that is needed...I would highly recommend this book for any department working with multislice scanners. The information provided on each topic is brief, readable, and all in one volume, which is convenient for busy practice.' --Abdominal Imaging'An excellent, well-updated comprehensive radiology book for general radiologists and residents in radiology...particularly important...well-done...high expertise. Without any question, this well-written book can be recommended to the complete radiology community and should be on the shelves in all radiological reporting rooms.' --European Journal of Radiology'The reading of this book, will results, without any doubt, in an enrichment of our knowledge of CT and the body...each chapter is enriched by tables, always very useful...significant quality of the images...book reaches its objective by providing the book on CT of the body to which all those dedicated to imaging should refer...enhanced by 53 pages of up-to-date references...a success...one must thank the authors for such an excellent tool.' --Clinical ImagingThis new textbook provides a practical and updated guide to CT of the body. The text is an excellent learning tool for technologists, radiologists, and residents... CT technologists can use the text to set imaging guidelines, and establish or update department protocols in accordance with the latest CT technology... A great companion for technologists studying for the CT boards. - ADVANCE for Imaging and Radiation Therapy ProfessionalsRadiologists should cheer this publication ... Prokop's book will thoroughly familiarize the reader with the many parameters to be chosen with multislice scanners, and offers practical suggestions and protocols for image acquisition. In short, this single volume is an outstanding reference and may be unique in combining a state-of-art technical reference with an encyclopedic overview of clinical CT. - AuntMinnie'The book is well structured, from the first to the last chapter, and both the experienced general diagnostic radiologists and the resident or fellow who is searching for information will enjoy the readily comprehensible text. ..this book discusses the full clinical spectrum of body CT. The result of this tremendous effort is an excellent general textbook on body CT for a resident, fellow, and practicing radiologists. ..offers a clear set of guidelines for planning, p

From the Back Cover

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.

This new book expertly fills a gap in the literature by combining the practically relevant technical background with the clinical information required for correctly performing and interpreting CT examinations. The book presents the state-of-the-art capabilities and requirements of CT as a key diagnostic and interventional tool, with special emphasis on the role of spiral and multi-slice CT.

You will find a thorough introduction to CT technology from scanner design to 3D image reconstruction, useful practical hints on how to optimize your examination protocols and how to keep the radiation exposure of your patients to a minimum, as well as an extensive clinical section in which symptoms, pathology and CT morphology are integrated to provide you with the basis for subtle interpretation of CT findings using the most modern CT techniques.

Highlights include:

- Full coverage of single-slice, 4-slice and 16-slice scanning techniques
- Introduction to extended CT applications including cardiac CT, CT fluoroscopy, and 3D image processing
- Organ-specific protocols for scanning and contrast administration
- Practical guidelines for maximizing image quality and minimizing radiation exposure
- Useful suggestions for image interpretation and for avoiding pitfalls and errors
- Convenient format by organ system and disease entity
- Full discussion of organ-specific pathology and CT morphology
- CT indications integrated with other imaging modalities

At a time when CT examinations are becoming more technically demanding and complex, with an increasing number of scan parameters and advances in 3D reconstructions, this book is an essential professional tool. Experienced practitioners will find their diagnostic and technical skills improved by reading the book, and beginners will enjoy the clear, systematic approach that will help them use the technique with confidence.

Users Review

From reader reviews:

Mike Hodges:

Spiral and Multislice Computed Tomography of the Body can be one of your beginner books that are good idea. Many of us recommend that straight away because this guide has good vocabulary that could increase your knowledge in vocab, easy to understand, bit entertaining but still delivering the information. The article author giving his/her effort to put every word into delight arrangement in writing Spiral and Multislice Computed Tomography of the Body however doesn't forget the main point, giving the reader the hottest along with based confirm resource info that maybe you can be one among it. This great information can drawn you into completely new stage of crucial thinking.

Barbara Fontenot:

Many people spending their moment by playing outside together with friends, fun activity having family or just watching TV the whole day. You can have new activity to invest your whole day by examining a book. Ugh, do you think reading a book can really hard because you have to bring the book everywhere? It okay

you can have the e-book, getting everywhere you want in your Smart phone. Like Spiral and Multislice Computed Tomography of the Body which is having the e-book version. So , try out this book? Let's notice.

Carol Ratliff:

Don't be worry in case you are afraid that this book will probably filled the space in your house, you will get it in e-book way, more simple and reachable. This kind of Spiral and Multislice Computed Tomography of the Body can give you a lot of buddies because by you investigating this one book you have issue that they don't and make you more like an interesting person. This specific book can be one of one step for you to get success. This reserve offer you information that possibly your friend doesn't recognize, by knowing more than other make you to be great individuals. So , why hesitate? We need to have Spiral and Multislice Computed Tomography of the Body.

Eugene Ruano:

As we know that book is very important thing to add our expertise for everything. By a book we can know everything you want. A book is a list of written, printed, illustrated or maybe blank sheet. Every year was exactly added. This guide Spiral and Multislice Computed Tomography of the Body was filled with regards to science. Spend your spare time to add your knowledge about your scientific disciplines competence. Some people has distinct feel when they reading a book. If you know how big good thing about a book, you can truly feel enjoy to read a reserve. In the modern era like today, many ways to get book which you wanted.

**Download and Read Online Spiral and Multislice Computed Tomography of the Body By Mathias Prokop, Michael Galanski
#XP5Q2RKU8OH**

Read Spiral and Multislice Computed Tomography of the Body By Mathias Prokop, Michael Galanski for online ebook

Spiral and Multislice Computed Tomography of the Body By Mathias Prokop, Michael Galanski Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Spiral and Multislice Computed Tomography of the Body By Mathias Prokop, Michael Galanski books to read online.

Online Spiral and Multislice Computed Tomography of the Body By Mathias Prokop, Michael Galanski ebook PDF download

Spiral and Multislice Computed Tomography of the Body By Mathias Prokop, Michael Galanski Doc

Spiral and Multislice Computed Tomography of the Body By Mathias Prokop, Michael Galanski Mobipocket

Spiral and Multislice Computed Tomography of the Body By Mathias Prokop, Michael Galanski EPub