



The Physics of Clinical MR Taught Through Images

By Val M. Runge, Wolfgang R. Nitz

Download now

Read Online 

The Physics of Clinical MR Taught Through Images By Val M. Runge, Wolfgang R. Nitz

Award Winner, RSNA 2009!

This lavishly illustrated book uses high-quality images to present a practical guide to the physics of magnetic resonance. Written by internationally renowned authors, the book places an emphasis on learning visually through images of real cases rather than through mathematical equations and provides the fundamental information needed to achieve the best images in everyday clinical practice. This edition features new images and incorporates information on the latest technical advances in the field, discussing such important topics as 3 T, specific absorption rate (SAR), arterial spin labeling, continuous moving table MR, and time-resolved contrast enhanced MR angiography.

Highlights:

- Concise chapters make difficult concepts easy to digest
- 400 high-quality images and illustrations demonstrate key concepts

This book is a valuable reference for radiologists and an excellent resource for residents preparing for board examinations. It is also ideal for MR technologists and students seeking to fully understand the basic principles underlying this important diagnostic tool.

The Physics of Clinical MR Taught Through Images

By Val M. Runge, Wolfgang R. Nitz

The Physics of Clinical MR Taught Through Images By Val M. Runge, Wolfgang R. Nitz

Award Winner, RSNA 2009!

This lavishly illustrated book uses high-quality images to present a practical guide to the physics of magnetic resonance. Written by internationally renowned authors, the book places an emphasis on learning visually through images of real cases rather than through mathematical equations and provides the fundamental information needed to achieve the best images in everyday clinical practice. This edition features new images and incorporates information on the latest technical advances in the field, discussing such important topics as 3 T, specific absorption rate (SAR), arterial spin labeling, continuous moving table MR, and time-resolved contrast enhanced MR angiography.

Highlights:

- Concise chapters make difficult concepts easy to digest
- 400 high-quality images and illustrations demonstrate key concepts

This book is a valuable reference for radiologists and an excellent resource for residents preparing for board examinations. It is also ideal for MR technologists and students seeking to fully understand the basic principles underlying this important diagnostic tool.

Download and Read Free Online The Physics of Clinical MR Taught Through Images By Val M. Runge, Wolfgang R. Nitz

Editorial Review

Review

A practical approach to MR physics that helps...increase...diagnostic effectiveness...This reference will benefit all practitioners who need to increase their working knowledge..It fills an important gap in the literature. -- The Neuroradiology JournalRecommended...The images are of high quality. The physics chapters are succinct and to the point, easy to understand, and of clinical relevance...this book offers a solid, easily understandable introduction to the world of 3T imaging that can be read in a few hours...a useful tool for radiologists, technologists, and managers.--American Journal of NeuroradiologyThis slim volume of just over 200 pages is packed with a wealth of information on clinical MRI. ..It is a guide to the technology of MR image generation based on a detailed examination of a comprehensive set of images. In the text, primacy is given to the image and any physics content is directed at the elucidation of the issues depicted in the images. The format of the book would appeal to those who like their information in bite-sized portions. Each topic is covered in roughly two pages - one for the text and one for images. The images are judiciously selected, of a high quality and are well annotated. If it is true that a picture is worth a thousand words then this book is a treasure trove and well worth the modest cost price. The method of presentation of the material is designed to produce a high impact and would be particularly suitable for revision studies and as an aid to teaching MR technology. It would also be an invaluable reference work at the MR console for image correlation purposes.--RAD MagazineAs a portable second edition paperback, this text is extremely user-friendly from the first chapter through the 110th...This resource aims to teach MRI physics through images and it accomplishes this goal with the well-detailed and extremely relevant images and diagrams provided...This reference has it all in one easy-to-read format. It completely covers all aspects of MRI from physics to safety to future advancements. Even cardiac imaging and MR mammography are included. After reading this book, it is no surprise that it was a best-seller at RSNA, as well as an award winner. This book would be an asset to any person, in any position who is interested not only in learning about MRI, but in understanding it, as well.--ADVANCE for Imaging and Radiation Therapy ProfessionalsThe authors have done an excellent job, approaching their task by making full use of images and thus making the book ideal for those who are used to looking at images. This combination of text and images will be useful and very educational for radiologists (and even scientists!) who read MR studies. This is an educational book of the utmost relevance!--European Journal of Nuclear Medicine and Molecular ImagingThe text is concise and easy to understand...presents many helpful examples...a clear and concise review of MR imaging applications.--RadiologyClear, concise descriptions of each topic...the scope...is impressive...useful demonstrations of how inherent properties of tissues being imaged, instrumental variations, and timing of the pulse sequences can substantially change MR images.--Doody's ReviewConcise yet easily digestible language...the ideal reference book for quick review of each topic...the content of the book is impressive...the index is comprehensive and is one of the strengths of this book...new and improved images...particularly useful...recommended for every MRI department.--RAD Magazine

From the Back Cover

Award Winner, RSNA 2009!

This lavishly illustrated book uses high-quality images to present a practical guide to the physics of magnetic resonance. Written by internationally renowned authors, the book places an emphasis on learning visually through images of real cases rather than through mathematical equations and provides the fundamental information needed to achieve the best images in everyday clinical practice. This edition features new

images and incorporates information on the latest technical advances in the field, discussing such important topics as 3 T, specific absorption rate (SAR), arterial spin labeling, continuous moving table MR, and time-resolved contrast enhanced MR angiography.

Highlights:

- Concise chapters make difficult concepts easy to digest
- 400 high-quality images and illustrations demonstrate key concepts

This book is a valuable reference for radiologists and an excellent resource for residents preparing for board examinations. It is also ideal for MR technologists and students seeking to fully understand the basic principles underlying this important diagnostic tool.

About the Author

John Sealy Distinguished Chair in Radiology; Professor and Chair; Department of Radiology; The University of Texas Medical Branch (UTMB); Galveston, TX, USA

Users Review

From reader reviews:

Miles Towles:

In other case, little individuals like to read book The Physics of Clinical MR Taught Through Images. You can choose the best book if you want reading a book. Providing we know about how is important some sort of book The Physics of Clinical MR Taught Through Images. You can add expertise and of course you can around the world by just a book. Absolutely right, simply because from book you can recognize everything! From your country till foreign or abroad you may be known. About simple point until wonderful thing you may know that. In this era, you can open a book or even searching by internet gadget. It is called e-book. You can use it when you feel bored stiff to go to the library. Let's examine.

Jesus Thresher:

What do you concerning book? It is not important with you? Or just adding material when you need something to explain what you problem? How about your time? Or are you busy man? If you don't have spare time to accomplish others business, it is gives you the sense of being bored faster. And you have spare time? What did you do? Every individual has many questions above. The doctor has to answer that question due to the fact just their can do which. It said that about e-book. Book is familiar in each person. Yes, it is correct. Because start from on pre-school until university need this The Physics of Clinical MR Taught Through Images to read.

Daniel Nelson:

The Physics of Clinical MR Taught Through Images can be one of your starter books that are good idea. All of us recommend that straight away because this guide has good vocabulary that may increase your knowledge in words, easy to understand, bit entertaining but delivering the information. The copy writer giving his/her effort to place every word into satisfaction arrangement in writing The Physics of Clinical MR

Taught Through Images nevertheless doesn't forget the main position, giving the reader the hottest as well as based confirm resource info that maybe you can be one among it. This great information may drawn you into new stage of crucial thinking.

Faye Bolin:

In this time globalization it is important to someone to receive information. The information will make a professional understand the condition of the world. The condition of the world makes the information quicker to share. You can find a lot of references to get information example: internet, paper, book, and soon. You can see that now, a lot of publisher this print many kinds of book. The actual book that recommended to your account is The Physics of Clinical MR Taught Through Images this reserve consist a lot of the information with the condition of this world now. This kind of book was represented how do the world has grown up. The vocabulary styles that writer value to explain it is easy to understand. Often the writer made some research when he makes this book. Here is why this book ideal all of you.

**Download and Read Online The Physics of Clinical MR Taught
Through Images By Val M. Runge, Wolfgang R. Nitz
#DFATMVP2H8O**

Read The Physics of Clinical MR Taught Through Images By Val M. Runge, Wolfgang R. Nitz for online ebook

The Physics of Clinical MR Taught Through Images By Val M. Runge, Wolfgang R. Nitz 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 The Physics of Clinical MR Taught Through Images By Val M. Runge, Wolfgang R. Nitz books to read online.

Online The Physics of Clinical MR Taught Through Images By Val M. Runge, Wolfgang R. Nitz ebook PDF download

The Physics of Clinical MR Taught Through Images By Val M. Runge, Wolfgang R. Nitz Doc

The Physics of Clinical MR Taught Through Images By Val M. Runge, Wolfgang R. Nitz Mobipocket

The Physics of Clinical MR Taught Through Images By Val M. Runge, Wolfgang R. Nitz EPub

DFATMVP2H8O: The Physics of Clinical MR Taught Through Images By Val M. Runge, Wolfgang R. Nitz