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## ***Mri Software Manual In Real Estate Industry***

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with binder (ISBN 9780115601439)

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Over the past decade, PET-CT has achieved great success owing to its ability to simultaneously image structure and function, and show how the two are related. More recently, PET-MRI has also been developed, and it represents an

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exciting novel option that promises to have applications in oncology as well as neurology. The first part of this book discusses the basics of these dual-modality techniques, including the scanners themselves, radiotracers, scan performance,

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quantitation, and scan interpretation. As a result, the reader will learn how to perform the techniques to maximum benefit. The second part of the book then presents in detail the PET-CT and PET-MRI findings in cancers of the

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different body systems. The final two chapters address the use of PET/CT in radiotherapy planning and examine areas of controversy. The authors are world-renowned experts from North America, Europe, and Australia, and the lucid text is

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complemented by numerous high-quality illustrations.

This text encompass an up-to-date, comprehensive review of the state-of-the-art for gland preserving therapies. Fully updated and revised, this text evaluates the

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scientific evidence for the evolving trend to treat intermediate risk, clinically localized prostate cancer in a focally ablative manner with novel gland-preserving, focal therapy methods. Various ablative devices such as high intensity

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focused ultrasound, irreversible electroporation, photodynamic therapy, cryotherapy and laser ablation, among others, is discussed in regard to their strengths and limitations as a therapeutic modality. Emphasis is placed on



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patient selection and outcomes utilizing both advanced imaging techniques and pathologic evaluation. Current and new approaches to image cancer foci within the prostate (multiparametric ultrasonography, multiparametric

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magnetic resonance image, etc) are presented along with various biopsy techniques, including robotics to map prostate cancer. Patient selection based on imaging and genomic classification, adjuvants to enhance therapy, treatment strategy

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outcomes and patient centered concerns is discussed, providing an acceptable balance between cancer control and improved quality of life for patients. Written by experts in the field and lavishly illustrated with detailed line-art and photographs,

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Imaging and Focal Therapy of Early Prostate Cancer, Second Edition is designed as a comprehensive resource for urologists, radiation oncologists, medical oncologists, radiologists, uropathologists, molecular biologists, biomedical

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engineers, other clinicians -- residents, fellows, nurses and allied professionals -- and researchers with an interest in the diagnosis and novel treatment of prostate cancer. It will provide insight into the latest research and clinical applications of

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image-guided diagnosis and minimally invasive focal, gland-preserving treatment for prostate cancer.

Extensively rewritten and expanded, this new second edition remains the most thorough, practical, and

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economical introductory guide to both the principles and the clinical applications of MRI. It offers comprehensive yet concise coverage of all aspects of MR physics and technology, plus complete discussions of clinical aspects -- all

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with an informal and direct writing style for ease of use. A conveniently-sized paperback, it serves triple duty as an introductory text, a day-to-day manual, and a handy reference for those new to the field of MR, as well as for those who need an update on



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recent developments in technology and practice. Includes more than 600 high-quality illustrations and MR scans to enhance descriptions of clinical aspects of MRI. Highlights the effects of MR physics and technology on imaging throughout --

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a topic often left uncovered in most introductory MR texts. Describes normal MR appearances of organs at different pulse sequences for ease of comparison. Presents imaging strategies and protocols for each disease process, including

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recommended pulse sequences, use of surface coils, and MR contrast agents. 27077 Provides a comparative look at the diagnostic advantages and disadvantages of MR versus other modalities in similar situations. Offers complete

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coverage of MR technique and preparation, with special emphasis on the pediatric patient Discusses the role of MRI in staging tumors, assisting the reader with this often difficult process.

A Textbook Of: SPECT in

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Neurology and Psychiatry  
Handbook of Functional MRI Data  
Analysis  
Forensic, Technical, and Ethical  
Aspects  
West's federal supplement. [First  
Series.]

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Total Knee Arthroplasty  
Methods and Protocols  
This book constitutes the  
thoroughly refereed  
proceedings of the 8th  
International Workshop on  
Computational Processing of

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the Portuguese Language, PROPOR 2012, held in Coimbra, Portugal in April 2012. The 24 revised full papers and 23 revised short papers presented were carefully reviewed and selected from 86 submissions.

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These papers cover the areas related to phonology, morphology and POS-Tagging, acquisition, language resources, linguistic description, syntax and parsing, semantics, opinion



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analysis, natural language processing applications, speech production and phonetics, speech resources, speech processing and applications.

Separation distinction between

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the roles of the producer and consumer has become blurred with the development of new science and technologies enabling the emergence of the prosumer, or the active consumer. In the IT sector, the

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role of the end-user has broadened to include innovation and development practices in addition to the traditional consumer activities. As such, businesses must create opportunities for

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product development and innovation by the consumers. Frameworks of IT Prosumption for Business Development investigates the latest empirical research on active use of information technology

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resources, enabling users with new methodologies, tools, and opportunities to impact application development processes. The objective of this reference book is to mobilize end-users to take a more

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active role in their own IT solutions, which will in turn assist in the development of best practices in IT at all levels. Over the past three decades, the exploding number of new technologies and applications

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introduced in medical practice, often powered by advances in biosignal processing and biomedical imaging, created an amazing account of new possibilities for diagnosis and therapy, but also raised major

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questions of appropriateness and safety. The accelerated development in this field, alongside with the promotion of electronic health care solutions, is often on the basis of an uncontrolled diffusion



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and use of medical technology. The emergence and use of medical devices is multiplied rapidly and today there exist more than one million different products available on the world market. Despite the fact that

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the rising cost of health care, partly resulting from the new emerging technological applications, forms the most serious and urgent problem for many governments today, another important concern is

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that of patient safety and user protection, issues that should never be compromised and expelled from the Biomedical Engineering research practice agenda.

Written by internationally

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renowned authors, this title is an invaluable reference for all those required to report on MR examinations, with accurate cancer staging aided by the extensive use of high quality MR images of pelvic cancer.

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Each chapter gives a short account of every disease and a set of images demonstrating the tumour, node and metastasis stages, based on the 2010 UICC/AJCC staging system.

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Preclinical MRI of the Kidney  
MRI from Picture to Proton  
Frameworks of IT Prosumption  
for Business Development  
10th International Conference,  
PROPOR 2012, Coimbra,  
Portugal, April 17-20, 2012,

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Proceedings

Quantitative MRI Analysis of  
Human Brain Development  
Following Pre and Perinatal  
Brain Injury

MRI Made Easy

**MRI from Picture to**

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**Proton presents the  
basics of MR practice and  
theory in a unique way:  
backwards! The subject is  
approached just as a new  
MR practitioner would  
encounter MRI: starting**

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**from the images,  
equipment and scanning  
protocols, rather than  
pages of physics theory.  
The reader is brought  
face-to-face with issues  
pertinent to practice**

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**immediately, filling in the theoretical background as their experience of scanning grows. Key ideas are introduced in an intuitive manner which is faithful to the underlying**

**physics but avoids the  
need for difficult or  
distracting mathematics.  
Additional explanations  
for the more technically  
inquisitive are given in  
optional secondary text**

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**boxes. The new edition is fully up-dated to reflect the most recent advances, and includes a new chapter on parallel imaging. Informal in style and informed in content,**

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effective communicators  
of MR, this is an essential  
text for the student of  
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**open access protocol  
collection and wide-  
ranging  
recommendations for  
preclinical renal MRI  
used in translational  
research. The chapters in**

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**this book are  
interdisciplinary in  
nature and bridge the  
gaps between physics,  
physiology, and medicine.  
They are designed to  
enhance training in renal**

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**MRI sciences and  
improve the  
reproducibility of renal  
imaging research.  
Chapters provide  
guidance for exploring,  
using and developing**



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your laboratory as a  
unique tool for advanced  
in vivo phenotyping,  
diagnostic imaging, and  
research into potential  
new therapies. Written in**

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introductions to their  
respective topics, lists of  
the necessary materials**

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**of the Kidney: Methods  
and Protocols is a  
valuable resource and will  
be of importance to  
anyone interested in the  
preclinical aspect of renal  
and cardiorenal diseases**

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**in the fields of  
physiology, nephrology,  
radiology, and cardiology.  
This publication is based  
upon work from COST  
Action PARENCHIMA,  
supported by European**

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**Cooperation in Science  
and Technology (COST).  
COST ([www.cost.eu](http://www.cost.eu)) is a  
funding agency for  
research and innovation  
networks. COST Actions  
help connect research**

**initiatives across Europe  
and enable scientists to  
grow their ideas by  
sharing them with their  
peers. This boosts their  
research, career and  
innovation.**

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**PARENCHIMA**

**(renalMRI.org) is a  
community-driven Action  
in the COST program of  
the European Union,  
which unites more than  
200 experts in renal MRI**

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**from 30 countries with  
the aim to improve the  
reproducibility and  
standardization of renal  
MRI biomarkers.**

**The popular QUESTIONS  
AND ANSWERS IN**

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**MAGNETIC RESONANCE  
IMAGING is thoroughly  
revised and updated to  
reflect the latest  
advances in MRI  
technology. Four new  
chapters explain recent**

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**developments in the field  
in the traditional  
question and short  
answer format. This clear,  
concise and informative  
text discusses hundreds  
of the most common**

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**questions about MRI, as well as some challenging questions for seasoned MRI specialists.**

**This document brings together a set of latest data points and publicly**

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**available information  
relevant for Platforms &  
Applications Industry. We  
are very excited to share  
this content and believe  
that readers will benefit  
from this periodic**

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**publication immensely.  
Quality Assurance in the  
Pathology Laboratory  
Government financial  
reporting manual  
2010-11  
PET-CT and PET-MRI in**

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**Oncology  
Medicine Meets Virtual  
Reality 12  
T-Byte Platforms &  
Applications  
8th International  
Conference, AVR 2021,**

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**Virtual Event, September  
7-10, 2021, Proceedings**

Veterinary Anesthetic and Monitoring Equipment is the first veterinary-specific resource solely dedicated to anesthetic and monitoring equipment used in clinical practice. Offers a



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practical guide to anesthetic and monitoring equipment commonly used in veterinary medicine Provides clinically oriented guidance to troubleshooting problems that may occur Discusses general principles applicable to any equipment found in the practice Presents information

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associated with novel anesthetic equipment and monitors

This book presents selected papers from the International Conference on Emerging Research in Computing, Information, Communication and Applications, ERCICA 2018. The conference provided an

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interdisciplinary forum for researchers, professional engineers and scientists, educators, and technologists to discuss, debate and promote research and technology in the emerging areas of computing, information, communication and their applications. The book discusses these research areas,

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providing a valuable resource for researchers and practicing engineers alike.

Health systems should function in such a way that the amount of inappropriate care is minimized, while at the same time stinting as little as possible on appropriate and necessary care. The

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ability to determine and identify which care is overused and which is underused is essential to this functioning. To this end, the "RAND/UCLA Appropriateness Method" was developed in the 1980s. It has been further developed and refined in North America and, increasingly, in Europe.

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The rationale behind the method is that randomized clinical trials--the "gold standard" for evidence-based medicine--are generally either not available or cannot provide evidence at a level of detail sufficient to apply to the wide range of patients seen in everyday clinical practice. Although robust

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scientific evidence about the benefits of many procedures is lacking, physicians must nonetheless make decisions every day about when to use them.

Consequently, a method was developed that combined the best available scientific evidence with the collective judgment of experts to yield a statement

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regarding the appropriateness of performing a procedure at the level of patient-specific symptoms, medical history, and test results. This manual presents step-by-step guidelines for conceptualising, designing, and carrying out a study of the appropriateness of medical or surgical procedures (for



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either diagnosis or treatment) using the RAND/UCLA Appropriateness Method. The manual distills the experience of many researchers in North America and Europe and presents current (as of the year 2000) thinking on the subject. Although the manual is self-contained and complete, the authors do not

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recommend that those unfamiliar with the RAND/UCLA Appropriateness Method independently conduct an appropriateness study; instead, they suggest "seeing one" before "doing one." To this end, contact information is provided to assist potential users of the method.

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This practical guide offers an accessible introduction to the principles of MRI physics. Each chapter explains the why and how behind MRI physics. Readers will understand how altering MRI parameters will have many different consequences for image quality and the speed in which images are generated.

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Practical topics, selected for their value to clinical practice, include progressive changes in key MRI parameters, imaging time, and signal to noise ratio. A wealth of high quality illustrations, complemented by concise text, enables readers to gain a thorough understanding of the subject without

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**Control Research -- Virtual  
Vision Loss Simulator --  
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Environments -- A Preliminary**

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**Study of Presence in Virtual  
Reality Training Simulation for  
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System with Intuitive User  
Interface for Manipulation and  
Visualization of 3D Medical  
Data -- A Haptic Surgical**

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**Simulator for the Continuous  
Curvilinear Capsulorhexis  
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Tissue Cutting with Scissors --  
Increasing face validity of a  
vascular interventional**

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**training system -- An  
Endoscopic Sinus Surgery  
Training System for  
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Acquiring Laparoscopic  
Manipulative Skills: A Virtual  
Tissue Dissection Training**

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**Module -- Novel Force  
Resolver Designs for a Haptic  
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Index  
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resonance imaging (fMRI) has  
become the most popular**

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provides a comprehensive  
and practical introduction to  
the methods used for fMRI  
data analysis. Using minimal**

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**jargon, this book explains the concepts behind processing fMRI data, focusing on the techniques that are most commonly used in the field. This book provides background about the**

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**methods employed by  
common data analysis  
packages including FSL, SPM  
and AFNI. Some of the newest  
cutting-edge techniques,  
including pattern  
classification analysis,**

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**connectivity modeling and  
resting state network analysis,  
are also discussed. Readers  
of this book, whether  
newcomers to the field or  
experienced researchers, will  
obtain a deep and effective**



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**knowledge of how to employ  
fMRI analysis to ask scientific  
questions and become more  
sophisticated users of fMRI  
analysis software.**

**Quality refers to the amount of  
the unpriced attributes**

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**contained in each unit of the  
priced attribute. Leffler,  
1982 Quality is neither mind  
nor matter, but a third entity  
independent of the two, even  
though Quality cannot be  
defined, you know what it**

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**is. Pirsig, 2000** The continuous  
formulation of good practices  
and procedures across fields  
reflects t

**Positioning in MRI is a clinical  
manual about the creation of  
magnetic resonance images.**

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**This manual focuses upon patient positioning and image planning. The manual is organised by body region and provides valuable insight into - Patient pathology on MRI. Considerations when**

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**positioning both the patient  
and coil. Imaging planes.  
Anatomical image alignment.  
This manual is a  
comprehensive highly visual  
reference to the planning and  
positioning of patients and**

**coils in MR imaging. High quality imaging specific to patient pathology is encouraged through the focus on 'considerations' specific to coil and patient placement and imaging plane selection.**

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**Over 200 MR images  
Formulaic internal design  
assist use as clinical manual  
to MRI planning Evidence  
base provided where  
appropriate (cranial  
neurology) Image selection –**

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underpin good positioning  
and anatomical coverage  
Explores positioning of  
patient and coils specific to  
individual treatment  
requirements Evolve website**



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**– image collection (over 200  
MR images) and additional  
case studies**

**Totally Accessible MRI  
Reference Manual for  
Magnetic Resonance Safety,  
Implants, and Devices**

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**Planning and Positioning in  
MRI - E-Book**

**MRI Manual of Pelvic Cancer  
Veterinary Anesthetic and  
Monitoring Equipment  
A Practical Guide**

*Packed with information on*

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*the practical aspects of  
MRI, this user-friendly  
text covers everything  
from advice on optimal  
positioning of patients to  
recommendations for  
setting the appropriate*

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*scanning parameters. Each consistently organized chapter follows the chronology of a standard procedure - the authors present essential information on preparation*

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*and necessary materials first. Then they skilfully guide the readers through special considerations in positioning and coil selection, protocols for conducting the exam,*

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sequences, and possible  
modifications. Numerous  
tips, tricks, and pointers  
explain how to avoid  
potential  
complications. Highlights*

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*of the second edition: 340  
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anatomical drawings New  
and expanded sections on  
MR angiography of  
pulmonary arteries and  
pelvic and leg vessels;*

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Information on the latest  
protocols for MR  
urography,  
cholangiography, and  
colonography Consistent*



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maximum accessibility on  
the job and at the MRI  
workstation Each section  
contains plenty of space  
on each page for personal  
notes A guide to the most*

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is an indispensable  
companion for all  
radiologists, radiology  
residents, and radiologic*

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*technologists.*

*This unique text presents  
a comprehensive review of  
methods for modeling  
signal and noise in  
magnetic resonance imaging  
(MRI), providing a*

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*systematic study,  
classifying and comparing  
the numerous and varied  
estimation and filtering  
techniques. Features:  
provides a complete  
framework for the modeling*

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*and analysis of noise in  
MRI, considering different  
modalities and acquisition  
techniques; describes  
noise and signal  
estimation for MRI from a  
statistical signal*

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surveys the different  
methods to remove noise in  
MRI acquisitions from a  
practical point of view;  
reviews different  
techniques for estimating*

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single- and multiple-coil  
systems for fully sampled  
acquisitions; examines the  
issue of noise estimation  
when accelerated  
acquisitions are*

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*considered, and parallel  
imaging methods are used  
to reconstruct the signal;  
includes appendices  
covering probability  
density functions,  
combinations of random*



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*variables used to derive estimators, and useful MRI datasets.*

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other products based on  
the results of clinical  
studies and case reports.  
An alphabetical list of  
nearly 1,000 objects*

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*describes their safety status and the highest strength of the static magnetic field of the MR system that was used for safety testing of the object. Its handy size*

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*This comprehensive  
reference on total knee  
arthroplasty describes all  
surgical techniques and  
prosthetic designs for  
primary and revision*

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*arthroplasty, discusses every aspect of patient selection, preoperative planning, and intraoperative and postoperative care.*

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*Texture Analysis for  
Magnetic Resonance Imaging  
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Positioning  
A User's Guide to  
Principles, Technology,  
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Artificial Intelligence  
and Machine Learning , An  
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*diagnostic modality. The book is divided into three sections. The first covers the history of MRE. The second covers technique and clinical applications of MRE in the liver with respect to fibrosis, liver masses, and*

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