

Grainger Allison's Diagnostic Radiology 2

Volume Set 6e

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Musculoskeletal Imaging: The Requisites - B. J. Manaster 2013-03-15

Musculoskeletal Imaging: The Requisites, 4th Edition delivers the conceptual, factual, and interpretive information you need for effective clinical practice in musculoskeletal imaging, as well as for certification and recertification review. Master core knowledge the easy and affordable way with clear, concise text enhanced by at-a-glance illustrations, boxes, and tables - all completely rewritten to bring you up to date. Find key information easily with numerous outlines, tables, "pearls," and boxed material for easy reading and reference. Access the fully searchable text and downloadable images online at www.expertconsult.com. Get the best results from today's most technologically advanced approaches, including new uses of MR and ultrasound for early diagnosis and monitoring of inflammatory arthritis. Prepare for the written board exam and for clinical practice with critical information on femoroacetabular impingement, arthrography, hip replacement, cartilage tumors, bone marrow imaging (including focal and diffuse replacement), and sports medicine (including athletic pubalgia/sports hernia). Stay up to date on soft tissue tumors with significantly expanded content, illustrated tumor-specific findings, and new AJCC staging and diagnostic information. Clearly visualize the findings you're likely to see in practice and on

exams with 300 new MRI, CT, ultrasound, and x-ray images throughout.

Grainger & Allison's Diagnostic Radiology - Andrew S. McQueen 2009

This is an ideal tool for trainee radiologists preparing for their professional certification exams to assess their current knowledge, comprehension and retention of information prior to sitting their exams. The book is targeted at the new style FRCR 2A exam. It reflects the recent changes in exam structure and all of the 520 questions are provided in the new "best of five" format. The book contains explanations and key learning points that are cross-referenced to Grainger & Allison's Diagnostic Radiology and to other leading radiology reference works and journals.

Grainger & Allison's Diagnostic Radiology - Andy Adam 2015

Long recognized as the standard general reference in the field, this completely revised edition of Grainger and Allison's Diagnostic Radiology provides all the information that a trainee needs to master to successfully take their professional certification examinations as well as providing the practicing radiologist with a refresher on topics that may have been forgotten. Organized along an organ and systems basis, this resource covers all diagnostic imaging modalities in an integrated, correlative fashion and focuses on those topics that really

matter to a trainee radiologist in the initial years of training. Master the field and prepare for certification or recertification with a succinct, comprehensive account of the entire spectrum of imaging modalities and their clinical applications.

Diagnostic Ultrasound: Abdomen and Pelvis E-Book - Aya Kamaya 2021-10-08

Develop a solid understanding of ultrasound of the abdomen and pelvis with this practical, point-of-care reference in the popular Diagnostic Ultrasound series. Written by leading experts in the field, the second edition of Diagnostic Ultrasound: Abdomen and Pelvis offers detailed, clinically oriented coverage of ultrasound imaging of this complex area and includes illustrated and written correlation between ultrasound findings and other modalities. The most comprehensive reference in its field, this image-rich resource helps you achieve an accurate ultrasound diagnosis for every patient. Features nearly 15 new chapters that detail updated diagnoses, new terminology, new methodology, new criteria and guidelines, a new generation of scanners, and more Includes 2,500 high-quality images including grayscale, color, power, and spectral (pulsed) Doppler imaging in each chapter and, when applicable, contrast-enhanced ultrasound; plus new videos and animations online Discusses new polycystic ovary syndrome (PCOS) criteria, updated pancreatic cyst guidelines, new ovarian cyst recommendations, shear wave elastography for liver fibrosis, and more Correlates ultrasound findings with CT and MR for improved understanding of disease processes and how ultrasound complements other modalities for a given disease Covers cutting-edge ultrasound techniques, including microbubble contrast and contrast-enhanced US (CEUS) for liver imaging Contains time-saving reference features such as succinct and bulleted text, a variety of test data tables, key facts in each chapter, annotated images, and an extensive index

Felson's Principles of Chest Roentgenology E-Book - Lawrence R. Goodman 2014-11-01

Popular for its easy-to-use format, Felson's Principles of Chest Roentgenology remains the must-have primer of chest radiology. With the inclusion of the latest imaging approaches and terminology, its unique programmed learning

approach—presented in a highly interactive style—demystifies reading and interpreting radiologic images. High-quality images and diagrams are accompanied by multiple-choice review questions to reinforce key concepts. Additional online images plus self-assessment tests help you sharpen your skills and build confidence! Consult this title on your favorite e-reader! Quickly grasp the radiology fundamentals you need to know—including basic science, image interpretation, and terminology—with the popular "programmed learning" approach, which promotes fast learning and reference. Discern the nuances between modalities by comparing CT and MR images as well as traditional radiographs. View detailed clinical images covering all the image types you'll see on the boards including digital quality radiographs and an introduction of PET imaging, plus more advanced imaging such as CT and MRI than ever before. Test your skills and simulate the exam experience with updated content aligned with the new MCQ-format Board exam for easy preparation and review. Benefit from more robust interactive offerings in an e-book format.

Grainger & Allison's Diagnostic Radiology: Abdominal Imaging - Michael Maher 2015-11-24

The 20 chapters in this book have been selected from the contents of the Abdominal Imaging section in Grainger & Allison's Diagnostic Radiology 6e. These chapters provide a succinct up-to-date overview of current imaging techniques and their clinical applications in daily practice and it is hoped that with this concise format the user will quickly grasp the fundamentals they need to know. Throughout these chapters, the relative merits of different imaging investigations are described, variations are discussed and recent imaging advances are detailed.

Christensen's Physics of Diagnostic Radiology - Thomas S. Curry 1990

The Fourth Edition of this text provides a clear understanding of the physics principles essential to getting maximum diagnostic value from the full range of current and emerging imaging technologies. Updated material added in areas such as x-ray generators (solid-state devices), xerography (liquid toner), CT scanners (fast-

imaging technology) and ultrasound (color Doppler).

Grainger & Allison's Diagnostic Radiology: Chest and Cardiovascular System - Cornelia Schaefer-Prokop 2015-11-24

The 17 chapters in this book have been selected from the contents of the Chest and Cardiovascular System section in Grainger & Allison's Diagnostic Radiology 6e. These chapters provide a succinct up-to-date overview of current imaging techniques and their clinical applications in daily practice and it is hoped that with this concise format the user will quickly grasp the fundamentals they need to know. Throughout these chapters, the relative merits of different imaging investigations are described, variations are discussed and recent imaging advances are detailed.

Chapman & Nakielny's Aids to Radiological Differential Diagnosis - Hameed Rafiee 2019-08-01

Chapman & Nakielny's Aids to Radiological Differential Diagnosis is a well-loved radiology resource, used by trainees and practitioners worldwide to hone their knowledge of radiological differential diagnosis for the most commonly encountered conditions throughout the body. It is an invaluable quick-reference companion in everyday practice, as well as an essential study tool when preparing for the FRCR or similar examinations. First published 35 years ago Stephen Chapman and Richard Nakielny's original aims remain as relevant today as when the book was originally conceived. However radiology has expanded rapidly in recent years and this Seventh Edition is the biggest revision this book has had in its long history with major changes incorporated into nearly every section. Comprehensive lists of differential diagnoses to aid effective diagnoses. Closely aligned to the needs of current FRCR curriculum Brief, to the point text and clear page format allows for rapid access to key information. Part 2 of the book has been restructured to focus on multisystem disorders which cannot be fully covered in the individual chapters in Part 1. A new chapter on Nuclear Medicine has been added to reflect its importance in modern medical imaging. The chapter on head and neck conditions has been significantly expanded. Important discriminating features have been

added to nearly every differential to aid the reader in developing a strategy for reaching a diagnosis. The top differentials in each list which are considered important for radiology trainees to learn for exams are underlined.

Grainger & Allison's Diagnostic Radiology - Andy Adam 2008

A complete overview of contemporary radiological practice, this new edition provides all the information that a trainee needs to master in order to successfully take their professional certification examinations as well as providing the practicing radiologist with a refresher on topics that may have been forgotten. This new edition gives you a succinct but comprehensive account of all currently available imaging modalities and their clinical applications. Totally re-written, the book covers all of the areas that a trainee radiologist needs to master and provides the radiologist in clinical practice with a compact overview of the current "state of play" of imaging procedures. Organized along an organ and systems basis this resource covers all diagnostic and interventional imaging modalities in an integrated correlative fashion. The text is enhanced and clarified throughout by approx. 4,000 high quality illustrations.

Grainger & Allison's Diagnostic Radiology Essentials E-Book - Lee A. Grant 2018-10-17

With up-to-date, easy-access coverage of every aspect of diagnostic radiology, Grainger and Allison's Diagnostic Radiology Essentials, 2nd Edition, is an ideal review and reference for radiologists in training and in practice. This comprehensive overview of fundamental information in the field prepares you for exams and answers the practical questions you encounter every day. In a single, convenient volume, this one-stop resource is derived from, and cross-referenced to, the renowned authoritative reference work Grainger & Allison's Diagnostic Radiology, 6th Edition. Concentrates on the subjects that general diagnostic radiologists need to know, covering all diagnostic imaging modalities and organized by organ and system. Uses a concise, highly templated, bulleted format that helps you find the answers you need quickly and easily. Features more than 2,000 high-quality images, including plain film, CT, MRI, and ultrasound. Features a new section on interventional

radiology that covers interventional vascular radiology techniques, cross sectional angiography, specific drainage techniques, tumor ablation principles, and intervention in hepatobiliary, genitourinary and gynecological conditions. Contains a new section on functional imaging which includes both MRI (diffusion weighted imaging and perfusion MRI) and PETCT. Includes diagnostic "pearls" that help you avoid pitfalls and errors in diagnosis. Includes a useful Appendix with many quick-reference items that are hard to remember but essential in day-to-day practice. New content includes intravascular contrast media, anticoagulation agents and sedation, the latest TNM 8th edition of staging cancers, and new section on PI-RADS and BI-RADS.

Fundamentals of Skeletal Radiology - Clyde A. Helms 1995

This edition presents expanded coverage of magnetic resonance imaging, one of the most important new areas in musculoskeletal radiology. It also contains a new chapter on imaging of miscellaneous lesions. In addition, it lists common differential diagnoses for easy reference.

Imaging Atlas of Human Anatomy E-Book - Jonathan D. Spratt 2010-03-02

Imaging Atlas of Human Anatomy, 4th Edition provides a solid foundation for understanding human anatomy. Jamie Weir, Peter Abrahams, Jonathan D. Spratt, and Lonie Salkowski offer a complete and 3-dimensional view of the structures and relationships within the body through a variety of imaging modalities. Over 60% new images—showing cross-sectional views in CT and MRI, nuclear medicine imaging, and more—along with revised legends and labels ensure that you have the best and most up-to-date visual resource. This atlas will widen your applied and clinical knowledge of human anatomy. Features orientation drawings that support your understanding of different views and orientations in images with tables of ossification dates for bone development. Presents the images with number labeling to keep them clean and help with self-testing. Features completely revised legends and labels and over 60% new images—cross-sectional views in CT and MRI, angiography, ultrasound, fetal anatomy, plain film anatomy, nuclear medicine

imaging, and more—with better resolution for the most current anatomical views. Reflects current radiological and anatomical practice through reorganized chapters on the abdomen and pelvis, including a new chapter on cross-sectional imaging. Covers a variety of common and up-to-date modern imaging—including a completely new section on Nuclear Medicine—for a view of living anatomical structures that enhance your artwork and dissection-based comprehension. Includes stills of 3-D images to provide a visual understanding of moving images.

Mulholland & Greenfield's Surgery - Justin B. Dimick 2021-06-04

Newly streamlined and focused on quick-access, easy-to-digest content, Mulholland and Greenfield's Surgery: Scientific Principles & Practice, 7th Edition, remains an invaluable resource for today's residents and practicing surgeons. This gold standard text balances scientific advances with clinical practice, reflecting rapid changes, new technologies, and innovative techniques in today's surgical care. New lead editor Dr. Justin Dimick and a team of expert editors and contributing authors bring a fresh perspective and vision to this classic reference.

Grainger & Allison's Diagnostic Radiology: Oncological Imaging - Victoria Goh 2015-11-24

The 7 chapters in this book have been selected from the contents of the Oncological Imaging section in Grainger & Allison's Diagnostic Radiology 6e. These chapters provide a succinct up-to-date overview of current imaging techniques and their clinical applications in daily practice and it is hoped that with this concise format the user will quickly grasp the fundamentals they need to know. Throughout these chapters, the relative merits of different imaging investigations are described, variations are discussed and recent imaging advances are detailed. Please note that the following chapters represent a portion of the oncological imaging aspects in the comprehensive 6th edition of Grainger's & Allison's Diagnostic Radiology (for example, abdominal tumours are considered in section C "Abdominal Imaging")

Musculoskeletal Diseases 2021-2024 - Juerg Hodler 2021

This open access book focuses on imaging of the

musculoskeletal diseases. Over the last few years, there have been considerable advances in this area, driven by clinical as well as technological developments. The authors are all internationally renowned experts in their field. They are also excellent teachers, and provide didactically outstanding chapters. The book is disease-oriented and covers all relevant imaging modalities, with particular emphasis on magnetic resonance imaging. Important aspects of pediatric imaging are also included. IDKD books are completely re-written every four years. As a result, they offer a comprehensive review of the state of the art in imaging. The book is clearly structured with learning objectives, abstracts, subheadings, tables and take-home points, supported by design elements to help readers easily navigate through the text. As an IDKD book, it is particularly valuable for general radiologists, radiology residents, and interventional radiologists who want to update their diagnostic knowledge, and for clinicians interested in imaging as it relates to their specialty.

AIIMS MAMC - PGI's Comprehensive Textbook of Diagnostic Radiology 3 Volumes

- Niranjan Khandelwal 2016-05-20

AIIMS MAMC - PGI's Comprehensive Textbook of Diagnostic Radiology is an extensive three volume review of conventional and novel imaging techniques for the diagnosis of a wide range of diseases. The first volume of this book covers neuroradiology, including head and neck, recent advances and applied physics in imaging. The second volume covers chest and cardiovascular, gastrointestinal and hepatobiliary, and genitourinary imaging. The final volume covers paediatric imaging, musculoskeletal imaging, including information on imaging for bone, soft tissue and joint diseases, and breast imaging including the role of mammography. AIIMS MAMC - PGI's Comprehensive Textbook of Diagnostic Radiology includes discussion on various imaging modalities and the potential for their future use. The book is enhanced by over 6250 images and illustrations, making this an ideal visual resource for radiology residents and practising radiologists. Key Points Three volume review of diagnostic imaging techniques Volumes cover neuroradiology, chest,

cardiovascular, gastrointestinal, hepatobiliary, genitourinary, paediatric musculoskeletal, and breast imaging 6254 images and illustrations

Patient Care in Radiography - Ruth Ann Ehrlich 1989

Patient Care in Radiography helps you acquire and refine both the technical and interpersonal skills you need to provide quality patient care in the clinical environment. Because patient care is involved in virtually every aspect of imaging, high-quality patient care is just as important as your competent performance of procedures. In Patient Care in Radiography, patient care is integrated with procedural skills throughout the text, ensuring that you know how to provide the best care for every patient you encounter. Skills that are imperative for quality patient care in radiography, such as safety, transfer, and positioning; infection control; and patient assessment are emphasized. You'll find full coverage of introductory topics, as well as key information on microbiology, emerging diseases, transcultural communication, ECGs, administration of medications, and bedside radiography.

Grainger & Allison's Diagnostic Radiology -

Adam W. M. Mitchell 2003-11-24

This book allows trainees preparing to sit the Royal College of Radiologists fellowship exam to test their factual knowledge of diagnostic imaging and related clinicopathological aspects. The book is a collection of over 500 multiple choice questions that are divided into subject chapters corresponding with those in Grainger and Allison's Diagnostic Radiology, 4th edition. Full explanatory answers are given for all of the questions so that this book may be used as a useful complement to the main textbook (cross references are given to page and chapter numbers of the parent text), or to any other general radiology text. All of the questions take the form of a stem with five branches which must be answered true or false.

Search Pattern - Long H Tu 2020-06-30

Search Pattern is a collection of step-by-step guides to more than a hundred of the most common types of studies in radiology. Blind spots reported in the literature as well as practical wisdom from experts is synthesized into highly structured processes that can guide the development of better practice. Much of the

contained insight has never been organized in one place before. Search Pattern covers almost every type of study that a radiologist will encounter in training or practice. This text is written with the assumption that the reader has familiarity with basic radiologic terminology, anatomy, and physics. In the interest of brevity, almost all information outside of the organized approaches is omitted. The reader is encouraged to look up terms, images, and background information from supplementary resources. Formalized teaching of search patterns is a missing part of the educational literature in our field. Hopefully this book helps fill that void. It is one that I would have benefited from greatly when I was a resident.

Grainger & Allison's Diagnostic Radiology - Ronald G. Grainger 1997

This text is an updated and revised edition which provides comprehensive coverage of the field of organ imaging. Intended for those in postgraduate radiology training, particularly the radiological resident or registrar preparing for the professional examinations of the American Boards, The Royal College of Radiologists or other examining bodies, it is also designed for the working bench in the reporting (reading) room and should serve as a reference text for the consultant radiologist.

FRCR 2B Viva: A Case-based Approach - Paul S. Sidhu 2013-05-08

Edited by highly experienced radiologists, this focused, case-based guide will give candidates taking the Final FRCR 2B viva examination the exact information they need to handle the questions confidently, impress the examiners and maximise their chance of success. The book covers the full range of subjects and materials trainees can expect to meet and features more than 400 top-quality images and concise explanations. It is ideal for candidates who need to get the most out of their study time. Special Features: Each of the 136 clinically relevant sample cases includes clear radiological images, a clinical history, an ideal answer, case-specific examination tips, lists of possible differential diagnoses and notes on further questions that might be asked. The book is formatted as tutorial-style teaching points, perfect for learning and quick recall. It covers imaging modalities and organ systems across all

anatomical regions, including gastrointestinal, chest, musculoskeletal, urogynaecological, paediatric and radionuclide imaging, and neuroradiology. Each contributor is a specialist radiologist experienced in the topic under discussion, writing in cooperation with a recently successful FRCR Part 2 candidate. Concise, readable and easy-to-use, this book will help all radiology trainees demonstrate their powers of observation and deduction over a wide spectrum of conditions and investigations. It will allow them to enter the FRCR 2B viva examination room at ease with their knowledge and fully prepared to deliver thoughtful, accurate and high-impact answers.

Grainger & Allison's Diagnostic Radiology, 2 Volume Set - Andy Adam 2020-06-10

Master the information you need to know for practice and prepare for certification or recertification with a succinct, comprehensive account of the entire spectrum of imaging modalities and their clinical applications. Throughout six outstanding editions, Grainger and Allison's Diagnostic Radiology has stood alone as the single comprehensive reference on general diagnostic radiology. Now in two succinct volumes, the 7th Edition of this landmark text continues to provide complete coverage of all currently available imaging techniques and their clinical applications - the essential information you need to succeed in examinations and understand current best practices in radiological diagnosis. Organizes content along an organ and systems basis, covering all diagnostic imaging techniques in an integrated, correlative fashion, with a focus on the topics that matter most to a trainee radiologist in the initial years of training. Contains more than 4,000 high-quality illustrations that enhance and clarify the text. Features an expanded section on cardiac imaging to reflect major developments in cardiac MRI, including 3D ultrasound, PET, and SPECT. Integrates functional and molecular imaging throughout each section, and includes the latest image-guided biopsy and ablation techniques. Provides an ideal resource for written, oral, and re-certifying board study as well as for a clinical practice refresher on topics that may have been forgotten. Enhanced eBook version included with purchase. Your enhanced eBook allows you

to access all of the text, figures, and references from the book on a variety of devices.

Grainger & Allison's Diagnostic Radiology, 2

Volume Set E-Book - Andy Adam 2020-05-25

Master the information you need to know for practice and prepare for certification or recertification with a succinct, comprehensive account of the entire spectrum of imaging modalities and their clinical applications. Throughout six outstanding editions, Grainger and Allison's Diagnostic Radiology has stood alone as the single comprehensive reference on general diagnostic radiology. Now in two succinct volumes, the 7th Edition of this landmark text continues to provide complete coverage of all currently available imaging techniques and their clinical applications - the essential information you need to succeed in examinations and understand current best practices in radiological diagnosis. Organizes content along an organ and systems basis, covering all diagnostic imaging techniques in an integrated, correlative fashion, with a focus on the topics that matter most to a trainee radiologist in the initial years of training. Contains more than 4,000 high-quality illustrations that enhance and clarify the text. Features an expanded section on cardiac imaging to reflect major developments in cardiac MRI, including 3D ultrasound, PET, and SPECT. Integrates functional and molecular imaging throughout each section, and includes the latest image-guided biopsy and ablation techniques. Provides an ideal resource for written, oral, and re-certifying board study as well as for a clinical practice refresher on topics that may have been forgotten.

Thoracic Imaging - W. Richard Webb

2011-12-07

Thoracic Imaging, Second Edition, written by two of the world's most respected specialists in thoracic imaging, is the most comprehensive text-reference to address imaging of the heart and lungs. Inside you'll discover the expert guidance required for the accurate radiologic assessment and diagnosis of both congenital and acquired cardiovascular and pulmonary diseases. New topics in this edition include coronary artery CT, myocardial disease, pericardial disease, and CT of ischemic heart disease. This edition has a new full-color design

and many full-color images, including PET-CT. A companion website will offer fully searchable text and images.

Grainger & Allison's Diagnostic Radiology:

Paediatric Imaging - Catherine Owens

2015-11-24

The 8 chapters in this book have been selected from the contents of the Paediatric Imaging section in Grainger & Allison's Diagnostic Radiology 6e. These organ-specific chapters provide a succinct up-to-date overview of current imaging techniques and their clinical applications in daily practice and it is hoped that with this concise format the user will quickly grasp the fundamentals they need to know. Throughout these chapters, the relative merits of different imaging investigations are described, variations are discussed and recent imaging advances are detailed.

Ultrasound: The Requisites - Barbara S.

Hertzberg 2015-07-17

This bestselling volume in The RequisitesT Series provides a comprehensive introduction to timely ultrasound concepts, ensuring quick access to all the essential tools for the effective practice of ultrasonography. Comprehensive yet concise, Ultrasound covers everything from basic principles to advanced state-of-the-art techniques. This title perfectly fulfills the career-long learning, maintenance of competence, reference, and review needs of residents, fellows, and practicing physicians. Covers the spectrum of ultrasound use for general, vascular, obstetric, and gynecologic imaging. Fully illustrated design includes numerous side-by-side correlative images. Written at a level ideal for residents seeking an understanding of the basics, or for practitioners interested in lifelong learning and maintenance of competence. Extensive boxes and tables highlight differential diagnoses and summarize findings. "Key Features" boxes offer a review of key information at the end of each chapter. Explore extensively updated and expanded content on important topics such as practical physics and image optimization, the thyroid, salivary glands, bowel, musculoskeletal system, cervical nodal disease, ectopic pregnancy, early pregnancy failure, management of asymptomatic adnexal cysts, practice guidelines - and a new chapter on fetal chromosome abnormalities.

Visualize the complete spectrum of diseases with many new and expanded figures of anatomy and pathology, additional correlative imaging, and new schematics demonstrating important concepts and findings. Further enhance your understanding with visual guidance from the accompanying electronic version, which features over 600 additional figures and more than 350 real-time ultrasound videos. Expert Consult eBook version included with purchase. The enhanced eBook experience allows you to view the additional images and video segments and access all of the text, figures, and suggested readings on a variety of devices.

Grainger & Allison's Diagnostic Radiology: Musculoskeletal System - Andrew Grainger 2015-11-24

The 9 chapters in this book have been selected from the contents of the Musculoskeletal System section in Grainger & Allison's Diagnostic Radiology 6e. These chapters provide a succinct up-to-date overview of current imaging techniques and their clinical applications in daily practice and it is hoped that with this concise format the user will quickly grasp the fundamentals they need to know. Throughout these chapters, the relative merits of different imaging investigations are described, variations are discussed and recent imaging advances are detailed. Please note that imaging techniques of the spine are considered in the separate section "The Spine" in Grainger & Allison's Diagnostic Radiology 6e.

Fundamental Physics of Radiology - W. J. Meredith 2013-10-22

Fundamental Physics of Radiology, Third Edition provides a general introduction to the methods involving radioactive isotopes and ultrasonic radiations. This book provides the fundamental principles upon which the clinical uses of radioactive isotopes and ultrasonic radiation depend. Organized into four sections encompassing 45 chapters, this edition begins with an overview of the basic facts about matter and energy. This text then examines the technical details of some practical X-ray tubes. Other chapters consider the action of the X-rays on the screen to produce an emission of visible light photons in amount proportional to the incident X-ray intensity. This book discusses as well the fundamental aspects of the physical

principles of radiotherapy, in which most attention is being given to gamma- and X-rays. The final chapter deals with the provision of adequate barriers and protective devices to guarantee the safety of the workers concerned. This book is a valuable resource for radiologists, physicists, and scientists.

Magnetic Resonance Imaging Handbook - Luca Saba 2015-12-26

Magnetic resonance imaging (MRI) is an imaging technique used in biomedical imaging and radiology to visualize detailed internal structures of the body. The purpose of this book is to cover engineering and clinical benefits in diagnosing human pathologies using MRI. It will cover the protocols and potentialities of advanced MRI scanners in addition to explaining the physical principles of MRI and how to use this technique correctly. Each organ's anatomy and pathological processes are highlighted with high-quality images.

Chapman & Nakielny's Guide to Radiological Procedures E-Book - Nick Watson 2013-11-15

Chapman and Nakielny's Guide to Radiological Procedures has become the classic, concise guide to the common procedures in imaging with which a radiology trainee will be expected to be familiar. Now fully revised and updated in line with current practice, it will also prove invaluable to the wider clinical team that now delivers modern imaging services, including radiographers and radiology nurses, as well as a handy refresher for radiologists at all levels. The highly accessible format has been retained, with every technique described under a set of standard headings, making it ideal for both quick reference and exam preparation. The important topic of 'consent' is reflected in an additional new chapter and the latest key guidelines are referenced throughout. Synoptic style makes for easy everyday quick reference as well as exam preparation. Selectivity of techniques covered focuses candidates' attention on what questions to expect. Use of standard headings makes information highly accessible. Reflects changes in examination. All new modalities fully covered.

On Call Radiology - Gareth Lewis 2015-06-24
On-Call Radiology presents case discussions on the most common and important clinical

emergencies and their corresponding imaging findings encountered on-call. Cases are divided into thoracic, gastrointestinal and genitourinary, neurological and non-traumatic spinal, paediatric, trauma, interventional and vascular imaging. Iatrogenic complications

Clinical Neuroradiology - Frederik Barkhof
2019-04-16

This superbly illustrated textbook, endorsed by the European Society of Neuroradiology, explains in detail the clinical importance of neuroradiology in complementing history taking and physical examination during the workup of patients suspected of having neurological, neurosurgical, or psychiatric disorders. The role of imaging of the brain and spinal cord is described across the full range of relevant conditions, including, for example, cerebrovascular diseases, trauma, CSF disorders, developmental malformations, autoimmune diseases, epilepsy, tumors and tumor-like conditions, neurodegenerative diseases, metabolic conditions, and bipolar and depressive disorders. The structured approach to imaging and image analysis will ensure that the book is an invaluable resource for neuroradiologists in training and clinicians alike. Starting from the clinical indication, suggestions for imaging protocols are provided and checklists of common findings and aspects key to interpretation are presented. The book is published within the SpringerReference program, which combines thorough coverage with access to living editions constantly updated via a dynamic peer-review process.

Principles of Radiographic Imaging (Book Only) - Richard R. Carlton 2012-01-13

Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
Squire's Fundamentals of Radiology - Robert A. Novelline 2004

The development of new imaging technologies that make possible faster and more accurate diagnoses has significantly improved imaging of disease and injury. This edition describes and illustrates the new techniques to prepare medical students and other radiology learners to provide the most optimal, up-to-date imaging management for their patients.

A Textbook of Radiology and Imaging - David

Sutton 1980

The Radiology Handbook - J. S. Benseler
2014-06-17

Designed for busy medical students, The Radiology Handbook is a quick and easy reference for any practitioner who needs information on ordering or interpreting images. The book is divided into three parts: - Part I presents a table, organized from head to toe, with recommended imaging tests for common clinical conditions. - Part II is organized in a question and answer format that covers the following topics: how each major imaging modality works to create an image; what the basic precepts of image interpretation in each body system are; and where to find information and resources for continued learning. - Part III is an imaging quiz beginning at the head and ending at the foot. Sixty images are provided to self-test knowledge about normal imaging anatomy and common imaging pathology. Published in collaboration with the Ohio University College of Osteopathic Medicine, The Radiology Handbook is a convenient pocket-sized resource designed for medical students and non radiologists.

Neuroradiology - David M. Yousem 2010-01-01
Now in its 4th Edition, this bestselling volume in the popular Requisites series, by Drs. Rohini Nadgir and David M. Yousem, thoroughly covers the extensive field of neuroradiology in an efficient and practical manner. Ideal for both clinical practice and ABR exam study, it presents everything you need to know about diagnostic imaging of the most commonly encountered neurological conditions. The authors address the conceptual, technical, and interpretive core knowledge needed for imaging the brain, spine, and head and neck, and discuss all the latest imaging modalities used, including diffusion weighted imaging, perfusion imaging, MR and CT angiography, and MR spectroscopy. Features 1,200 high-quality images throughout. Makes it easy to locate any topic of interest thanks to a logical organization by diseases and locations. Summarizes differential diagnoses in quick reference tables to reinforce important characteristics of diseases and aid in interpretation. Focuses on essentials to pass the boards and the Certificate of Added Qualification

exam. Contains 50% new, updated, or improved illustrations. Covers new techniques such as diffusion tensor imaging tractography to identify white matter tracts. Offers new understandings of demyelination diseases such as neuromyelitis optica (NMO), reversible cerebral vasoconstriction syndrome (RCVS), immune reconstitution inflammatory syndrome (IRIS), and IgG4 related inflammatory disease. Provides updated World Health Organization classification of brain tumors and the recent American Joint Commission on Cancer TNM staging of head and neck cancers.

Learning Radiology - William Herring

2015-04-16

A must-have for anyone who will be required to read and interpret common radiologic images, *Learning Radiology: Recognizing the Basics* is an image-filled, practical, and easy-to-read introduction to key imaging modalities. Skilled radiology teacher William Herring, MD, masterfully covers exactly what you need to know to effectively interpret medical images of all modalities. Learn the latest on ultrasound, MRI, CT, patient safety, dose reduction, radiation protection, and more, in a time-friendly format with brief, bulleted text and abundant high-quality images. Then ensure your mastery of the material with additional online content, bonus images, and self-assessment exercises at Student Consult. Identify a wide range of common and uncommon conditions based upon their imaging findings. Arrive at diagnoses by following a pattern recognition approach, and logically overcome difficult diagnostic challenges with the aid of decision trees. Quickly grasp the fundamentals you need to know through more than 700 images and an easy-to-use format and pedagogy, including: bolding of key points and icons designating special content; Diagnostic Pitfalls; Really, Really Important Points; Weblinks; and Take-Home Points. Gauge your mastery of the material and build confidence with extra images, bonus content, interactive self-assessment exercises, and USMLE-style Q&A that provide effective chapter review and quick practice for your exams. Apply the latest

recommendations on patient safety, dose reduction and radiation protection. Benefit from the extensive knowledge and experience of esteemed author Dr. William Herring—a skilled radiology teacher and the host of his own specialty website, www.learningradiology.com. Stay current in the latest advancements and developments with meticulous updates throughout including a new chapter on Pediatric Radiology as well as more than 60 new and updated photos, many highlighting newer imaging modalities. Maximize your learning experience with interactive Student Consult extras: videos/images of 3D images, functional imaging examinations, dynamic studies, and additional assessments. Student Consult eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, references, and videos from the book on a variety of devices.

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Embodying the principle of 'everything you need but still easy to read', this fully updated edition of *Core Radiology* is an indispensable aid for learning the fundamentals of radiology and preparing for the American Board of Radiology Core exam. Containing over 2,100 clinical radiological images with full explanatory captions and color-coded annotations, streamlined formatting ensures readers can follow discussion points effortlessly. Bullet pointed text concentrates on essential concepts, with text boxes, tables and over 400 color illustrations supporting readers' understanding of complex anatomic topics. Real-world examples are presented for the readers, encompassing the vast majority of entities likely encountered in board exams and clinical practice. Divided into two volumes, this edition is more manageable whilst remaining comprehensive in its coverage of topics, including expanded pediatric cardiac surgery descriptions, updated brain tumor classifications, and non-invasive vascular imaging. Highly accessible and informative, this is the go-to introductory textbook for radiology residents worldwide.