

Diagnostic Radiology And Imaging

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.

This publication is aimed at students and teachers involved in programmes that train medical physicists for work in diagnostic radiology. It provides, in the form of a syllabus, a comprehensive overview of the basic medical physics knowledge required for the practice of modern diagnostic radiology. This makes it particularly useful for graduate students and residents in medical physics programmes. The material presented in the publication has been endorsed by the major international organisations and is the foundation for academic and clinical courses in both diagnostic radiology physics and in emerging areas such as imaging in radiotherapy.

"The purple book," gives you a comprehensive, up-to-date look at diagnostic imaging in an easy-to-read, bulleted format. Drs. Ralph Weissleder, Jack Wittenberg, Mukesh Harisinghani, and John W. Chen combine detailed illustrations and images with guidance on the latest applications of PET, CTA, and MRA into a portable resource for convenient reference wherever you go. Master the latest technologies, including hybrid PET, CTA, and MRA, through updated and expanded coverage of imaging modalities and their applications.

Learn the latest advances in veterinary diagnostic radiology! Textbook of Veterinary Diagnostic Radiology, 7th Edition, is a one-stop resource covering the principles of radiographic technique and interpretation for dogs, cats, and horses. Within this bestselling text, high-quality radiographic images accompany clear coverage of diagnostic radiology, ultrasound, MRI, and CT. User-friendly direction helps you to develop essential skills in patient positioning, radiographic technique and safety measures, normal and abnormal anatomy, radiographic viewing and interpretation, and alternative imaging modalities. This new edition has been thoroughly revised to include important advances in the field, information about contrast media, dental radiography, and more! Coverage of ultrasound imaging procedures such as the esophagram, upper GI examination, excretory urography, and cystography helps in determining when and how these procedures are performed in today's practice. Rewritten chapters on basic interpretation emphasizes radiography, radiation safety, superficial coverage of normal variants, and will include more in-depth information on the framework for interpretation. An atlas of normal radiographic anatomy in each section makes it easier to recognize abnormal radiographic findings. High-quality radiographic images clarify key concepts and interpretation principles. Up-to-date coverage of the most commonly seen species in private veterinary practices and veterinary teaching hospitals includes the cat, dog, and horse. NEW! Chapter on CT and MR contrast media gives you a better understanding of the agents used to alter patient contrast. NEW! Information on digital imaging helps you understand the latest advances in digital imaging. NEW! Chapter on dental radiology covers common dental issues you may encounter in practice. NEW! Chapter on MR spinal imaging provides the latest information on the diagnosis of spinal cord disease through the use of CT and MRI.

A Handbook for Teachers and Students

Imaging in Pediatrics E-Book

Diagnostic Radiology: Chest and Cardiovascular Imaging

Diagnostic Radiology Paediatric Imaging

A Textbook of Radiology and Imaging

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")

The new edition of this comprehensive guide has been fully revised to provide clinicians with the very latest information and developments in the field of diagnostic imaging of the gastrointestinal and hepatobiliary system. Beginning with an overview of imaging techniques for the abdomen, the following sections discuss radiological methods for diagnosing different diseases and disorders in the bowel, liver, biliary tree, and pancreas. The final section covers miscellaneous topics including imaging in abdominal trauma, imaging of the spleen, imaging of the postoperative abdomen, and portal hypertension. Each case provides in depth coverage of all clinicopathological aspects with radiological correlation. The fourth edition of this atlas features nine brand new chapters including clinical and radiological aspects of ischemic bowel disease, liver transplant, malignant pathology of the biliary tract, chronic pancreatic, and more. More than 1000 clinical images, diagrams and tables enhance learning. Key Points Fully revised, fourth edition presenting latest advances in diagnostic imaging of the gastrointestinal and hepatobiliary system Includes nine new chapters Features more than 1000 images and illustrations Previous edition (9788184484342) published in 2008

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.

Doody Rating : 3 stars : The present revised edition has been designed to provide an integrated approach to musculoskeletal disorders. This series has been accordingly updated and comprises of 24 chapters categorized under six sections and two parts. The first section deals with all imaging modalities in detail. There is also an updated section on MR imaging. All chapters have been thoroughly revised. Being a developing nation, infections continue to be a health problem and an entire section is devoted to it. The importance of conventional radiography has been emphasized because all radiology.

Primer of Diagnostic Imaging

Diagnostic Radiology: Gastrointestinal and Hepatobiliary Imaging

Fundamentals of Diagnostic Radiology

Diagnostic Imaging of Blast and Ballistic Injuries

Diagnostic Radiology Physics

A practical clinically relevant introduction to diagnostic radiology *Introduction to Basic Radiology* is written to provide non-radiologists with the level of knowledge necessary to order correct radiological examinations, improve image interpretation, and enhance their interpretation of various radiological manifestations. The book focuses on the clinical scenarios most often encountered in daily practice and discusses practical imaging techniques and protocols used to address common problems. Relevant case scenarios are included to demonstrate how to reach a specific diagnosis. *Introduction to Basic Radiology* is divided into ten chapters. The first two chapters provide basic information on various diagnostic imaging techniques and contrast agents. Each of the following chapters discuss imaging of specific organ systems and begin with a description of the imaging modality of choice and illustrates the relevant features to help simplify the differential diagnosis. You will also find important chapters on pediatric radiology and women's imaging. Unlike other introductory texts on the subject, this book treats diagnosis from a practical point of view. Rather than discuss various diseases and classify them from the pathologic standpoint, *Introduction to Basic Radiology* utilizes cases from the emergency room and physician's offices and uses a practical approach to reach a diagnosis. The cases walk you through a radiology expert's analysis of imaging patterns. These cases are presented progressively, with the expert's thinking process described in detail. The cases highlight clinical presentation, clinical suspicion, modality of choice, radiologic technique, and pertinent imaging features of common disease processes.

This new edition provides practising and trainee radiologists with the latest advances in neuroradiology. Divided into seven sections the book covers imaging techniques and advances, interventional neuroradiology, infections/demyelinating disorders/epilepsy, brain neoplasms, head and neck imaging, trauma and spine imaging, and allied neurosciences. The fourth edition has been fully revised and updated, and a number of new topics added. The comprehensive text of nearly 1000 pages, features more than 1500 radiological images and figures. Other titles in the Diagnostic Radiology series include *Paediatric Imaging*, *Genitourinary Imaging*, *Gastrointestinal and Hepatobiliary Imaging*, *Chest and Cardiovascular Imaging*, and *Musculoskeletal and Breast Imaging*. Key points *Comprehensive guide to latest advances in neuroradiology* Fully revised fourth edition with many new topics added Includes more than 1500 radiological images and figures across nearly 1000 pages Previous edition (9789380704258) published in 2010

Diagnostic Imaging for the Emergency Physician, written and edited by a practicing emergency physician for emergency physicians, takes a step-by-step approach to the selection and interpretation of commonly ordered diagnostic imaging tests. Dr. Joshua Broder presents validated clinical decision rules, describes time-efficient approaches for the emergency physician to identify critical radiographic findings that impact clinical management and discusses hot topics such as radiation risks, oral and IV contrast in abdominal CT, MRI versus CT for occult hip injury, and more. *Diagnostic Imaging for the Emergency Physician* has been awarded a 2011 PROSE Award for Excellence for the best new publication in Clinical Medicine. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Choose the best test for each indication through clear explanations of the "how" and "why" behind emergency imaging. Interpret head, spine, chest, and abdominal CT images using a detailed and efficient approach to time-sensitive emergency findings. Stay on top of current developments in the field, including evidence-based analysis of tough controversies - such as indications for oral and IV contrast in abdominal CT and MRI versus CT for occult hip injury; high-risk pathology that can be missed by routine diagnostic imaging - including subarachnoid hemorrhage, bowel injury, mesenteric ischemia, and scaphoid fractures; radiation risks of diagnostic imaging - with practical summaries balancing the need for emergency diagnosis against long-term risks; and more. Optimize diagnosis through evidence-based guidelines that assist you in discussions with radiologists, coverage of the limits of "negative" or "normal" imaging studies for safe discharge, indications for contrast, and validated clinical decision rules that allow reduced use of diagnostic imaging. Clearly recognize findings and anatomy on radiographs for all major diagnostic modalities used in emergency medicine from more than 1000 images. Find information quickly and easily with streamlined content specific to emergency medicine written and edited by an emergency physician and organized by body system. Authored by one of the world's preeminent authorities in its field, this new book represents today's best single source of guidance on head and neck diagnostic imaging! It presents more details for each diagnosis · more representative images · more case data · and more current references than any other reference tool. At the same time, its user-friendly format lets readers access all of this information remarkably quickly! Covers the top diagnoses in head and neck imaging, including both common and uncommon entities. Begins each section with a unique

chapter on critical anatomical and imaging issues; a clear and concise, contemporary and practical approach covers relevant terminology, spatial anatomy and imaging issues, embryology, and differential diagnoses, both general and specific. Provides exquisitely reproduced imaging examples for every diagnosis—plus concise, bulleted summaries of terminology · imaging findings · key facts · differential diagnosis · pathology · clinical issues · a diagnostic checklist · and selected references. Includes an extensive image gallery for each entity, depicting common and variant cases. Offers vivid, full-color anatomy and pathology drawings. Displays a "thumbnail" visual differential diagnosis for each entity.

Grainger and Allison's Diagnostic Radiology: Oncological Imaging

Grainger & Allison's Diagnostic Radiology

Grainer and Allison's Diagnostic Radiology

Diagnostic Imaging: Genitourinary E-Book

Grainger and Allison's Diagnostic Radiology: Paediatric Imaging

A mainstay for radiology trainees and practitioners, *Diagnostic Imaging: Genitourinary, Third Edition* features an image-rich, reader-friendly format that outlines the role of imaging in diagnosing and managing diseases of the GU tract. Concise chapters and spectacular imaging examples combine to make this medical reference book an all-inclusive resource for every member of the radiology team. State-of-the-art imaging – such as CT urography, DECT, MR urography, and DWI MR – addresses the rapidly changing diagnostic algorithm used for evaluation of diseases of the genitourinary tract. Presents approximately 2,500 superior images for a greater visual understanding, while bulleted text expedites reference and review. Includes an expanded table of contents, updated chapters and references, and brand new illustrations that highlight the roles of MR and ultrasound for evaluating diseases of the GU tract. Covers important hot topics such as prostate carcinoma staging and surveillance, adrenal adenoma work-up and relevance, staging and subclassification of renal cell carcinoma, and the role of DECT for renal stone characterization.

This new edition is a complete guide to imaging techniques for the diagnosis of musculoskeletal and breast diseases and disorders. Divided into 29 sections, the book begins with imaging for different musculoskeletal conditions including bone tumours, osteoporosis, and rheumatological disorders. Several chapters are dedicated to subspecialty MRI (Magnetic Resonance Imaging) of the shoulder, wrist, hip and pelvis, knee, and ankle. The remaining sections discuss breast imaging, with a complete chapter dedicated to the male breast. The fourth edition has been fully revised to provide radiologists and trainees with the latest advances and guidelines in the field. The comprehensive text, spanning 700 pages, is further enhanced by radiological images and figures. Key points Complete guide to diagnostic imaging of the musculoskeletal system and breast Fully revised, new edition featuring latest advances and guidelines Highly illustrated with radiological images and figures Previous edition (9789350258835) published in 2012

Diagnostic Radiology: Gastrointestinal and Hepatobiliary Imaging JP Medical Ltd

This three volume set will be a boon to those who need to enhance their knowledge. It will be of great help to postgraduates radiologists. Illustrations are beautifully drawn and the book is well-referenced.

Diagnostic Radiology: Advances in Imaging Technology

Grainger & Allison's Diagnostic Radiology, 2 Volume Set

Diagnostic Radiology: Musculoskeletal and Breast Imaging

Grainger and Allison's Diagnostic Radiology: Abdominal Imaging

Non-traumatic Disease. Musculoskeletal

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.

Featuring the most recent information, citations, and images, this reference containing more than 300 diagnoses guides the practicing radiologist through the intricacies of musculoskeletal diseases, including arthritis, collagen vascular diseases, bone tumors, and more. Over the past decade, radiological imaging tests - including CT scanning, MRI, PET, X-rays, ultrasound, fluoroscopy and other modalities - have become essential to the routine diagnostic process. While these modern advanced medical images and their striking anatomic detail have discovered underlying issues, they have also contributed to a false impression of infallibility. Unlike other straightforward diagnostic tests, such as the EKG or blood chemistry panel, radiological imaging tests are highly variable and complex, often yielding uncertain results, as well as frequent false-negatives and false-positives. The experts who interpret the images (the diagnostic radiologists) sometimes make mistakes: the practice of diagnostic radiology is a fallible, human endeavour, one involving complex perceptual, neuro-

physiological and cognitive processes employed under a wide range of circumstances, and with a great deal of variability. Error and Uncertainty in Diagnostic Radiology opens the 'black box,' of medical imaging, exposing the remarkable inner workings of the process of diagnostic radiology—including how and why it can sometimes go tragically wrong. The occurrence of radiological error is shown to be fundamentally intertwined with the underlying high level of uncertainty known to be present in the diagnostic process. As a foremost expert on radiology quality and safety, Dr. Bruno provides insight into the various types of radiologist error, along with a conceptual framework for understanding error and uncertainty in radiology, leading to practical strategies for error prevention and for reducing the risk of harm to patients when errors inevitably occur. This book is essential for radiologists, members of the Society to Improve Diagnosis in Medicine, emergency physicians, medical educators, medical and hospice administrators, especially quality and safety officers, as well as malpractice insurance carriers.

This fully revised edition of Fundamentals of Diagnostic Radiology conveys the essential knowledge needed to understand the clinical application of imaging technologies. An ideal tool for all radiology residents and students, it covers all subspecialty areas and current imaging modalities as utilized in neuroradiology, chest, breast, abdominal, musculoskeletal imaging, ultrasound, pediatric imaging, interventional techniques and nuclear radiology. New and expanded topics in this edition include use of diffusion-weighted MR, new contrast agents, breast MR, and current guidelines for biopsy and intervention. Many new images, expanded content, and full-color throughout make the fourth edition of this classic text a comprehensive review that is ideal as a first reader for beginning residents, a reference during rotations, and a vital resource when preparing for the American Board of Radiology examinations. More than just a book, the fourth edition is a complete print and online package. Readers will also have access to fully searchable content from the book, a downloadable image bank containing all images from the text, and study guides for each chapter that outline the key points for every image and table in an accessible format—ideal for study and review. This is the 1 volume set.

Diagnostic Imaging

Diagnostic Imaging for the Emergency Physician E-Book

Radiation Protection In Diagnostic X-Ray Imaging

Diagnostic Radiology: Neuroradiology including Head and Neck Imaging

Neuroimaging

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.

This book is a comprehensive guide to imaging techniques for the diagnosis and management of genitourinary disorders. Divided into five key sections, the text covers diagnostic imaging of the urinary tract and the genital tract in both men and women. This fourth edition has been fully revised to provide clinicians with the latest advances and techniques in the field. New chapters on radiological anatomy and novel imaging techniques have been included. Latest guidelines and systematic-algorithms are covered to assist understanding and simplify diagnostic reporting. Radiological images, diagrams and figures further enhance the thorough text. Key points Comprehensive guide to diagnostic imaging techniques for genitourinary diseases and disorders Fully revised, fourth edition detailing latest advances in the field Includes new chapters on radiological anatomy and novel imaging techniques Previous edition (9788184486827) published in 2009

Every page crafted by a collaborative team of pediatricians and pediatric radiologists, this unique title by Drs. A. Carlson Merrow, Jr. and Selena Hariharan is a practical, superbly illustrated reference designed specifically for today's pediatrician. An ideal roadmap to the fast-changing landscape of diagnostic imaging tests, Imaging in Pediatrics not only guides you through the radiologic work-up of common pediatric disorders, but also translates the appearance and language of the work-up results for more effective communication between the pediatrician and the radiologist, resulting in enhanced understanding and better patient care. Uses easy-to-read, bulleted text to highlight the most important facts about each disorder and its associated etiology, imaging work-up, clinical manifestations, and therapy. Covers 248 diagnoses likely seen in practice, logically organized by anatomic region. Helps you determine which studies to order and demonstrates and explains typical findings in accessible language. Provides expanded coverage of key topics, including the imaging work-up of appendicitis that relies on ultrasound and MR over CT; new guidelines on vesicoureteral reflux and urinary tract infections; up-to-date recommendations on imaging in nonaccidental trauma, foreign body removal, and obesity-related diseases; revised nomenclature on pediatric lung diseases, vascular malformations, and neoplasms; and guidance on limiting the use of ionizing radiation in evaluating pediatric diseases. Includes an imaging glossary, introductory prose chapters with general guidelines on imaging specific organ systems, and numerous illustrations depicting complex anatomic and pathologic relationships of individual entities.

The 8 chapters in this book have been selected from the contents of the Neuroimaging 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.

Head and neck

Diagnostic Radiology: Recent Advances and Applied Physics in Imaging

Error and Uncertainty in Diagnostic Radiology

Innovations in Diagnostic Radiology

Diagnostic Radiology and Imaging

This volume of the new series, "Medical Radiology" addresses the important topic of "Innovations in Diagnostic Radiology". It presents examples of current work of interest not only to the radiological community but to physicians in other medical disciplines and to scientists in general. The impact of radiology on diagnostic medicine and patient management has been obvious from the beginning of our specialty. However, the evolution of the field is expanding at an astounding rate. During the professional lifetime of one generation of radiologists alone, numerous technologies and procedures have been added to conventional radiography: cross sectional tomography, high resolution nuclear scanning, magnetic resonance imaging, ultrasound, interventional radiology and computer based radiological operations. The optimal interpretation of images obtained by these new technologies requires that we expand our knowledge in physiology, biochemistry and also in our clinical expertise. It also means that radiologists must collaborate closely with other clinicians and basic scientists.

Effectively apply the latest techniques and approaches with complete updates throughout including 4 new sections (Abdominal Imaging, The Spine, Oncological Imaging, and Interventional Radiology) and 28 brand new chapters. Gain the fresh perspective of two new editors—Jonathan Gillard and Cornelia Schaefer-Prokop -- eight new section editors -- Michael Maher, Andrew Grainger, Philip O'Connor, Rolf Jager, Vicky Goh, Catherine Owens, Anna Maria Belli, Michael Lee -- and 135 new contributors. Stay current with the latest developments in imaging techniques such as CT, MR, ultrasound, and coverage of hot topics such as: Image guided biopsy and ablation techniques and Functional and molecular imaging. Solve even your toughest diagnostic challenges with guidance from nearly 4,000 outstanding illustrations. Quickly grasp the fundamentals you need to know through a more concise, streamlined format.

Radiologic protection has become an integral part of radiologic technology and provides tools to protect not only the patient, but personnel and members of the public as well. Radiation Protection in Diagnostic X-Ray Imaging covers the recent developments that have been introduced to address the increasing dose to the patient and new assessment tools for use in dose optimization studies. This comprehensive text reviews the critical issues in radiologic protection and presents these key topics regarding medical physics in an accessible manner for clinicians, radiographers and other health professionals. This text covers a detailed overview of the biological effects of radiation exposure, outlines the fundamental physical principles and technical aspects of radiation protection, outlines the major components of DRL, image quality assessment tools for use in dose-image quality, and explains the role of quality assurance control in optimization of radiation protection. Features:

- Covers all topics prescribed by the ARRT for the certification examination
- Goes beyond the topics covered in the ARRT specifications and other texts
- Includes the most up-to-date topics on Radiation Protection of concern to clinical practice and academia

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 E-Book

Diagnostic Radiology: Pediatric Imaging

Introduction to Diagnostic Radiology

Diagnostic Radiology

A Textbook of Medical Imaging

Rapid advances are taking place in the field of imaging. This results in the need for re-evaluating and redefining the role of a modality in different clinical scenarios.

Coupled to this, particularly in paediatric radiology is the need for ensuring patient safety. The industry has made significant attempts to minimize radiation exposures

in imaging and this is pre-requisite that cannot be over-emphasized in children. Paediatric radiology is already a well-established subspecialty in the West, but in the developing world due to the paucity of trained radiologists in proportion to our population, every practicing radiologist needs to be aware of the special needs and disease entities in children. The third edition of the book has been designed to include current recommendations, guidelines and existing knowledge on the subject. The content of all chapters has been updated, while some have been significantly restructured. New chapters have also been added. It is our earnest hope that our readers will find this text informative and that it will aid in their learning process and daily practice.

Combat Radiology provides unique insights into a military radiologist's role in the modern battlefield environment. Drawing on his recent experiences in Iraq, Col. Les Folio, a retired air force radiologist and flight surgeon with over twenty years of service, presents a comprehensive introduction to diagnostic imaging technology for the deployed military physician. Topics in the book include descriptions of imaging capabilities of hospitals in deployed military bases in combat zones; practical imaging techniques and terminology associated with penetrating/perforating blast and ballistic injuries; recent medical advances on the battlefield; and the changing role of imaging modalities in combat situations. Additionally, specific anatomic and pathologic imaging cases from combat situations are presented, including traumatic brain injury, chest, abdomen/pelvis, and skeletal trauma. Combat Radiology will appeal not only to military radiologists and surgeons, but also to civilian emergency radiologists and trauma physicians who encounter patients with ballistic and blast injuries resulting from armed conflict, terrorism, and disaster situations.

The 11 chapters in this book have been selected from the contents of the Interventional Radiology 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 procedures and techniques are described, variations are discussed and recent imaging advances are detailed.

This manual is a comprehensive guide to radiological imaging for the diagnosis of diseases and disorders in children. The fourth edition has been fully revised and features many new topics, providing the latest advances in the field. Divided into 35 chapters, the book covers all the main imaging modalities – CT, MRI, ultrasound and digital radiography, and their use in the diagnosis of disorders in different body systems. Numerous radiological images, tables and boxes further enhance the extensive text. Key points Comprehensive guide to radiological imaging in children Fully revised, fourth edition, featuring many new topics and latest advances Covers all the main imaging modalities accompanied by radiological photographs, tables and boxes Previous edition (9789350252055) published in 2011

Textbook of Veterinary Diagnostic Radiology

Grainger & Allison's Diagnostic Radiology Essentials E-Book

Musculoskeletal and Breast Imaging

Grainger and Allison's Diagnostic Radiology: Interventional Imaging

Veterinary Consult The Veterinary Consult version of this title provides electronic access to the complete content of this book. Veterinary Consult allows you to electronically search your entire book, make notes, add highlights, and study more efficiently. Purchasing additional Veterinary Consult titles makes your learning experience even more powerful. All of the Veterinary Consult books will work together on your electronic "bookshelf", so that you can search across your entire library of veterinary books. Veterinary Consult: It's the best way to learn! Book Description User-friendly and comprehensive, this essential resource covers all aspects of canine, feline, and equine diagnostic radiology and interpretation. It features relevant coverage of the physics of radiology, CT, and MRI, as well as valuable information on patient positioning and management, radiographic technique and safety measures, normal and abnormal anatomy, radiographic viewing and interpretation, and alternative imaging modalities. This edition features more than 500 additional images, a new chapter on the principles of digital imaging, and expanded coverage of brain and spinal cord imaging.

This new edition is a complete guide to diagnostic imaging of the chest and cardiovascular system. Beginning with an overview of chest radiology, techniques and anatomy, the following sections discuss imaging for different pulmonary diseases. The second part of the book covers diagnostic imaging for cardiovascular disorders and includes a chapter on children with congenital heart disease. The fourth edition has been fully revised to provide radiologists with the latest information in their field, and includes new chapters on basic patterns of lung disease on CT, and miscellaneous interstitial lung diseases such as acute respiratory distress syndrome, lipoid pneumonia, and emphysema. The comprehensive text features discussion on the increasing use of image-guided interventions, and is further enhanced by radiological images and tables. Key points Fourth edition presenting latest advances in diagnostic imaging for pulmonary and cardiovascular disorders Fully revised text with new topics added Highly illustrated with radiological images and tables Previous edition (9788184488685) published in 2010

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).

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.

Pitfalls in Diagnostic Radiology

Christensen's Physics of Diagnostic Radiology

Genitourinary Imaging

Combat Radiology

This second edition has been fully updated to provide radiologists with all the recent technological advances in diagnostic radiology. Divided into six

sections, it covers all the key aspects of the imaging – ultrasound, computed tomography, magnetic resonance imaging, radiography and interventional radiography, and contrast media. The final section discusses miscellaneous topics including evidence based radiology, radiation protection, molecular imaging, planning a modern imaging department, and common drugs used. A separate chapter is dedicated to picture archiving and data management. This comprehensive new edition includes nearly 600 full colour radiological images and illustrations. Key points Fully updated, new edition presenting recent technological advances in diagnostic radiology Covers all key imaging techniques Includes nearly 600 radiological photographs and illustrations Previous edition published in 2007

The practice of diagnostic radiology has become increasingly complex, with the use of numerous imaging modalities and division into many subspecialty areas. It is becoming ever more difficult for subspecialist radiologists, general radiologists, and residents to keep up with the advances that are occurring year on year, and this is particularly true for less familiar topics. Failure to appreciate imaging pitfalls often leads to diagnostic error and misinterpretation, and potential medicolegal problems. This textbook, written by experts from reputable centers across the world, systematically and comprehensively highlights the pitfalls that may occur in diagnostic radiology. Both pitfalls specific to different modalities and techniques and those specific to particular organ systems are described with the help of numerous high-quality illustrations. Recognition of these pitfalls is crucial in helping the practicing radiologist to achieve a more accurate diagnosis.