

Paediatric Radiology For Mrcpch And Frcr Second Edition

This new textbook has an international authorship and is a practical, up-to-date resource for clinicians responsible for the care of children with oncologic and malignant hematologic disease. It is specifically designed for practicing oncologists and hematologists, pediatricians with an interest in childhood cancer and trainees seeking a systematic approach to these disorders. This new textbook has an emphasis on the visual presentation and ease of reading of contemporary and comprehensive information for children's cancers and contains detailed tables, fact boxes and illustrations. The textbook begins with an introduction to the general principles of the scientific foundation and treatment of childhood cancers and hematological malignancies. Separate sections are then devoted to descriptions of central nervous system tumors, hematological malignancies and solid tumors of childhood which encompass epidemiology, cellular and molecular biology, cancer genetics, immunology, pharmacology and the findings of clinical trials. For each area of science covered, key original references and reviews are highlighted to direct further reading. Diagnostic, biological, and therapeutic issues are integrated into each tumor-specific chapter, with evidence supporting the current rationales for risk stratification and the development of novel therapies. A final section then explores supportive care, palliative care, late effects considerations and psychosocial issues as relate to children's cancer.

Clinical Ultrasound has been thoroughly revised and updated by a brand new editorial team in order to incorporate the latest scanning technologies and their clinical applications in both adult and paediatric patients. With over 4,000 high-quality illustrations, the book covers the entire gamut of organ systems and body parts where this modality is useful. It provides the ultrasound practitioner with a comprehensive, authoritative guide to image diagnosis and interpretation. Colour is now incorporated extensively throughout this edition in order to reflect the advances in clinical Doppler, power Doppler, contrast agents. Each chapter now follows a consistent organizational structure and now contains numerous summary boxes and charts in order to make the diagnostic process practical and easy to follow. Covering all of the core knowledge, skills and experience as recommended by the Royal College of Radiologists, it provides the Fellow with a knowledge base sufficient to pass professional certification examinations and provides the practitioner with a quick reference on all currently available diagnostic and therapeutic ultrasound imaging procedures. Individual chapters organized around common template therefore establishing a consistent diagnostic approach throughout the text and making the information easier to retrieve. Access the full text online and download images via Expert Consult. Three brand new editors and many new contributing authors bring a fresh perspective on the content. Authoritative coverage of the most recent advances and latest developments in cutting edge technologies such as: colour Doppler, power Doppler, 3D and 4D applications, harmonic imaging, high intensity focused ultrasound (HIFU) microbubble contrast agents, interventional ultrasound, laparoscopic ultrasound brings this edition right up to date in terms of the changes in technology and the increasing capabilities/applications of ultrasound equipment. New sections on musculoskeletal imaging. Addition of coloured text, tables, and charts throughout will facilitate quick review and enhance comprehension.

Nelson Textbook of Pediatrics has been the world's most trusted pediatrics resource for nearly 75 years. Drs. Robert Kliegman, Bonita Stanton, Richard Behrman, and two new editors—Drs. Joseph St. Geme and Nina Schor—continue to provide the most authoritative coverage of the best approaches to care. This streamlined new edition covers the latest on genetics, neurology, infectious disease, melamine poisoning, sexual identity and adolescent homosexuality, psychosis associated with epilepsy, and more. Understand the principles of therapy and which drugs and dosages to prescribe for every disease. Locate key content easily and identify clinical conditions quickly thanks to a full-color design and full-color photographs. Stay current on recent developments and hot topics such as melamine poisoning, long-term mechanical ventilation in the acutely ill child, sexual identity and adolescent homosexuality, age-specific behavior disturbances, and psychosis associated with epilepsy. Tap into substantially enhanced content with world-leading clinical and research expertise from two new editors—Joseph St. Geme, III, MD and Nina Schor, MD—who contribute on the key subspecialties, including pediatric infectious disease and pediatric neurology. Manage the transition to adult healthcare for children with chronic diseases through discussions of the overall health needs of patients with congenital heart defects, diabetes, and cystic fibrosis. Recognize, diagnose, and manage genetic conditions more effectively using an expanded section that covers these diseases, disorders, and syndromes extensively. Find information on chronic and common dermatologic problems more easily with a more intuitive reorganization of the section.

Radiology plays a fundamental role in the diagnosis and management of childhood diseases. This is reflected in both paediatric and radiology post graduate exams, where candidates are expected to have a working knowledge of paediatric pathology, clinical manifestations and appropriate radiological investigations. Building on the great success of the first edition, Paediatric Radiology for MRCPCH and FRCR retains the popular preexisting structure of the book, but presents an improved variety of clinical cases as well as updated text in-keeping with advances in medical practice and technology. There is more emphasis on cross-sectional imaging, as candidates are increasingly encountering these sophisticated imaging tests in postgraduate exams. Images have been updated, and all the clinical information has been reviewed and revised accordingly. Contains over 100 clinical cases, presented in exam format, with answers overleaf Includes a wide range of common and rare paediatric conditions with supplementary images to illustrate additional points Uses classic examination images, with salient radiological and clinical summaries of each condition - the "hot lists" Carries specific information for paediatricians and radiologists for each case An introductory chapter on the basic concepts of imaging aims to provide the reader with an approach to radiological imaging and an awareness of the different modalities available, with new sections on non-accidental injury and radiation protection.

This exam-orientated book is specifically aimed at candidates for the Membership of the Royal College of Paediatrics and Child Health (MRCPCH) and the Fellowship of the Royal College of Radiologists (FRCR). The book contains over 100 cases presented in an exam format with answers. It includes a wide range of common and rare conditions, with supplementary radiographs to illustrate additional points and clinical summaries of each condition. contains over 100 cases presented in an exam format, with answers overleaf includes a wide range of common and rare paediatric conditions, with supplementary radiographs to illustrate additional points uses classic examination images, with radiological and clinical summaries of each condition - the "hot lists"

This text covers new innovations and concepts in pediatric thoracic surgery practice, basic science and evidence, and the technical aspects of common and rare operative procedures. It is essential for pediatric surgical trainees and consultants with interest in pediatric thoracic surgery. Providing comprehensive coverage of newer developments, it is also a useful reference work for pediatric and thoracic surgeons and a valuable guide for surgeons (adult or pediatric) managing pediatric thoracic surgery on occasional basis or only during acute emergency. Covering the subjects within pediatric thoracic surgery (non-cardiac) in significant depth, this book acts as a reference text for consultants undertaking pediatric thoracic work as well as for pediatric respiratory, anesthetists and fetal medicine doctors. Topics within this book will also be of interest to pediatric respiratory physicians and pediatric oncologists.

This new edition presents the latest developments in paediatric nephrology. Divided into fourteen sections, the book begins with an introduction to the basics of nephrology and the physiology of fluids, electrolytes and minerals, followed by renal evaluation and clinical syndromes. The following sections provide detailed coverage of the diagnosis and management of different renal disorders that may be encountered in children, including chronic kidney disease and acute kidney injury. Three chapters are dedicated to neonatal nephrology and the final section covers topics such as urinary tract infection,

rickets and infectious diseases and the kidney. The second edition has been fully updated and features nearly 400 images, illustrations and tables to enhance learning. The extensive author team includes contributors from Connecticut, North Carolina, Missouri and Great Ormond Street Hospital, London. Key points Fully revised, new edition presenting latest developments in paediatric nephrology Fourteen sections cover diagnosis and treatment of numerous kidney disorders Includes section on neonatal nephrology Previous edition published in 2004

This innovative text, modelled on the current RCPCCH syllabus for paediatric training, provides all the information that the senior house officer and specialist registrar in paediatrics will need during training and when preparing for the MRCPCH examination. A series of chapters discussing general principles in paediatric medicine is followed by a s

After more than 75 years, Nelson Textbook of Pediatrics remains your indispensable source for definitive, state-of-the-art answers on every aspect of pediatric care. Embracing the new advances in science as well as the time-honored art of pediatric practice, this classic reference provides the essential information that practitioners and other care providers involved in pediatric health care throughout the world need to understand to effectively address the enormous range of biologic, psychologic, and social problems that our children and youth may face. Brand-new chapters and comprehensive revisions throughout ensure that you have the most recent information on diagnosis and treatment of pediatric diseases based on the latest recommendations and methodologies. "The coverage of such a wide range of subjects relating to child health makes this textbook still the gold standard and companion for all pediatricians across the world." Reviewed by Neel Kamal, Sept 2015 "All in all, this is an excellent and detailed paediatric review textbook which represents excellent value for money..truly a textbook for the global community" Reviewed by glycosmedia.com, Sept 2015 Form a definitive diagnosis and create the best treatment plans possible using evidence-based medicine and astute clinical experiences from leading international authors-many new to this edition. A NEW two-volume layout provides superior portability and exceptional ease of use. Gain a more complete perspective. Along with a broader emphasis on imaging and molecular diagnoses and updated references, the new edition includes an increased focus on international issues to ensure relevance in pediatrics practice throughout the world. Effectively apply the latest techniques and approaches with complete updates throughout 35 new chapters, including: Innovations in Addressing Child Health and Survival in Low Income Settings; Developmental Domains and Theories of Cognition; The Reggio Emilia Educational Approach Catatonia ; Refeeding Syndrome; Altitude-associated Illness; Genetic Approaches to Rare and Undiagnosed Diseases; Healthcare?Associated Infections; Intrapartum and Peripartum Infections; Bath salts and other drugs of abuse; Small Fiber Polyneuropathy; Microbiome; Kingella kingae; Mitochondrial Neurogastrointestinal Encephalomyopathy; Nonalcoholic Fatty Liver Disease; Plagiocephaly; CNS Vasculitis; Anterior Cruciate Ligament Rupture; and Sports-Related Traumatic Brain Injury. Recognize, diagnose, and manage genetic and acquired conditions more effectively. A new Rehabilitation section with 10 new chapters, including: Evaluation of the Child for Rehabilitative Services; Severe Traumatic Brain Injury; Spinal Cord Injury and Autonomic Crisis Management; Spasticity; Birth Brachial Plexus Palsy; Traumatic and Sports-Related Injuries; Meningomyelocele; Health and Wellness for Children with Disabilities. Manage the transition to adult healthcare for children with chronic diseases through discussions of the overall health needs of patients with congenital heart defects, diabetes, and cystic fibrosis. Understand the principles of therapy and which drugs and dosages to prescribe for every disease. Expert Consult eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, and references from the book on a variety of devices.

Edited by a well-known expert at the Children's Hospital of Philadelphia, this comprehensive handbook combines a full-color atlas featuring over 1,100 illustrations with a detailed text covering all aspects of child health. The book is organized primarily by body system and covers clinical features, epidemiology, investigations, differential diagnosis, treatment, and prognosis for all disorders seen in children.

Illustrations include clinical photographs, imaging, charts, graphs, and histology where appropriate.

As patients live longer and need to be treated over the long term and the management of pediatric cardiology problems and congenital heart disease moves more into the mainstream, turn to Pediatric Cardiology for current clinical guidance. Trust Dr. Robert Anderson, godfather of cardiac morphology, to bring you coverage of potential cardiovascular anomalies, all potential diseases related to anomalies or developmental problems, and methods for management and treatment. New contributors from all over the world-including 70% new to this edition-present the latest challenges in the field and emphasize the adolescent and post-operative outcomes for management. Now, in full color, this leading reference offers you everything you need to treat and manage pediatric heart conditions. A comprehensive and exhaustive reference of fundamental and clinical aspects of heart disease in infancy and childhood. The contributors are well-known experts in the field and the editors are a world class group who have published extensively in the field. Emphasizes the treatment of corrected congenital heart disease for coverage of the clinical management of cardiac problems in the adolescent and young adult. Integrates development in chapters on lesions to make physiology clinically relevant for the specific cardiac lesions. Provides the latest clinical perspectives on neonate cardiac development management issues so you can offer the best long-term care. Presents the contributions of 70% new authors, from all over the world, in a consistent format to make referencing global perspectives quick and easy. Captures the nuances of the anatomical structure of lesions through full-color illustrations depicting morphologic, congenital, and surgically corrected examples for exceptional visual guidance.

This book of 600 SBA questions and explanatory answers has been written to aid students preparing for the exam by current trainees in clinical radiology, coordinated through The Society of Radiologists in Training (SRT).

Suitable for aspiring paediatricians who want to pass MRCPCH Part 1 examination, this book includes over 350 questions that are of a combination of MCQs, EMQs and Best of Fives to reflect the balance of questions in the exam and offer targeted, effective revision. It incorporates changes to the MRCPCH Part 1 exam.

The latest edition of this popular book covers the "how-to" of respiratory care of newborns. Chapters from the previous edition have been updated to reflect advances in both equipment and practice, while newer chapters reflect the evolving worldwide approaches to neonatal respiratory failure, such as sustained inflation, optimization of lung volume, and the use of volumetric capnography, aerosol therapy, and management of chylothorax. New additions to the book also include chapters on assessment of large data bases, implementation of quality improvement programs in neonatal respiratory care, chronic ventilation of the baby with non-respiratory failure. The text also features case studies for self-review and is illustrated with high quality radiographic images, figures, tables, and algorithms. Written and edited by international experts, the Manual of Neonatal Respiratory Care, Fourth Edition is a thorough update and remains a convenient source of practical information on respiratory physiology, exam techniques, tips for performing procedures, radiography, ventilation, pain management, transport, and discharge planning.

This new clinical resource brings you a state-of-the-art comprehensive review on every clinical condition encountered in pediatric nephrology in one concise, clinically focused text. International experts provide you with the latest on epidemiology, diagnosis, investigations, management, and prognosis for a full range of pediatric kidney disorders. A full-color, highly visual, meticulously crafted format, makes this material remarkably easy for you to access and apply. Comprehensive Pediatric Nephrology also serves as an ideal resource for board review study for the ABP subspecialty boards in pediatric nephrology. Just the right amount of "need-to-know" basic science coupled with practical clinical guidance for every disorder helps you make efficient, informed decisions. The book provides a much needed update on the genetic origins of pediatric kidney disorders. Chapters about glomerulonephritis, nephrotic syndrome, and tubular disorders provide an orientation in the pathophysiology, differential diagnosis, and treatment of these heterogeneous disease entities. Disease specific chapters include diagnostic work-up, laboratory evaluation, and management of disorders and complications, making this necessary

information readily accessible. The prevention and management of pediatric chronic renal failure and its complications are comprehensively covered in many detailed chapters. Four chapters devoted to childhood hypertension offer you insights into an increasingly prevalent condition among pediatric patients so you can treat them more effectively. A chapter on the role of the interventional radiologist in pediatric nephrology keeps you apprised of the latest advances in a key area in the field. The function of complementary and alternative medicine in patients with renal disease is reviewed for the first time in a standard pediatric nephrology textbook. A consistent organization throughout and a full-color layout lets you find diagnostic guidance quickly.

Reflecting the latest change to the exam, the introduction of single best answer questions (SBAs), this book is completely up to date and offers a valuable insight into the new exam format. Providing candidates with a wealth of practice questions and organized by subject matter into the modular format, this comprehensive collection of practice SBAs is designed to help candidates assess their own knowledge, aiding thorough preparation for the exam. The book opens with an introduction to the exam, which includes advice on how to prepare for it and information on what to expect. It also offers helpful advice on question comprehension and answer strategies to help candidates achieve exam success. Written by practising Specialist Registrars and Junior Consultants in radiology, and supplemented with detailed explanatory text referenced to major radiology journals and specialist textbooks, Get Through Final FRCR Part A is the essential revision tool for all Specialist Registrars taking the Final FRCR exam.

The sixth edition of this acclaimed operative atlas continues to provide a unique level of comprehensive detail on the full range of conditions presented in childhood, including the fetus and neonate, that can be treated by surgical means. All chapters have been thoroughly revised and updated throughout with new line diagrams where necessary. Also

This textbook is alone in focusing on the subject of cardiac magnetic resonance (CMR) imaging in pediatric and adult patients with congenital heart disease. The topic of congenital heart disease imaging is usually relegated to a single chapter in most general CMR texts. The expanding scope of CHD warrants a text dedicated to covering CHD and CMR imaging in detail. Our proposed book aims to be a comprehensive and authoritative text on this subject. This book is a multi-authored, illustrated text that includes supplementary access to a number of clinical videos. Authors have been selected from imaging experts in the most medically advanced areas of the world, heavily weighted by experts in the US and Europe to produce the quintessential reference in this topic.

Beginning with the scientific basis of tumors, this book provides up-to-date information on epidemiology, cytogenetics, and molecular biology, before examining current treatments for the full range of pediatric tumors. Integration of surgery, neoadjuvant and adjuvant chemotherapy, and radiation therapy is a dominant theme. In addition, chapters on supportive care, palliative care, and the role of parents' associations reflect the book's holistic approach. All chapters are written by world-renowned international authorities on pediatric cancer from major children's cancer groups. Excellent full-color pictures and line drawings illustrate all aspects of managing childhood tumors, including details of operative techniques neglected in many other texts. This comprehensive book, expanded and updated to encompass the very latest developments and strategies, provides a contemporary approach for pediatric, general, and urological surgeons dealing with childhood tumors.

A scientifically rigorous, multidisciplinary approach to Sudden Infant Death Syndrome, for practitioners, researchers and families alike.

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.

This concise textbook covers all the practical and theoretical aspects necessary for those taking exams or wishing to update their knowledge of pediatric ENT medicine. The book is divided into sections covering rhinology, otology and head and neck problems. Uniformly structured chapters, written by internationally recognized experts in their fields, cover all relevant topics comprehensively and succinctly. The book includes more than 300 figures, almost half in color. This useful and reader-friendly textbook will be inspirational to young specialists with an interest in pediatric ENT, useful to those who are due to take their final exams, and informative for established specialists.

"ACoRN (short for Acute Care of at-Risk Newborns) was developed by an expert group of Canadian neonatal care providers and educators. Since launching in 2005, ACoRN has been taught across Canada and internationally, in formats varying from 1- to 3-day local, regional, or provincial/territorial workshops to module-based learning over a period of weeks. As with many education programs, ACoRN has evolved from didactic sessions and tabletop simulations to the hands-on, simulation-based workshops utilized today.

Updates to the first edition of the text were published in 2010 and 2012 to add new content (on therapeutic hypothermia, for example)"--

Heart disease in children has a number of diagnostic traps for the unwary, and all of us involved in the specialty have been caught at one time or another. For example, it is sometimes very difficult to differentiate between respiratory and cardiac disease in infants and between neurological and cardiac conditions in older children, and the consequences of taking the wrong path can be significant. This book is a collection of cases highlighting situations which can ensnare even the best cardiologist. Although they

illustrate the importance of taking a good history and performing a thorough examination, the most important lesson is learning to keep an open mind and develop the ability to think laterally. As clinicians we need to have the confidence to make a decision for our patients but also the humility to be able to acknowledge that we don't always get it right first time, and it is imperative that we learn from the experience. We hope the reader will find these short chapters interesting and while they are not evidence-based medicine in the true sense, they do represent a wide range of clinical experience from which we can all learn. ?

Radiographs and other scans regularly form part of the written and oral components of both undergraduate and postgraduate medical examinations. Written by a combination of two specialist radiologists based at Great Ormond Street Hospital, one of the largest children's hospitals in Europe, and a clinical paediatrician, Paediatric Imaging: Clinical Cases gives a unique, multidisciplinary perspective on this important subject. The book adopts a case-by-case approach to present 80 example questions with comprehensive model answers that will prove invaluable to both paediatricians and radiologists preparing for postgraduate examinations, and will also appeal to undergraduate medical students considering specialising in paediatrics or radiology later in their training.

The definitive guide to revision for the MRCPCH examination. 25 Chapters covering all areas the MRCPCH syllabus in note format. Concise presentation of information, with hints and tips. Vital facts presented in an attractive user-friendly format. Diagrams, pie charts, lists, illustrations and bullet points to aid learning.

Features images from common paediatric conditions. This book includes modern modalities like ultrasound, CT and MRI scans. It is suitable for paediatricians and radiologists alike.

Newborn Surgery, Third Edition provides a comprehensive compendium of the pathophysiology, investigation and management of neonatal disorders. Areas covered include in this new edition include: Preoperative assessment Anesthesia Postoperative management Nutrition Ethical considerations in newborn surgery Head, neck, and chest surgery Esophagus and gastrointestinal tract surgery Liver and biliary tract surgery Anterior abdominal wall defects Tumors Spina bifida and hydrocephalus Genitourinary issues Long-term outcomes in newborn surgery With its uniquely comprehensive coverage of neonatal surgical specialties, this book is the first stop for anyone looking to supplement their knowledge in this broad and increasingly disparate field, including pediatric surgeons, general surgeons with pediatric practice, neonatologists, pediatricians, and pediatric radiologists.

Vast experience has been gained over the past decade in safely transporting, monitoring, and imaging neonates, a highly vulnerable patient group. Technological advances in MRI hardware such as higher field strength systems, multi-channel coils, higher gradient performance, and MR compatible incubators with integrated antennae laid the ground for more detailed, higher resolution anatomical MR imaging. This issue provides separate reviews on the use of MR imaging in the evaluation of encephalopathy, postmortems, spinal dysraphia, and inflicted brain injury as well as neonatal neuro MR imaging and MR-guided cardiovascular interventions.

This book is "innovative and original in assisting the reader to apply the principles of science to paediatric practice . Professor Neena Modi, President, Royal College of Paediatrics and Child Health. The Science of Paediatrics, MRCPCH Mastercourse, provides essential background preparation for the MRCPCH Theory and Science examination. It contains an up-to-date review of the application of science to everyday paediatric clinical practice, whether it is interpreting clinical signs or investigations, prescribing drugs or identifying best management. Although this understanding is essential in order to make informed clinical decisions, it is difficult to obtain as it is not usually covered in clinical textbooks. Key features • MRCPCH exam-format questions embedded in each chapter to test understanding • Emphasis on embryology to explain many congenital abnormalities • An overview of the relevant anatomy and physiology • Focus on the application and interpretation of investigations • Examples of recent advances in science and clinical research that have benefited the children's care • All clinical specialties covered by paediatric specialists. • Chapters covering evidence-based paediatrics, statistics, ethics and quality improvement.

CMR is a powerful tool in the armamentarium of pediatric cardiology and health care workers caring for patients with congenital heart disease (CHD), but a successful study still presents major technical and clinical challenges. This text was created to give trainees, practitioners, allied professionals, and researchers a repository of dependable information and images to base their use of CMR on. Because CHD presents an intricate web of connections and associations that need to be deciphered, the imager performing CMR needs to understand not only anatomy, physiology, function, and surgery for CHD, but also the technical aspects of imaging. Written by experts from the world's leading institutions, many of whom pioneered the techniques and strategies described, the text is organized in a logical way to provide a complete understanding of the issues involved. It is divided into three main parts: The Basics of CMR - familiarizes the reader with the minimum tools needed to understand the basics, such as evaluating morphology, ventricular function, and utilizing contrast agents CMR of Congenital and Acquired Pediatric Heart Disease - discusses broad categories of CHD and the use of CMR in specific disease states Special Topics in Pediatric Cardiac MR - covers other important areas such as the complementary role of CT scanning, interventional CMR, the role of the technologist in performing a CMR exam, and more With the ever increasing sophistication of technology, more can be done with CMR in a high quality manner in a shorter period of time than had been imagined as recently as just a few years ago. Principles and Practice of Cardiac Magnetic Resonance in Congenital Heart Disease: Form, Function, and Flow makes a major contribution to applying these techniques to improved patient care. An ideal introduction for the novice or just the curious, this reference will be equally useful to the seasoned practitioner who wants to keep pace with developments in the field and would like a repository of information and images readily available.

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.

This extensively illustrated volume has been specifically geared towards optimal use of MRI systems. The text provides essential theoretical background information: Imaging acquisition and potential pitfalls are also examined in detail. Most importantly, structured guidelines are provided on the interpretation of clinical data in the wide range of cardiac pathology that can be encountered.

The product of a world center of excellence in teaching and medical and surgical practice, this handbook combines the advantages of a colour atlas with those of a short textbook covering clinical features, epidemiology, investigations, and differential diagnosis. Illustrations include clinical photos, imaging, charts, graphs, and histology where appropriate.

The author/editor team, supported by specialist contributions from clinicians at Institute of Child Health/Great Ormond Street, offers an unmatched range of expertise in a compact volume. The book is of lasting reference value to pediatricians in training and practice, and to professionals in many other disciplines.

Detection and characterization of bone tumors with imaging remains a big challenge for every radiologist notwithstanding the impressive progress achieved by the introduction of several new imaging modalities. Moreover, new concepts in surgical and oncological treatment of these lesions require from the radiologist appropriate and focused answers to the specific questions asked by the referring physicians in order to choose the best therapeutic approach for the individual patient. This comprehensive textbook describes in detail the possibilities and limits of all modalities, including MRI, CT, nuclear medicine and interventional radiological procedures, employed for the modern imaging of tumoral and tumor-like lesions of bone. Their role in the diagnosis, surgical staging, biopsy and assessment of response to therapy is discussed in detail, covering all tumor subtypes as well as their specific anatomical location. Well selected and technically impeccable illustrations strongly enhance the didactic value of this work. I am very much indebted and grateful to the three editors: A. Mark Davies, Murali Sundaram and Steven L. J. James, world authorities in musculoskeletal radiology, for their superb scientific achievement in preparing and editing this wonderful volume as well as for their individual chapters. I would also like to thank the large international group of collaborating authors, who are also widely acknowledged for their specific expertise in the area of bone tumors, for their outstanding contributions.

Written and edited by global leaders in the field, Pediatric Liver Transplantation: A Clinical Guide covers all aspects of treatment and management regarding this multifaceted procedure and unique patient population. This practical reference offers detailed, focused guidance in a highly templated, easy-to-consult format, covering everything from pre-transplantation preparation to surgical techniques to post-operative complications. Provides an in-depth understanding of all aspects of pediatric liver transplantation, ideal for pediatric hepatologists, pediatric transplant surgeons, and others on the pediatric transplant team. Covers all surgical techniques in detail, including split graft, living related, auxiliary, and domino. Discusses pediatric liver transplantation consideration for an increasing number of additional metabolic, hematologic and renal conditions; breakthroughs in grafting and stem cell therapy; and techniques and present role of hepatocyte transplantation. Uses a quick-reference templated format; each chapter includes an overview, pathophysiology, conventional management, controversies, and bulleted summary of key take-aways. Includes state-of-the-art mini-reviews based on updated references and author experience throughout the text. Features a full-color design with numerous algorithms, figures, and radiological and histopathological photos.

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