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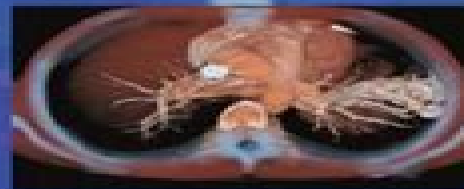
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Pediatric Chest Imaging

Chest Imaging in Infants and Children

2nd Revised Edition

J. Lucaya
J. L. Strife
Editors



 Springer

Pediatric Chest Imaging Chest Imaging In Infants And Children Medical Radiology

John Caffey, Walter E. Berdon



Pediatric Chest Imaging Chest Imaging In Infants And Children Medical Radiology:

Pediatric Chest Imaging Javier Lucaya, Janet L. Strife, 2002 Imaging of the pediatric chest has changed significantly over the past 20 years predominantly owing to the introduction of new technology With these advances knowledge of pediatric chest diseases has expanded considerably This book presents the state of the art in the diagnosis of pediatric chest disorders highlighting the role played by advanced technology As the conventional features of most of these disorders are extremely well known special attention is devoted to the technical aspects of the modern imaging modalities their indications and the diagnostic information that they supply Individual chapters focus on chest ultrasound nuclear medicine imaging high resolution chest CT helical CT and cardiac MRI Others are directed towards specific disorders including congenital malformations of the chest chest tumors pulmonary infection trauma the lung in systemic diseases the airway foreign bodies the thymus and the chest wall Without exception the authors of this book are internationally known specialists with great expertise in imaging pediatric patients and deep knowledge of pediatric diseases This book will serve as a handy superbly illustrated reference for all who routinely image children as well as for those who need access to information on how best to image them

Pediatric Chest Imaging Pilar Garcia-Peña, R. Paul Guillermin, 2014-08-09 Since the second edition of Pediatric Chest Imaging was published in 2007 there have been further significant advances in our understanding of chest diseases and continued development of new imaging technology and techniques The third revised edition of this highly respected reference publication has been thoroughly updated to reflect this progress Due attention is paid to the increased role of hybrid imaging and entirely new chapters cover topics such as interventional radiology lung MRI functional MRI diffuse interstitial lung disease and cystic fibrosis As in previous editions the focus is on technical aspects of modern imaging modalities their indications in pediatric chest disease and the diagnostic information that they supply Pediatric Chest Imaging will be an essential asset for pediatricians neonatologists cardiologists radiologists and pediatric radiologists everywhere

Pediatric Uroradiology Javier Lucaya, Janet L. Strife, 2012-12-06 Imaging of the pediatric chest has changed significantly over the past 20 years New technology has been introduced and knowledge of pediatric chest diseases has expanded considerably This book presents the state of the art in the diagnosis of pediatric chest disorders highlighting the role played by advanced technology Special attention is devoted to the technical aspects of the modern imaging modalities their indications and the diagnostic information that they supply Some chapters focus on the use and role of individual modalities while others address in detail specific disorders Without exception the authors are internationally known experts in the field This superbly illustrated book which is unique in covering all the essential aspects of pediatric chest imaging will serve as an invaluable reference for all specialists who routinely image children as well as for those who need access to information on how best to image them

Coronary Radiology Matthijs Oudkerk, Maximilian F Reiser, 2010-04-21 During the past decade coronary radiology has undergone rapid development This second edition of the only available monograph on

the subject places special emphasis on the role of non invasive techniques which can supply information on the condition of the coronary arteries within one simple and short examination The modalities considered in detail include CT angiography with multidetector and dual source tomography 2D and 3D visualization techniques and MR coronary angiography Invasive procedures are not neglected however and a separate section includes chapters on conventional catheterization quantitative angiography and intravascular and quantitative ultrasound In addition a section devoted to coronary calcification clearly explains its development and the use of modern techniques in its visualization and quantification The informative text is supported by a large number of high quality color images of the coronary and cardiac anatomy Radiology of Osteoporosis Stephan Grampp, 2008-03-18 This second edition of Radiology of Osteoporosis has been fully updated so as to represent the current state of the art It provides a comprehensive overview of osteoporosis the pathologic conditions that give rise to osteoporosis and the complications that are frequently encountered After initial chapters devoted to pathophysiology the presentation of osteoporosis on conventional radiographs is illustrated and discussed Thereafter detailed consideration is given to each of the measurement methods employed to evaluate osteoporosis including dual x ray absorptiometry vertebral morphometry spinal and peripheral quantitative computed tomography quantitative ultrasound and magnetic resonance imaging The role of densitometry in daily clinical practice is appraised Finally a collection of difficult cases involving pitfalls is presented with guidance to their solution The information contained in this volume will be invaluable to all with an interest in osteoporosis *Radiation Oncology* Jiade J. Lu, Luther W. Brady, 2008-11-23 Radiation Oncology An Evidence Based Approach ROEBA is a reference book designed to enable radiation oncologists including those in training to make diagnostic and treatment decisions on the basis of the best available scientific evidence Ease of use is ensured by a structured reader friendly format that offers rapid access to evidence based recommendations ROEBA s orientation is entirely practical in that the focus is solely on diagnostic staging and treatment issues Detailed diagnostic and therapeutic guidelines are provided for multidisciplinary cancer management as well as radiation therapy techniques The evidence underlying each recommendation is clearly and concisely explained and the strength of the recommendations and evidence is systemically graded Furthermore diagnostic and treatment algorithms are provided for the commonly diagnosed cancers This ground breaking text on radiation oncology is an essential tool for physicians in their daily clinical practice *Bildgebung des Thorax bei Neugeborenen und Kleinkindern* Michael Riccabona, Meinrad Beer, Hans-Joachim Mentzel, 2018-10-10 Die optimale Anwendung bildgebender Diagnostik am Thorax bei Fr h und Neugeborenen S uglingen und Kleinkindern wird in diesem Buch umfassend beschrieben Dazu z hlen die besonders bei Kindern anspruchsvollen Anforderungen an die Ger teausstattung und Untersuchungstechnik sowie an den Strahlenschutz Ausf hrlich und reich bebildert werden die Auswahl der geeigneten Verfahren und typische Befunde f r Erkrankungen und Fehlbildungen im Thoraxbereich dargestellt neben Differenzialdiagnosen die beachtet werden sollten sind klinische Informationen eingearbeitet die f r die Verfahrenswahl und

Interpretation der Befunde von Bedeutung sind Auch einige thorakale Erkrankungen bei Kindern und Jugendlichen jenseits des Kleinkindalters sind ber cksichtigt Anhand von 14 beispielhaften F llen die das gesamte Spektrum der thorakalen Erkrankungen der Altersgruppe umrei en kann die Befundung in Quizform trainiert werden High-Resolution Sonography of the Peripheral Nervous System Siegfried Peer,Gerd Bodner,2008-11-05 Since the first edition of this book sonography of the peripheral nervous system has evolved further This second revised edition includes many state of the art high resolution images the text has been adapted to reflect the current state of the literature and information is presented using a more modern layout This book provides a practical clinically oriented overview of all aspects of sonographic diagnosis and interventional therapy of the peripheral nervous system *Technical Basis of Radiation Therapy* Seymour H Levitt,Seymour H. Levitt,James A. Purdy,Carlos A. Perez,S. Vijayakumar,2008-02-07 With contributions by numerous experts *Intracranial Vascular Malformations and Aneurysms* Michael Forsting,Isabel Wanke,2008-11-04 This book describes the pathoanatomical pathophysiological and imaging features of vascular malformations and aneurysms of the brain and the modern minimally invasive endovascular methods and techniques employed in their treatment Individual chapters are devoted to developmental venous malformations cavernomas and capillary telangiectasias pial arteriovenous malformations dural arteriovenous malformations and intracranial aneurysms Each chapter is subdivided into four principal sections on pathology clinical presentation diagnostic imaging and therapy ensuring a standardized approach throughout All chapters in this 2nd revised edition of Intracranial Vascular Malformations and Aneurysms have been thoroughly updated The book is richly illustrated with numerous informative CT MR and DSA images including high end 7 Tesla MR images *Rational Use of Diagnostic Imaging in Paediatrics* WHO Study Group on the Rational Use of Diagnostic Imaging in Paediatrics,1987 **Technical Report Series** ,1987 **Imaging of Pediatric Chest - An Atlas** Arun Kumar Gupta,2015-08-30 Imaging of Pediatric Chest An Atlas is a concise highly illustrated atlas presenting state of the art diagnosis of paediatric chest disorders using the latest imaging modalities This book is comprised of thirteen chapters beginning with guidance on the interpretation of a chest radiograph and the use of ultrasound in chest imaging Subsequent chapters focus on specific chest conditions detailing which imaging modalities produce the best results for each disorder from neonatal respiratory distress to pulmonary infections and interstitial lung diseases Modalities covered in Imaging of Pediatric Chest An Atlas include chest radiography as the primary modality CT scan in surgical conditions and the use of ultrasound With over 250 full colour images throughout the book this is an ideal book for paediatricians and radiologists who wish to keep up to date with developments in the field Key Points Concise illustrated guide to diagnosing paediatric chest disorders using the latest imaging modalities Covers the use of radiography computed tomography and ultrasound 252 full colour images **Verzeichnis lieferbarer Bücher** ,2002 Neonatal-perinatal Medicine Avroy A. Fanaroff,Richard J. Martin,Richard John Martin,1992 **Pediatric Radiology** Jack O. Haller,T. L. Slovis,Aparna Joshi,2005-12-05 This basic text introduces the reader to all facets of pediatric imaging

from the importance of understanding X ray exposure to children through the appropriate indications for ordering a particular examination It covers basic problems in each organ system There is a quiz after most of the clinical chapters The text is aimed at the novice while the pictures of classic important imaging findings are designed to test the mature pediatric caregiver and the radiologist beginning training The information conveyed in this text is essential for pediatric house staff entering radiology residents pediatric nurse practitioners emergency room physicians and practicing pediatricians It will be valuable to all physicians who deal with children as a segment of their practice This book serves as the basic text for any of the above individuals taking a rotation through a pediatric imaging department and for orienting pediatric personnel within the imaging department *Practical Pediatric Imaging* Donald R. Kirks, 1991 [Pediatric Radiology](#) Derek C.

Harwood-Nash, Holger Pettersson, 1992 Bogen koncentrer sig om neuroradiologi og p diatriske r ntgenunders gelser

Caffey's Pediatric X-ray Diagnosis John Caffey, Walter E. Berdon, 1985 [Pediatric Imaging Essentials](#) Michael Riccabona, 2013-11-27 For all radiologists diagnosing infants and children knowledge of best practices in pediatric imaging is essential to safely obtaining high quality images and achieving accurate diagnoses This practical text covers current guidelines and key topics in the field including choice of modality equipment and dosages child specific diseases typical imaging findings differential diagnostic aspects and safety factors This book is invaluable for all clinicians and radiologists who diagnose and manage this sensitive population Special Features Explores the use of all standard imaging modalities in children as compared to adults especially with regard to ultrasound CT and MRI Supplies more than 600 high quality images to help in interpreting findings including imaging of suspected child abuse Shows how to adapt examination protocols and equipment requirements for the specialized needs of pediatric patients Describes important safety protection measures in children utilizing the ALARA principle of radiation exposure As Low As Reasonably Achievable Summarizes a wide array of pediatric diseases and disorders in a concise checklist format including clinical features imaging findings differential diagnosis associated syndromes and treatment recommendations Includes lists of indications summary tables imaging protocols case studies and quiz questions to test your knowledge This book provides a fundamental understanding of imaging in infants and children and is an ideal practice oriented reference for residents fellows in pediatric radiology and general radiologists It is also written for pediatricians pediatric surgeons and other interested doctors and specialists who want to know more about imaging specifics in the pediatric age group

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