Pediatric Ultrasound

Harriet Paltiel

Pediatric Ultrasound Rose De Bruyn,2005 The book takes an evidence-based approach to common diagnostic imaging dilemmas in pediatric ultrasound. It provides clear and referenced pediatric imaging guidelines for common and controversial dilemmas.

Pediatric Ultrasound Michael Riccabona, 2020-10-15 This book, now in a revised and updated second edition, systematically covers the use of ultrasound in all organ systems throughout childhood. After discussing the basics, including physics, ultrasound methods, and artifacts, it elucidates decision-making regarding the use of ultrasound by discussing diagnostic flow charts based on recommended imaging algorithms. The main part of the book addresses ultrasound investigations of the various organs. It documents the indications and prerequisites for specific examinations and offers practical tips and tricks. The normal, age-dependent ultrasound findings and typical appearances in different pathologies are presented in detail and illustrated by numerous high-quality images, with a particular emphasis on those findings that differ from the adult sonographic appearances. And finally, dedicated chapters explore point-of-care and emergency ultrasound, interventional ultrasound, and present orienting tables. This state-of-the-art book covers modern techniques and applications, like contrast-enhanced ultrasound, ultrasound elastography, and automated-image optimization, as well as all pediatric ultrasound applications from point-of-care ultrasound and orienting assessment also at the intensive care unit/emergency room to more detailed and advanced applications, e.g., in dedicated tertiary referral centers. Pediatric Ultrasound is an invaluable source of information and an indispensable aid to decision-making and diagnosis for radiology residents, (pediatric) radiologists, sonographers,

pediatricians, (pediatric) surgeons, urologists, and all other physicians who deal with children as a part of their daily practice.

Pediatric Sonography Marilyn J. Siegel,2011 Offering practitioners a complete working knowledge of the latest scanning technologies and the clinical applications of ultrasound in pediatric and adolescent patients, this edition features more than 1,800 clear, sharp images, including over 300 full-color images throughout.

Pediatric Ultrasound E-Book Rose de Bruyn,Kassa
Darge,2010-06-17 Pediatric ultrasound is different to adult ultrasound in all respects. The equipment chosen for pediatric work has different requirements, the technique of scanning is different, the normal anatomy changes throughout childhood and the pathology encountered in childhood are unique to children. This book addresses the 'how', 'why' and 'when' of pediatric ultrasound. Each chapter begins with the 'how': how to scan and what special techniques or tricks to use when scanning children. The 'why' and 'when' discuss the pathology and use of other imaging modalities - an essential skill in pediatric radiology where the limitation of both radiation exposure and number of examinations is of paramount importance. Accessible, step-by-step approach Covers the practical aspects of scanning, as well as the role, value and limitations of ultrasound in diagnosing different diseases Written at a level suitable for both students and practitioners

Pediatric Ultrasound, An Issue of Ultrasound Clinics, Harriet Paltiel,2013-07-12 This issue of Ultrasound Clinics addresses pediatric applications. Topics include: Chest; Spine; Adrenal; Pancreas and Spleen; Bladder; Gynecology; Portal Hypertension; Unusual Abdominal; Hepatic, Renal and Multivisceral Transplantation; Abdominal Emergencies.

Pediatric Ultrasound Harriet J. Paltiel, Edward Y. Lee, 2021-09-07

This essential book is a unique, authoritative and clinically oriented text on pediatric ultrasound. It provides up-to-date information addressing all aspects of congenital and acquired disorders in children encountered in clinical practice. The easy-to-navigate text is divided into 20 chapters. Each chapter is organized to cover the latest ultrasound techniques, normal development and anatomy, anatomic variants, key clinical presentations, characteristic ultrasound imaging findings, differential diagnoses and relevant pitfalls. With more than 2400 images, examples of new technological developments such as contrast-enhanced ultrasound and elastography are included. Written by internationally known pediatric radiology experts and editorial team lead by acclaimed authors, Harriet J. Paltiel, MDCM and Edward Y. Lee, MD, MPH, this reference is a practical and ideal guide for radiologists, radiology trainees, ultrasound technologists as well as clinicians in other specialties with an interest in pediatric ultrasound.

Diagnostic Pediatric Ultrasound Erik Beek,Rick R. van Rijn,2015-08-19 Marked by a consistent, easy-to-follow structure and thousands of supporting illustrations, Diagnostic Pediatric Ultrasound is the complete go-to reference for daily practice. It clearly shows why ultrasound is the pediatric imaging modality of first choice, offering safe, non-invasive, high-quality results that lead to an accurate diagnosis. Providing a wide range of normal reference images for comparison with pathologic findings, the book is essential for any clinician using ultrasonography in pediatric care. Special Features: Organized, didactic chapter structure that includes a concise introduction, indications for ultrasound, examination techniques, normal anatomy and variants, measurement tables of developing organs, and descriptions of pathologic findings for every anatomic region and organ system Nearly 1700 high-quality images that depict

all conditions in exquisite detail Unique Tips from the Pros that offer practical insights gained through actual clinical experience with pediatric patients Hundreds of current references for further reading Instructive ultrasound video clips available on Thieme Media Center Complete with advice for creating a child-friendly environment, examining infants and children, communicating with parents, and diagnosing complex cases, Diagnostic Pediatric Ultrasound makes a major contribution to the field. It will increase the knowledge and skills of all pediatric and general radiologists, radiology residents, pediatricians, and other specialists who use ultrasound to care for this sensitive population.

Pediatric Sonography Marilyn J. Siegel,2011-12-21 Pediatric Sonography, Fourth Edition gives you a complete working knowledge of the latest scanning technologies and the clinical applications of ultrasound in pediatric and adolescent patients. Readers will find just the guidance they need to determine the most appropriate imaging method for evaluating a specific clinical problem, conduct the sonographic examination, and interpret the findings. The book shows the sonographic appearance of normal anatomy and disease processes within each organ system and points out technical and interpretive artifacts and errors that can affect evaluations. This edition features more than 1,800 clear, sharp images, including over 300 full-color images throughout. Other highlights include a new chapter on breast sonography, discussions of the uses and limitations of mobile instrumentation, and expanded coverage of ultrasound-guided interventional procedures.

Atlas of Pediatric Ultrasound Tanveer Khalid Zubairi,2014-05-14

Contrast-Enhanced Ultrasound in Pediatric Imaging Paul S.

Sidhu,Maria E. Sellars,Annamaria Deganello,2020-09-02 This book is a

comprehensive guide to the rapidly evolving field of contrastenhanced ultrasound (CEUS) in the child. The uses and interpretation of CEUS are clearly explained with the aid of numerous illustrations. The coverage encompasses both established indications, such as focal liver lesions, abdominal solid organ injury, and vesicoureteral reflux, and a range of newer applications. Extensive information is also provided on microbubble agents and their use in the pediatric age group, as well as on practical aspects of setting up a CEUS service for children. CEUS is a safe imaging method that is ideal for the young patient and can be used for problem solving in a number of clinical situations. Ultrasound combined with microbubble contrast avoids the ionizing radiation of a CT examination, the use of iodinated contrast, the need for sedation or a general anesthetic, and the complexities of MR imaging. In bringing readers up to date with best practice and the latest innovations in CEUS, this book will be of value for pediatric radiologists, pediatric sonographers/technicians, and pediatricians.

Pediatric Ultrasound Brian D. Coley,2010 In this second part of a two-part issue on Pediatric US, imaging of the body with ultrasound is reviewed.? Genitourinary system is covered by articles on urinary tract infections, renal cystic disease, and scrotal ultrasound.? Articles on ultrasound of the gastrointestinal tract in the young infant, the vomiting young infant, the acute abdomen, and liver masses make up the abdominal topics.? Lastly a review of new techniques for pediatric ultrasound is provided.

Pediatric Emergency Critical Care and Ultrasound Stephanie J. Doniger,2014-04-24 The first bedside ultrasonography resource focusing on pediatric patients, covering ultrasonography principles, techniques and diagnostic application in all organ systems.

Pediatric Emergency Ultrasound Marsha A. Elkhunovich, Tarina

L. Kang,2020-05-07 This concise, portable manual provides practitioners and future practitioners with a basic guide to pediatric emergency ultrasound, enabling them to learn the fundamentals of bedside ultrasound and use these to refresh their skills prior to, or when, performing it on a patient.

Fetal and Pediatric Ultrasound Harris L. Cohen, Carlos J. Sivit, 2001 Features: * 120 unknown cases individually presented, that introduce a variety of topics that covers the spectrum of work necessary to know in fetal and pediatric ultrasound practice * Detailed answers with explanation; discussion * Covers entities diagosed by ultrasound in pediatric cases * Includes correlative imaging * Includes information on third trimester cases

Pediatric Ultrasound Brian D. Coley, Robert A. Kane, M.d., Jonathan Kruskal, 2006-04-01 This issue provides an overview of areas for which ultrasound can be used instead of X-Rays, that can be dangerous to growing bodies.

Pediatric Ultrasound Michael Riccabona, 2014-04-04 Ultrasound (US) plays an extremely important role in diagnostic imaging of neonates, infants, and children. This book systematically covers the use of US in all organ systems throughout childhood. After discussion of the basics, including physics, artifacts, and procedural details, decision making regarding the use of US is elucidated by discussing next diagnostic steps based on recommended imaging algorithms. The indications and prerequisites for a particular examination are listed, and practical tips and tricks are highlighted. The normal, agedependent findings and typical appearances in different pathologies are then presented and illustrated by numerous high-quality images. Particular emphasis is placed on those findings that differ from the adult US appearances. Pediatric Ultrasound will prove an

indispensable source of information for radiology residents, experienced (pediatric) radiologists, sonographers, pediatricians, and all other physicians who deal with children in their daily practice.

Pediatric Ultrasound Part 1, an Issue of Ultrasound Clinics Brian D. Coley,2010-03-26 Ultrasound is an ideal modality for imaging younger patients. Because of the effects of radiation on growing bodies, ultrasound is a safe and versatile option for radiologists to choose. This issue provides a timely overview of the important areas for which ultrasound can be used.

Pediatric Sonography Marilyn J. Siegel,1994 Now in its Third Edition, Pediatric Sonography has been revised and expanded to give you a complete working knowledge of the latest scanning technologies and the growing clinical applications of ultrasound in pediatric patients. Readers will find just the guidance they need to determine which imaging method is most appropriate for evaluating a specific clinical problem...conduct the sonographic exam...recognize the sonographic appearance of normal anatomy as well as disease processes within each organ system...be more aware of technical and interpretative errors that can affect evaluations...and understand why this cost-effective, non-invasive technique is ideal for imaging children. This edition features more than 1,700 clear, sharp images...more pulsed Doppler sonograms...and more color images.

Diagnostic and Interventional Ultrasound in Pediatrics and Pediatric Surgery Stefan Scholz, Marcus D. Jarboe, 2015-11-25 This book presents a comprehensive, state-of the-art guide and review of ultrasound applications for children and infants with surgical problems. It is meant as a single source to provide information about sonographic application, interpretation and technique for a diversity of pediatric surgical care providers, making it a useful tool for the

ultrasound novice as well as the more advanced ultrasonographer. Sections address initial obstacles faced by a physician starting with ultrasound such as the scanning techniques, underlying anatomy and normal sonographic findings. The initial chapter provides an introduction and basic overview about ultrasound theory and techniques. Subsequent chapters focus on specific body parts and systems and their disease processes as it pertains to pediatric and neonatal patients. The text also includes a chapter on abdominal trauma and its evaluation with the FAST (focused abdominal sonography for trauma) exam. Diagnostic and Interventional Ultrasound in Pediatric Surgery serves as a useful resource for a broad spectrum of pediatric care providers, including a growing number of ultrasound users, surgeons and pediatricians alike.

Case Studies in Pediatric Emergency and Critical Care Ultrasound David J. McLario, John L. Kendall, 2013-10-10 Clinician-performed bedside ultrasound is an exciting new development in medicine. Numerous diagnostic and procedural applications show great promise for improving the care of children. Many pediatric providers, however, remain unaware of its potential and ultrasound continues to be under-utilized in both the investigation and management of ill and injured children. Case Studies in Pediatric Emergency and Critical Care Ultrasound illustrates the utility of bedside ultrasound in a variety of scenarios, including the emergency setting and critical care unit. A wide range of diagnostic and procedural applications are covered in fifty-nine cases, recreating real-life experiences of expert practitioners. The cases are concise and readable, with teaching points that highlight how ultrasound can be used to expedite and focus pediatric care. With hundreds of high-quality images, and video content accompanying many cases, this text is essential reading for

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