

Wilfred C.G. Peh
Editor

Pitfalls in Diagnostic Radiology

 Springer

Pitfalls In Diagnostic Radiology

J. Christian Fox



Pitfalls In Diagnostic Radiology:

Pitfalls in Diagnostic Radiology Wilfred C. G. Peh, 2014-11-10 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. **Pitfalls in Diagnostic Radiology** J. O. M. C. Craig, 1993 [Pitfalls in](#)

[Musculoskeletal Radiology](#) Wilfred C. G. Peh, 2017-08-11 This superbly illustrated book offers comprehensive and systematic coverage of the pitfalls that may arise during musculoskeletal imaging, whether as a consequence of the imaging technique itself or due to anatomical variants or particular aspects of disease. The first section is devoted to technique specific artifacts encountered when using different imaging modalities and covers the entire range of advanced methods including high resolution ultrasonography, computed tomography, magnetic resonance imaging, and positron emission tomography. Advice is provided on correct imaging technique. In the second section, pitfalls in imaging interpretation that may occur during the imaging of trauma to various structures and of the diseases affecting these structures are described. Misleading imaging appearances in such pathologies as inflammatory arthritides, infections, metabolic bone lesions, congenital skeletal dysplasia, tumors, and tumor like conditions are highlighted, and normal variants are also identified. **Pitfalls in Musculoskeletal Radiology** will be an invaluable source of information for the practicing radiologist, facilitating recognition of pitfalls of all types and avoidance of diagnostic errors and misinterpretations with their medicolegal implications. **Variants and Pitfalls in Body**

Imaging Ali Shirkhoda, 2012-03-28 **Variants and Pitfalls in Body Imaging** Second Edition is the key to identifying features on images that can impede accurate diagnosis, particularly normal anatomic variants and technical artifacts that mimic pathology. Covering the abdomen, pelvis, and thorax, and all current imaging modalities, this sourcebook explains how to differentiate normal anatomic variants, technical artifacts, and other diagnostic pitfalls from pathologic conditions. Organized by site for easy reference, the book covers CT, MRI, ultrasound, and nuclear medicine. This edition includes advanced technologies such as multidetector CT scanning for cardiovascular imaging, CT and MR enterography for enterocolitis, virtual colonoscopy, CT and MR urography, prostate and breast MR imaging, and PET-CT scanning. Well-respected radiologists walk the reader through specific body areas, describing problems, solutions, and relevant anatomy. A companion website will include the fully searchable text and images. **Errors in Imaging** Haris Chrysikopoulos, 2019-11-21 This book offers a thorough

clear and practical guide to identifying preventing and correcting any error or bias that may arise during the interpretation and reporting of medical images It combines information and insights from the fields of radiology expertise theory cognitive psychology and advanced learning practices with the author s considerable clinical radiologic experience In addition the book features an extensive Teaching Cases Section that simulates real world situations giving readers an opportunity to practice what they have just learned The purpose of the book is to provide readers with essential information and strategies and to point out the deficiencies of the current radiology education system in order to minimize the occurrence and the clinical impact of errors in imaging by offering the proper education and training for imaging professionals It offers a valuable guide for diagnostic radiologists and all other imaging professionals whether in training or in practice Though the main emphasis is on computed tomography and magnetic resonance the general principles are applicable to all conventional imaging modalities Hepatobiliary Imaging, An Issue of Radiologic Clinics of North America, E-Book Benjamin M.

Yeh, Frank H. Miller, 2022-08-28 In this issue of Radiologic Clinics guest editors Drs Benjamin M Yeh and Frank H Miller bring their considerable expertise to the topic of Hepatobiliary Imaging Top experts in the field offer comprehensive reviews of every major aspect of hepatobiliary imaging biliary cancer trauma vascular disorders and benign liver disease This issue also includes articles on imaging modalities MR CT ultrasound contrast agents and Pearls and Pitfalls Contains 13 practice oriented topics including abbreviated MR liver protocols update on MR contrast agents for liver imaging what to use and when biliary imaging interpretation pearls and pitfalls CT and MRI update on biliary cancer imaging atypical liver malignancies and diagnostic pitfalls and more Provides in depth clinical reviews on hepatobiliary imaging offering actionable insights for clinical practice Presents the latest information on this timely focused topic under the leadership of experienced editors in the field Authors synthesize and distill the latest research and practice guidelines to create clinically significant topic based reviews Imaging of the Upper Limb, An Issue of Radiologic Clinics of North America Giuseppe

Guglielmi, Alberto Bazzocchi, 2019-07-27 This issue of Radiologic Clinics of North America focuses on Imaging of the Upper Limb and is edited by Drs Giuseppe Guglielmi and Alberto Bazzocchi Articles will include Functional and surgical anatomy of the upper limb what the radiologist needs to know Overuse injuries of the shoulder The acutely injured shoulder Overuse injuries of the elbow The acutely injured elbow Overuse injuries of the wrist The acutely injured wrist Imaging of rheumatic diseases affecting the upper limb Imaging of upper limb tumours and tumour like pathology Imaging the post surgical upper limb the radiologist perspective MR imaging of the upper limb pitfalls tricks Ultrasound imaging dynamic evaluation of the upper limb Upper limb intervention Imaging of peripheral nerves and more Abdominal Imaging E-Book Dushyant V Sahani, Anthony E Samir, 2010-10-29 Abdominal Imaging a title in the Expert Radiology Series edited by Drs Dushyant Sahani and Anthony Samir is a comprehensive reference that encompasses both GI and GU radiology It provides richly illustrated advanced guidance to help you overcome the full range of diagnostic therapeutic and interventional challenges in abdominal

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Clinical MRI of the Abdomen Nicholas C. Gourtsoyiannis, 2011-02-04 This volume which explains why when and how abdominal MRI should be used focuses in particular on the most recent developments in the field After introductory chapters on technical considerations protocol optimization and contrast agents MRI of the various solid and hollow viscera of the abdomen is addressed in a series of detailed chapters Relevant clinical information is provided and state of the art protocols presented With the help of numerous high quality illustrations normal variant and abnormal imaging findings are described and potential artefacts highlighted Differential diagnosis is given extensive consideration and comparisons are made with competing methodologies when relevant Each of the chapters is rounded off by a section on pearls and pitfalls The closing chapters focus on findings in the pediatric abdomen advances in MRI specifically relevant to cancer patients and the use of abdominal MRI at 3 Tesla This book written by leading experts will be of value to all who are involved in learning performing interpreting and reporting abdominal MRI examinations

Normal MR Anatomy, An Issue of Magnetic Resonance Imaging Clinics Peter S. Liu, 2011-08-28 This issue provides an overview of anatomy for the practicing radiologist using MR Neuroanatomy is covered in separate articles on the brain neck spine and skull base Body imaging is reviewed in articles on chest abdomen breast and pelvis and finally the musculoskeletal system is thoroughly displayed by articles on shoulder elbow wrist and hand knee and ankle and foot Long bones of the upper and lower extremities are reviewed in separate articles as well

Clinical Emergency Radiology J. Christian Fox, 2017-03-16 This book is a highly visual guide to the radiographic and advanced imaging modalities such as computed tomography and ultrasonography that are frequently used by physicians during the treatment of emergency patients Covering practices ranging from ultrasound at the point of care to the interpretation of CT scan results this book contains over 2 200 images each with detailed captions and line art that highlight key findings Within each section particular attention is devoted to practical tricks of the trade and tips for avoiding common pitfalls Overall this book is a useful source for experienced clinicians residents mid level providers or medical students who want to maximize the diagnostic accuracy of each modality without losing valuable time

Advances in Clinical Radiology, E-Book 2020 Frank H. Miller, 2020-09-01 Advances in Clinical Radiology was established to review the year's most important questions in clinical radiology A distinguished editorial board headed by Dr Frank Miller identifies key areas of major progress and controversy and invites preeminent specialists to contribute original articles devoted to these topics These insightful overviews in radiology bring concepts to a clinical level and explore their everyday impact on patient care

Pediatric Chest Imaging Pilar Garcia-Peña, R. Paul

Guillerman,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

Atlas of Mammography Ellen Shaw De Paredes,2007 Featuring over 1 500 mammographic images this atlas is a comprehensive guide to interpreting mammograms It presents the full spectrum of manifestations of breast diseases as well as cases involving the postsurgical and augmented breast Chapters are organized according to the pattern seen on the mammogram to develop readers pattern recognition skills and to allow quick and complete definition of etiologies and clinical implications for a particular finding This edition includes new chapters on the augmented breast the role of ultrasound and MRI in breast imaging and imaging guided breast interventions The terminology of the BI RADS lexicon is used throughout

Radiology Without Tears- E-Book Satyendra Raghuwanshi,Sandeep Singh Awal,2024-08-07 With the changing demands of residency exams in India the favoured books are those that are concise take the least amount of time to read and are most informative Radiology Without Tears Mastering Radiology OSCEs is your definitive guide to mastering radiology OSCEs with confidence and precision This comprehensive resource is meticulously crafted to meet the needs of radiology residents and practitioners preparing for their DMRD MD DNB EDiR and FRCR Part 2 examinations With 130 OSCEs spanning various systems in radiology this book is designed to ensure a thorough and well rounded preparation Each case is packed with high yield information regarding the key radiological findings radiological signs differential diagnosis and differentiating points Residents preparing to navigate through the practical exams and vivas will find this review book rewarding and easy to remember Salient Features Comprehensive Coverage Detailed review of essential radiological cases for OSCE exams across various systems Clear Content Simplified and concise explanations of complex radiological principles Bridging the Gap Enhances clinical skills by connecting theoretical knowledge with practical application Reader friendly Systematic organization for easy navigation and quick review Annotated Images Includes helpful illustrations and differentiating points for complex cases

Imaging of Gynecologic Malignancy: The Current State of the Art, An Issue of Radiologic Clinics of North America, E-Book Aradhana M. Venkatesan,2023-05-13 In this issue guest editors bring their considerable expertise to this important topic Contains 12 practice oriented topics including adnexal mass imaging radiomics and radiogenomics of ovarian cancer implications for treatment monitoring and clinical management imaging of cervical cancer MRI of gynecologic tumors pearls

pitfalls and tumor mimics image guided radiotherapy for gynecologic malignancies what the radiologist needs to know and more Provides in depth clinical reviews on gynecologic malignancy offering actionable insights for clinical practice Presents the latest information on this timely focused topic under the leadership of experienced editors in the field Authors synthesize and distill the latest research and practice guidelines to create clinically significant topic based reviews **Comprehensive Textbook of Clinical Radiology Volume VI: Musculoskeletal System - eBook** C Amarnath,Hemant Patel,Gaurang Raval,N Varaprasad Vemuri,Deepak Patkar,2023-05-15 Comprehensive Textbook of Clinical Radiology Volume VI Musculoskeletal System eBook

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