

Emergency Pediatric Radiology

[#emergency pediatric radiology](#) [#pediatric emergency imaging](#) [#children's urgent scans](#) [#acute child diagnostic imaging](#) [#pediatric radiology emergencies](#)

Emergency pediatric radiology provides critical diagnostic imaging services for infants, children, and adolescents facing urgent medical conditions. Our specialized team and advanced technology ensure rapid, accurate evaluation using methods like X-rays, CT, and MRI scans, crucial for timely intervention in pediatric emergencies.

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Emergency Pediatric Radiology

This unique book covers the main clinical presentations of children to an emergency room and considers in detail the radiological investigation of such emergencies. Numerous high-quality illustrations of the radiological manifestations of acutely presenting illness in children ensure that the volume will serve as a rapid reference source for both pediatricians and radiologists. All of the authors are specialist pediatric radiologists who provide emergency radiological services on a daily basis, and the text reflects this level of expertise.

Emergency Pediatric Radiology

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Emergency Pediatric Radiology

Part of the "What Do I Do Now?: Emergency Medicine" series, Pediatric Emergency Radiology uses a case-based approach to cover common and important topics in radiology imaging for pediatric emergency care. Each chapter provides a discussion of the diagnosis, key points to remember, and selected references for further reading. Areas of controversy are clearly delineated with a discussion regarding evidence-based options and a balanced view of treatment and disposition decisions. The book addresses a wide range of topics including neonatal respiratory distress, foreign body ingestion, Bronchiolitis, and related radiology issues faced by emergency medicine providers and pediatricians. Pediatric Emergency Radiology is an engaging collection of thought-provoking cases which clinicians can utilize for effective imaging of pediatric patients. The volume is also a self-assessment tool that tests the reader's ability to answer the question, "What do I do now?"

Pediatric Emergency Radiology

An engaging collection of thought-provoking cases which clinicians can utilize for effective imaging of pediatric patients in emergency situations.

Pediatric Emergency Radiology

This book provides up-to-date, comprehensive, and accurate information on the diagnostic imaging of nontraumatic abdominal emergencies in pediatric patients. All of the most common neonatal and pediatric emergencies are covered, with separate discussion of diseases that occur more commonly in newborns and those typically encountered later in childhood. For each condition, the main signs observed using the various imaging techniques – X-ray, Ultrasonography, Computed Tomography, and Magnetic Resonance – are described and illustrated with the aid of a wealth of images. Attention is drawn to those features of particular relevance to differential diagnosis, and the prognostic value of diagnostic imaging is also explained. The final section addresses topics of special interest, including the acute onset of abdominal neoplasms, the problems associated with radiation protection in the emergency setting, and medicolegal issues and informed content. The book will be of value for all radiologists working in emergency settings in which pediatric patients (newborn and children accessing the emergency department) are regularly examined.

Imaging Non-traumatic Abdominal Emergencies in Pediatric Patients

Emergency Musculoskeletal Imaging in Children is a practical, concise, and easy-to-read guide to the radiologic workup of acute musculoskeletal injuries and conditions in children. The book is conveniently organized by anatomic site and covers all acute injuries and conditions of the upper and lower extremities encountered in the emergency room, outpatient clinic, and office. Close attention is also given to normal findings and anatomic variants that can mimic pathology. More than 600 MR, CT, ultrasound, and radiographic images complement the text.

Emergency Musculoskeletal Imaging in Children

Pediatric Radiology Review contains a vast array of information on embryology, anatomy, surgery and a lot more. This book also contains a review of radiographs in children, as well as the most common radiological problems with which students, residents and clinicians may be confronted on a daily basis. It is the first reference of its kind available, and it contains easy-to-read question and answer format for quick diagnosis.

Pediatric Radiology Review

This book offers readers with concise and practical guide to pediatric emergency radiology with most common neonatal and pediatric emergencies in neurological system, respiratory system, digestive system, and trauma covered. The typical manifestations of disease using the various imaging techniques, X-ray, Ultrasonography, CT and MRI, are described with tips in differential diagnosis. The rapid development of imaging equipment in terms of imaging technology, post-processing and artificial intelligence evaluation is also discussed. It will be an invaluable reference book not only for radiologists working in emergency settings with pediatric patients, but also for pediatricians and medical students working in related field.

Pediatric Emergency Radiology

Children and infants comprise up to 20% of emergency department visits, and emergency physicians must be knowledgeable in choosing the most appropriate imaging modality to arrive at an accurate diagnosis and provide optimal patient care. Written specifically for the non-specialist and those with limited pediatric training, *Pediatric Imaging for the Emergency Provider* provides expert guidance in this challenging area. Abundant high-quality imaging examples cover the full range of pediatric disorders you're likely to see, including trauma, musculoskeletal, pulmonary, ENT, cardiac, genitourinary, gastroenterology, neurological, and neonatal patients. Presents more than 80 common and important rare cases, supported with 450+ images across relevant modalities including ultrasound, radiography, CT, and MRI. Identifies key radiographic findings for various pediatric conditions including congenital heart lesions, surgical entities, infectious disease processes, and traumatic injuries. Accompanies images with clear, concise text that makes it easy to grasp the most clinically significant points of each case. Provides expert guidance on best practices in important areas of pediatric imaging such as sedation, ionizing radiation exposure reduction, and imaging modality selection.

Pediatric Imaging for the Emergency Provider E-Book

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.

Emergency Radiology in Childhood

Third edition (first was 1973) of the 1980 *Radiology of the newborn and young infant* incorporating the proliferating imaging modalities. Swischuk (radiology and pediatrics, U. of Texas Medical Branch, Galveston), author of the classic on emergency pediatric radiology, here presents a rationale to sort out the options available to the well-equipped radiologist. Annotation copyrighted by Book News, Inc., Portland, OR

Emergency Radiology of the Acutely Ill Or Injured Child

This book presents evidence-based criteria to systematically assess the appropriate use of medical imaging in the emergency department and other acute care settings. Over the last decade, there have been profound changes in the diagnostic testing and work-up of patients presenting to the emergency department with emergent symptoms. One of the most far-reaching changes has been the increased availability, speed, and accuracy of imaging due, in part, to technical improvements in imaging modalities such as CT, MR, and PET. Although the use of high-end imaging has plateaued in general, increased utilization continues in the ED. These patients are more acutely ill and there is additional pressure to make an accurate diagnosis as quickly as possible to facilitate prompt disposition or treatment. There is also strong evidence for the beneficial use of imaging in the emergency setting that results in improved patient outcomes. This book answers that need by providing protocols and guidelines for neuroradiological, cardiothoracic, abdominal and pelvic, musculoskeletal, and pediatric imaging are reviewed in terms of the available imaging modalities, diagnostic criteria, and treatment options. Distinguished by its unique focus on evidence-based emergency imaging in adults, children, and special populations, this book is a unique resource for radiologists, emergency medicine physicians, and physicians in other specialties who need to be informed about the most appropriate uses of diagnostic imaging in the emergency care setting.

Pediatric Radiology

Written by one of the most eminent pediatric radiologists, this popular textbook is a practical, concise, and easy-to-read guide to the radiologic workup of acute illnesses and injuries in children. The book is conveniently organized by anatomic site and covers all acute conditions encountered in the emergency

room, outpatient clinic, and office. Close attention is also given to normal findings and anatomic variants that can mimic pathology. More than 2,100 MR, CT, ultrasound, and plain film images--350 new to this edition--complement the text. This edition features expanded coverage of abdominal ultrasound, pulmonary infections, skeletal fractures, and cervical spine injuries. A Brandon-Hill recommended title.

Imaging of the Newborn, Infant, and Young Child

This book aims to equip readers with a sound understanding of the imaging strategies that are appropriate in children with acute abdominal conditions. The starting points are the clinical conditions, which are outlined in an introduction presented by pediatrician experts in emergency medicine, and the age groups, with differentiation of children and infants from neonates. The various conditions and their frequency are documented in detail, with clear description and illustration of the presentations on different imaging modalities. A large majority of the included images are from recent examinations and have been obtained using the most up-to-date techniques. The therapeutic impact of imaging is also explained, and the coverage is completed with helpful decision trees and tables of differential diagnosis. At the end of each chapter a concise resume underlines the main points. *Imaging Acute Abdomen in Children* will be of value for pediatric and general radiologists, radiologists in training, pediatricians, pediatric surgeons, emergency pediatricians, and others with an interest in the subject.

Evidence-Based Emergency Imaging

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.

Emergency Imaging of the Acutely Ill Or Injured Child

This reference work provides a comprehensive and modern approach to the imaging of numerous non-traumatic and traumatic emergency conditions affecting the human body. It reviews the latest imaging techniques, related clinical literature, and appropriateness criteria/guidelines, while also discussing current controversies in the imaging of acutely ill patients. The first chapters outline an evidence-based approach to imaging interpretation for patients with acute non-traumatic and traumatic conditions, explain the role of Artificial Intelligence in emergency radiology, and offer guidance on when to consult an interventional radiologist in vascular as well as non-vascular emergencies. The next chapters describe specific applications of Ultrasound, Magnetic Resonance Imaging, radiography, Multi-Detector Computed Tomography (MDCT), and Dual-Energy Computed Tomography for the imaging of common and less common acute brain, spine, thoracic, abdominal, pelvic and musculoskeletal conditions, including the unique challenges of imaging pregnant, bariatric and pediatric patients. Written by a group of leading North American and European Emergency and Trauma Radiology experts, this book will be of value to emergency and general radiologists, to emergency department physicians and related personnel, to obstetricians and gynecologists, to general and trauma surgeons, as well as trainees in all of these specialties.

Imaging Acute Abdomen in Children

Optimize diagnostic accuracy in the emergency department with *Problem Solving in Radiology: Emergency Radiology*, a new addition to the popular *Problem Solving in Radiology* series. Published in association with the American Society of Emergency Radiology, the medical reference book is designed to help experienced radiologists, residents, or emergency medicine practitioners accurately address problematic conditions and reach the most accurate diagnosis. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Access problem-oriented content that helps you quickly and accurately diagnose patients. Focus on the core knowledge needed for successful results with templated, concise chapters containing both traditional and unusual presentations of pathology. Each chapter will include: Typical Presentation; Variants; Mimickers (what looks like this pathology, but isn't); and Pitfalls (how a diagnosis can be missed and how to avoid it). Stay up to date on today's hot topics in radiology, including radiation concerns when using total body CT for trauma assessment; trauma in the pregnant patient; imaging pediatric craniocerebral trauma; and penetrating trauma to the torso and chest.

Pediatric Emergency Ultrasound

Rapid recognition of life-threatening illnesses and injuries expedites appropriate management and improves clinical outcomes. False-positive interpretations in radiology have been identified as a significant cause of error, leading to unnecessary investigation and treatment, increased healthcare costs, and delays in appropriate management. Moreover, it is important that radiologists do not miss important subtle diagnoses that need urgent intervention. *Pearls and Pitfalls in Emergency Radiology* provides an outline of common imaging artefacts, anatomic variants and critical diagnoses that the radiologist must master in order to guide appropriate care and avoid malpractice lawsuits. One hundred selected cases – illustrated with several hundred images from MRI, MDCT, PET, ultrasound and radiographs – are presented in a succinct and structured format, highlighting key pearls and potential diagnostic pitfalls. The text focuses on emergent presentations of diseases in all body regions in both adults and children.

Atlas of Emergency Imaging from Head-to-Toe

Now available in a compact 4" x 7" format, this portable reference covers the management of emergency conditions seen in pediatric patients. The Fourth Edition includes new sections on pediatric emergency radiology and sports injuries, plus expanded material on infectious diseases and environmental emergencies... "very well written. . . more complete than traditional pocket books." -Pediatric Emergency Care Review-review of the previous edition.

Problem Solving in Emergency Radiology E-Book

A comprehensive reference for emergency radiology and an unsurpassed source of practical information about imaging of the acutely ill and injured patients. While the focus remains on conventional, plain-film radiography--still the most commonly performed examinations in emergency and trauma settings--substantial coverage is given to MRI, CT (including for blunt abdominal & thoracic trauma), CT angiography (for lower & upper extremities and esp. for gunshot wounds) in the emergency dept., and ultrasound. This fifth edition--despite that it's been more than ten years since the fourth--remains the gold standard of texts on emergency radiology, with appeal both to radiologists and emergency medicine specialists.

Pearls and Pitfalls in Emergency Radiology

Get the essential tools you need to make an accurate diagnosis in the emergency department! Part of the popular *Requisites* series, *Emergency Radiology: The Requisites* delivers the conceptual, factual, and interpretive information you need for effective clinical practice in emergency radiology, as well certification and recertification review. Master core knowledge the easy and affordable way with clear, concise text enhanced by at-a-glance illustrations, boxes, and tables – all revised and enhanced with digital content to bring you up to date with today's state of the art knowledge. Presents emergent findings and differential diagnosis tables so that important content is identified clearly within the text. Divides the contents of the book into two sections — trauma and non-trauma — to mirror the way you practice. Organizes the material in structured, consistent chapter layouts for efficient and effective review. Provides clinical material on radiology procedures that define your role in managing a patient with an emergent condition. Prepare for written exams or clinical practice with critical information on CTA in the ED on coronary, aorta, brain, and visceral arteries, plus new protocols for trauma and non-traumatic injuries. Stay up to date on what's new in the field with thoroughly revised content and new, high-quality images obtained with today's best technology. Get optimal results from today's most often-used approaches, including the increase in routine use of "panscan" for trauma patients. Gain a practical, visual understanding of emergency radiology thanks to more than 900 multi-modality images. Study and review in the most efficient way, with structured, consistent chapter layouts for time-saving and effective exam preparation.

Clinical Manual of Emergency Pediatrics

Optimize diagnostic accuracy in the emergency department with *Problem Solving in Radiology: Emergency Radiology*, a new addition to the popular *Problem Solving in Radiology* series. Published in association with the American Society of Emergency Radiology, the medical reference book is designed to help experienced radiologists, residents, or emergency medicine practitioners accurately address problematic conditions and reach the most accurate diagnosis. "This book will have broad appeal to many audiences. It will prove an invaluable resource to any practicing radiologist providing coverage of emergency department imaging, regardless of whether or not the radiologist self-identifies as an

emergency radiologist."Foreword by: Stephen Ledbetter, Chief of Radiology Brigham and Women's Faulkner Hospital, May 2015 Access problem-oriented content that helps you quickly and accurately diagnose patients. Focus on the core knowledge needed for successful results with templated, concise chapters containing both traditional and unusual presentations of pathology. Each chapter will include: Typical Presentation; Variants; Mimickers (what looks like this pathology, but isn't); and Pitfalls (how a diagnosis can be missed and how to avoid it). Stay up to date on today's hot topics in radiology, including radiation concerns when using total body CT for trauma assessment; trauma in the pregnant patient; imaging pediatric craniocerebral trauma; and penetrating trauma to the torso and chest. Access the full text online at Expert Consult.

Harris & Harris' The Radiology of Emergency Medicine

The book, written by expert pediatricians and radiologists, is divided into ten chapters covering neurology, cardiology, neonatology, interventional radiology, the abdomen, the musculoskeletal system, the thorax, the genitourinary system, the fetus, and emergencies. Each chapter comprises ten cases that are presented in a standard way. After discussion of the disorder in question, four representative images are displayed and described with special attention to distinctive features. In addition, informative key references are provided, including a book or book chapter, a web link, and ten recent articles.

Emergency Radiology: The Requisites E-Book

In over 150 cases featuring 600, high-quality images, Emergency Radiology Cases provides a succinct review of problems encountered by Radiologists when on call for the emergency room. Cases are divided into Trauma, Non-Trauma, and Pediatric sections, and categorized by parts of the body including: Brain, Spine, Upper and Lower Extremities, Chest, and Abdomen. Part of the Cases in Radiology series, this book follows the easy-to-use format of question and answer in which the patient history is provided on the first page of the case, and radiologic findings, differential diagnosis, teaching points, next steps in management, and suggestions for furthering reading are revealed on the following page. This casebook is an essential resource for Radiology Residents and practicing Radiologists alike.

Problem Solving in Emergency Radiology

Get the essential tools you need to make an accurate diagnosis in the emergency department! Part of the popular Requisites series, Emergency Radiology: The Requisites delivers the conceptual, factual, and interpretive information you need for effective clinical practice in emergency radiology, as well certification and recertification review. Master core knowledge the easy and affordable way with clear, concise text enhanced by at-a-glance illustrations, boxes, and tables - all revised and enhanced with digital content to bring you up to date with today's state of the art knowledge. Presents emergent findings and differential diagnosis tables so that important content is identified clearly within the text. Divides the contents of the book into two sections - trauma and non-trauma - to mirror the way you practice. Organizes the material in structured, consistent chapter layouts for efficient and effective review. Provides clinical material on radiology procedures that define your role in managing a patient with an emergent condition. Expert Consult eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, images, and references from the book on a variety of devices. Prepare for written exams or clinical practice with critical information on CTA in the ED on coronary, aorta, brain, and visceral arteries, plus new protocols for trauma and non-traumatic injuries. Stay up to date on what's new in the field with thoroughly revised content and new, high-quality images obtained with today's best technology. Get optimal results from today's most often-used approaches, including the increase in routine use of "panscan" for trauma patients. Gain a practical, visual understanding of emergency radiology thanks to more than 900 multi-modality images and easy access to the eBook version. Study and review in the most efficient way, with structured, consistent chapter layouts for time-saving and effective exam preparation.

Imaging for Pediatricians

This book describes and illustrates the gamut of errors that may arise during the performance and interpretation of imaging of both nontraumatic and traumatic emergencies, using a head-to-toe approach. The coverage encompasses mistakes related to suboptimal imaging protocols, failure to review a portion of the examination, satisfaction of search error, and misinterpretation of imaging findings. The book opens with an overview of an evidence-based approach to errors in imaging interpretation in patients in the emergency setting. Subsequent chapters describe errors in radiographic,

US, multidetector CT, dual-energy CT, and MR imaging of common as well as less common acute conditions, including disorders in the pediatric population, and the unique mistakes in the imaging evaluation of pregnant patients. The book is written by a group of leading North American and European Emergency and Trauma Radiology experts. It will be of value to emergency and general radiologists, to emergency department physicians and related personnel, to general and trauma surgeons, and to trainees in all of these specialties.

Emergency Radiology Cases

Traumatic and nontraumatic emergencies of the brain, head, and neck / Glenn Barest, Asim Z. Mian, Rohini N. Nadgir and Osamu Sakai -- Chest trauma / Ryan T. Whitesell and Laura Avery -- Abdomen trauma / Joshua W. Stuhlfaut, Christina A. LeBedis, and Jorge A. Soto -- Extremity trauma / Rathachai Kaewlai and Ajay Singh -- Extremities : nontrauma / Luis E. Diaz -- Imaging evaluation of common pediatric emergencies / Jennifer C. Talmadge, Sarah Sarvis Milla, and Sarah Dantzler Bixby -- Traumatic and nontraumatic spine emergencies / Glenn D. Barest and Margaret N. Chapman -- Nontraumatic emergency radiology of the thorax / Alejandra Duran-Mendicuti, Scott White, Salvatore Viscomi, Michael Stella, and Aaron Sodickson -- Nontrauma abdomen / Stephan W. Anderson, Brian C. Lucey, and Jorge A. Soto -- Pelvic emergencies / Brian C. Lucey -- Vascular emergencies / Russ Kuker, Carlos A. Anaya, Ana Maria Gomez, and Felipe Muner -- Emergency nuclear radiology / Anna K. Chacko and Rashmikant B. Shah

Emergency Radiology

This third edition of Pediatric Radiology-a volume in The Requisites in Radiology series-covers everything from basic principles of interpreting diagnostic imaging studies through cutting-edge techniques. Expert authors Johan G. Blickman, MD, PhD and Patrick D. Barnes, MD are now joined by Bruce R. Parker, MD to provide the latest advances in pediatric radiology in a convenient, quick-access format with high-quality images. This edition features a greater emphasis on differential diagnosis, neuron functional imaging, and coverage of the dynamic topic of cardiac MR. You'll have everything you need to succeed in radiology examinations, subspecialty rotations, and clinical practice. Provides comprehensive yet concise coverage of the core material fundamental to this subspecialty for learning and quick reference. Presents material in a logical anatomic sequence, organized by organ system with eight chapters covering an overview of pediatric imaging, chest, heart, gastrointestinal tract, accessory organs of digestion, genitourinary tract, the skeletal system, and neuroimaging. Features a multi-modality approach to provide you with the most common imaging approaches tailored to each organ system. Emphasizes that pediatric diagnosis is a distinct specialty, as opposed to an aberration from standard adult diagnosis. Includes tables, boxes, pearls, key concepts, and differential diagnosis throughout the text to make key material accessible and easy to reference. Presents expanded coverage-by more than 20%-on the basics of interpreting diagnostic imaging studies of infants and children so you get an even more comprehensive guide that still maintains its concise format. Reflects the advances and changes in the field through extensive updates to many of the images and all the chapters, tables, boxes, FAQs, and Pearls & Pitfalls. Provides new insights from additional co-author Bruce R. Parker, MD-a respected authority in the field-for new approaches to the material. Features an increased emphasis on neuron functional imaging to highlight the recent developments in this area. Includes more differential diagnosis and integrates the diagnosis of emergency conditions throughout the text so you can quickly and easily identify conditions accurately. Captures the prominent and fast-moving area of cardiac MR to keep you abreast of hot new technologies.

Errors in Emergency and Trauma Radiology

This book offers a comprehensive review on the last development in the management and the treatment of acute and life-threatening conditions. Written by leading experts in the field, this book will help the clinician to understand the clinical problems and to select the methodological and technical options that will ensure prompt and effective response and correct interpretation of the clinical findings. This book is richly illustrated and will serve as unique source of information for radiologists and other specialists including neuroradiologists, surgeons, cardiologists, angiologists and gastroenteologists.

Emergency Radiology

In over 150 cases featuring 600, high-quality images, this title provides a succinct review of problems encountered by radiologists when on call for the emergency room. Cases are divided into trauma,

non-trauma, and pediatric sections, and categorized by parts of the body including the brain, spine, upper and lower extremities, chest, and abdomen.

Pediatric Radiology

Emergency Radiology presents a comprehensive review of emergency pathologies commonly encountered by practicing radiologists and residents in training. The first five sections are organized by organ system and include Head, Neck, Face, and Spine, Chest, Abdominal, Pelvic, and Bone emergencies, followed by chapters on Pediatric and Nuclear Medicine emergencies and special topics in emergency imaging. Part of the Rotations in Radiology series, this book offers a guided approach to imaging diagnosis with examples of all imaging modalities complimented by the basics of interpretation and technique and the nuances necessary to arrive at the best diagnosis. Each pathology is covered with a targeted discussion that reviews the definition, clinical features, anatomy and physiology, imaging techniques, differential diagnosis, clinical issues, key points, and further reading. This organization is ideal for trainees' use during specific rotations and for exam review, or as a quick refresher for the established emergency imager.

Emergency Radiology

This book is aimed at trainee and practising radiologists, as well as all other healthcare professionals.

Emergency Radiology Cases

This book presents a comprehensive and modern approach to the imaging of nontraumatic and traumatic emergencies in pregnant patients. Readers will find a careful review of the relevant imaging-related clinical literature, explanation of imaging appropriateness criteria and guidelines, and enlightening discussion of current controversies in the emergency imaging of obstetric patients. The opening chapter discusses general principles of emergency imaging during pregnancy and offers an overview of an evidence-based approach to imaging interpretation. The remainder of the book describes specific applications of ultrasound, MRI, radiography, and MDCT for the imaging of common as well as less common acute brain, spine, thoracic, abdominal, and pelvic conditions during pregnancy. Clear guidance is offered on the unique challenges that may be encountered during such imaging. Emergency Imaging of Pregnant Patients is written by a group of leading North American and European emergency and trauma radiology experts. It will be of value to emergency and general radiologists, to emergency department physicians and related personnel, to obstetricians and gynecologists, to general and trauma surgeons, and to trainees in all of these specialties.

Emergency Radiology

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.

A-Z of Emergency Radiology

This open access book offers an essential overview of brain, head and neck, and spine imaging. Over the last few years, there have been considerable advances in this area, driven by both clinical and

technological developments. Written by leading international experts and teachers, the chapters are disease-oriented and cover all relevant imaging modalities, with a focus on magnetic resonance imaging and computed tomography. The book also includes a synopsis of pediatric imaging. IDKD books are rewritten (not merely updated) every four years, which means they offer a comprehensive review of the state-of-the-art in imaging. The book is clearly structured and features learning objectives, abstracts, subheadings, tables and take-home points, supported by design elements to help readers navigate the text. It will particularly appeal to general radiologists, radiology residents, and interventional radiologists who want to update their diagnostic expertise, as well as clinicians from other specialties who are interested in imaging for their patient care.

Emergency Imaging of Pregnant Patients

Pediatric Radiology: The Requisites focuses on new and emerging trends in pediatric imaging, with expanded content in all core clinical areas. The authors are prominent pediatric radiologists with extensive clinical experience in each of the subspecialty areas covered. Ideal for all radiology residents and practitioners, including specialists and any general radiologist who images children, this book also features coverage of the increasingly important aspects of communication and interpersonal relations with the patient, family, and members of the entire healthcare team. Provides comprehensive yet concise coverage of the core material fundamental to this subspecialty. Presents material in a logical anatomic sequence, organized by organ system. Features a multi-modality approach, providing the most common imaging techniques tailored to each organ system. Includes tables, boxes, pearls, key concepts, and differential diagnosis throughout the text to make key material accessible and easy to reference. Features expanded coverage of new and emerging imaging trends, including state of the art imaging techniques, dose optimization, the roles of the child life specialist and anesthesiologist in pediatric imaging, and the importance of effective communication in pediatric imaging. Focuses on team-based patient care with coverage of the increasingly important aspect of interpersonal relations with the patient, family, and members of the healthcare team. Crucial differences between pediatric and adult imaging are emphasized within each major organ system. Highlights key concepts of pediatric imaging, with special attention paid to dose optimization and the ALARA principle. Includes the newest imaging safety standards surrounding children, focusing on safe radiation dosing and optimization of imaging via lower radiation doses. Provides updated imaging approaches and illustrations of newer techniques applied in common pediatric conditions. 1,120 images clarify basic principles and offer expert image interpretation guidance.

Pediatric Ultrasound

All the key Radiology cases for your rounds, rotations, and exams **Emergency Radiology** presents the challenging cases that are most likely to be encountered by physicians and radiologists in the emergency room. It helps radiologists and emergency physicians correctly interpret images and thus quickly make initial diagnoses on both common and less common disorders. This book can also be used as an effective review guide for those studying for the radiology board exams. Key Features: Examples of critical cases that must be accurately diagnosed to avert potential disaster in daily practice and on exams Clearly labeled, high-quality images help you quickly absorb key findings **RadCases** contains cases selected to simulate everything that you'll see on your rounds, rotations, and exams. **RadCases** also helps you identify the correct differential diagnosis for each case—including the most critical. **RadCases** covers: Cardiac Imaging · Interventional Radiology · Musculoskeletal Radiology · Neuro Imaging · Thoracic Imaging · Pediatric Imaging · Gastrointestinal Imaging · Breast Imaging · Nuclear Medicine · Ultrasound Imaging · Head and Neck Imaging · Genitourinary Imaging Each **RadCases** title features 100 carefully selected, must-know cases documented with clear, high-quality radiographs. The organization provides maximum ease of use for self-assessment. Each case begins with the clinical presentation on the right-hand page; simply turn the page for imaging findings, differential diagnoses, the definitive diagnosis, essential facts, and more. This **RadCases** book comes with a code providing access to additional cases: 100 from this book plus 150 more cases. Learn your cases, diagnose with confidence, and pass your exams. **RadCases**.

Diseases of the Brain, Head and Neck, Spine 2020–2023

Pediatric Radiology: The Requisites E-Book

