Pediatric Imaging Essentials

For all radiologists diagnosing infants and children, knowledge of best practices in pediatric imaging is essential to successful, high-quality results. This informative, reader-friendly text covers current guidelines and key topics in the field, including choice of modality, equipment and dosages, child-specific diseases, and safety factors. It is invaluable for all specialists who diagnose and manage this sensitive, highly targeted population.

Special features:
- Explores the use of all standard imaging modalities in children vs. adults, especially in regard to ultrasound, CT, and MRI
- Supplies more than 600 clear, clinically relevant images to help in visualizing every concept, 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 quick, checklist format, including clinical features, imaging findings, differential diagnosis, associated syndromes, and treatment recommendations for each
- Includes lists of indications, summary tables, flowcharts of imaging protocols, case studies, and quiz questions to test your knowledge

Discussing differences in body proportions, heart and respiratory rates, skeletal structure, and more, this book provides a fundamental understanding of imaging in infants and children as compared to adults. It is an ideal practice-oriented reference for residents, fellows in pediatric radiology, general radiologists, and students preparing for the pediatric sections of the national and international specialty examinations in radiology.