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Nota di contenuto	Chest Radiography in Children: Advances in Techniques: CR, DR, Tomosynthesis, and Radiation Dose Optimization -- Classic Chest Findings, Pearls and Pitfalls -- Chest Ultrasound -- The Contribution of Nuclear Medicine to Pulmonary Imaging -- Helical Multidetector Chest CT -- High-Resolution CT of the Lung in Children: Technique, Indications, Anatomy and features of Lung Disease -- Clinical Applications -- Fetal MRI of the Chest -- Neonatal Chest Imaging -- Pulmonary Malformations Beyond the Neonatal Period -- Congenital and Acquired Large Airway Disorders in Pediatric Patients -- Congenital and Acquired Mediastinal Vascular Disorders in children -- Acute Pulmonary Disease: Infection and Trauma -- Pediatric Tuberculosis -- Foreign Body Aspiration: Imaging Aspects -- Lymphoma and PET-CT. Controversies in Imaging the Chest -- Chest Tumours Other than Lymphoma -- Diffuse/Interstitial Lung Disease -- Thoracic Manifestations of Systemic Diseases -- Radiology of the Chest Wall -- Pediatric Cardiac CT -- Pediatric Cardiac MRI -- Lung MRI, morphology and perfusion -- MRI Functional Imaging: Hyperpolarized gas MRI for

Sommario/riassunto

Since the previous edition of Pediatric Chest Imaging was published in 2007, there have been significant advances in our understanding of chest diseases and continued development of new imaging technology and techniques. The third edition of this highly respected reference publication has been thoroughly revised and 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. The full range of imaging techniques and all important disorders are thoroughly covered. The editors are confident that this latest edition of Pediatric Chest Imaging will be an essential asset for pediatricians, neonatologists, cardiologists, radiologists, and pediatric radiologists everywhere. The combined expert knowledge and experience contained within its pages should contribute in further improving patient care and outcomes.

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