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Titolo	Joint Imaging in Childhood and Adolescence / / by Sergio Lopes Viana, Maria Custódia Machado Ribeiro, Bruno Beber Machado
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Soggetti	Radiology Pediatrics Diagnostic Radiology
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Nota di contenuto	Imaging methods and the immature joint: an introduction -- Peculiarities of the anatomy and development of the normal immature skeleton -- Juvenile idiopathic arthritis -- Juvenile spondyloarthritis and pediatric collagen vascular diseases -- Infectious arthropathies and related diseases -- Chronic recurrent multifocal osteomyelitis (chronic nonbacterial osteitis) -- Articular and periarticular tumors and pseudotumors -- Legg-Calvé-Perthes disease -- Musculoskeletal disorders related to pediatric hematologic diseases -- Accidental and non-accidental articular injuries in the skeletally immature patient -- Sports-related musculoskeletal lesions in pediatric patients -- Imaging assessment of the pediatric spine: selected topics -- Selected dysplastic and developmental abnormalities of the immature joint.
Sommario/riassunto	This book, now in its second edition, remains one of very few works devoted to pediatric musculoskeletal imaging since the advent of cross-sectional methods, and the only one – to the best of our knowledge – specifically dedicated to the skeletally immature joint and its diseases. There has been a steady decline in the number of pediatric radiologists, and less emphasis has been given to pediatric training for general radiologists, so that the latter are more and more unfamiliar with normal and abnormal imaging findings in children and adolescents. This can lead to the misinterpretation of normal findings

and failure to recognize abnormal exam results. Even though this book is intended primarily for radiologists, it will also greatly benefit general rheumatologists, pediatric rheumatologists, pediatricians, orthopedic surgeons and all those involved in the diagnosis and treatment of children and adolescents with articular complaints. It employs simple and accessible language, so that it provides the in-depth information required by radiologists, while still being understandable for non-radiologists. Although its structure is fluent and logical, the chapters are all self-contained. Richly illustrated, its imagery combines the pictorial strength of old radiographs, which display late-stage abnormalities rarely seen today, and the appeal of modern imaging and its ability to detect early signs and subtle findings. Key points are summarized at the end of each chapter. By presenting essential information on imaging of the immature joint, the authors hope to provide a useful tool to help radiologists (musculoskeletal specialists and generalists alike) face the daily challenges of interpreting pediatric exams. Soon, artificial intelligence (AI) will be able to perform the most basic radiological diagnoses. Nevertheless, pediatric musculoskeletal radiology is complex and full of facets, and mastering this area in this ever-changing time can be a very important differential in the career of the 21st century radiologist.
