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Nota di contenuto	Part 1. General considerations for diagnosis of soft tissue tumors -- 1. Epidemiology -- 1) Most common benign and malignant lesions by prevalence -- 2) Most common lesions by age -- 3) Most common lesions by location -- 2. Radiologic considerations -- 1) Imaging modalities -- 2) Benign vs. malignant -- 3) Compartment anatomy -- 4) Imaging-guided percutaneous biopsy -- 3. Histopathologic Evaluation -- 1) Common laboratory stains -- 2) Immunohistochemical marker -- 4. Grading and staging of sarcomas -- Part 2. WHO classification of soft tissue tumor and radiologic illustrations -- 1. Adipocytic tumors -- 2. Fibroblastic/myofibroblastic tumors -- 3. So-called fibrohistiocytic tumors -- 4. Smooth-muscle tumors -- 5. Pericytic (perivascular) tumors -- 6. Skeletal-muscle tumors -- 7. Vascular tumors -- 8. Chondro-osseous tumors -- 9. Nerve sheath tumors -- 10. Tumors of uncertain differentiation -- 11. Undifferentiated/unclassified sarcomas -- 12. Addendum: tumor-like lesions -- Part 3. Practical pearls in diagnosis of soft tissue tumors -- 1. Sonographic findings -- 2. MRI characteristics -- 1) T2 bright signal -- 2) T2 dark signal -- 3) T1 high signal -- 4) Contrast enhancement pattern -- 3. Ancillary imaging findings -- 1) Signal voids -- 2) Edema -- 3) Fat -- 4) Nerve -- 5) Periosteal reaction -- 6) Tumoral mineralization -- 4. Diagnostic signs -- 1) Checker-board pattern in

proliferative myositis -- 2) Three stripe sign in sarcoidosis -- 3) Triple signal pattern in synovial sarcoma -- 4) Target sign in neurogenic tumor -- 5) Cable-like appearance in lipomatosis of nerve -- 5. "Leave me alone" lesions -- 6. Syndrome-related or hereditary soft tissue tumors -- Part 4. Drill and practice: image interpretation session.

Sommario/riassunto

This book helps readers to overcome the challenges encountered during the imaging diagnosis of soft tissue tumors due to their diversity and the significant overlap in imaging features between different tumors. It does so by fostering familiarization with typical findings and clearly explaining the pattern analysis of soft tissue tumors. The book opens with an overview of diagnostic considerations and discussion of the basic concepts of diagnostic imaging studies and histopathologic examinations. Grading and staging of soft tissue sarcomas are then described. In the second part of the book, radiologic features of soft tissue tumors are reviewed in detail, based on the 2013 WHO classification system. The third part summarizes diagnostic imaging clues, including characteristic imaging findings and radiologic signs that aid in specific diagnosis and differential diagnosis. The book closes by presenting 30 typical cases of soft tissue tumors, with questions, answers, and commentary, in order to help readers to consolidate what they have learned and to hone their diagnostic reasoning skills.
