

《骨骼肌肉系统MRIMRI of th》

图书基本信息

书名：《骨骼肌肉系统MRIMRI of the Musculoskeletal System》

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内容概要

In many cases, MRI is the last and decisive step in diagnostic imaging of the musculoskeletal system. The knowledge necessary to understand normal anatomy and pathological findings has increased exponentially in recent years. In 850 images, with many MR_images supported by explanatory color graphs, this book addresses this issue and the main problems the examining physician encounters, including the description of all relevant techniques of MRI suggestions for tabular protocols the comprehensive presentation of normal sectional anatomy, tables for differential diagnosis, and description of state_of_the_art imaging methods.

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书籍目录

1 Technology of Magnetic Resonance Imaging Introduction Spin-Echo (SE) Sequences T1-weighted Sequences Proton Density-weighted Sequences T2-weighted Sequences Fast (or Turbo) Spin Echo (TSE) Sequences, RARE Gradient-Echo (GRE) Sequences Ultra-Fast MR Techniques Low Field Strength Imaging Fat Suppression Contrast Enhancement, Dynamic Enhanced Imaging Direct MR Arthrography Indirect MR Arthrography Magnetization Transfer Contrast (MTC) Diffusion-weighted and Perfusion-weighted Imaging MR Angiography Relaxometry, Relaxation-Time Maps Three-dimensional Reconstruction Multiplanar Reformation, Radial Acquisition Magnetic Resonance Spectroscopy (MRS) and Spectroscopic Imaging (SI) Cinematic Examinations References2 Spine Anatomic Basis Examination Protocol for MRI Degenerative Conditions of the Spine Spondylosis Deformans Degenerative Bone Marrow Changes Disk Degeneration Disk Herniation Spinal Stenosis and Cervical Myelopathy . Spondylitis and Spondylodiskitis Traumatic Changes of the Spine Injuries of the Vertebral Body Ligamentous Instability Cord Injuries Postoperative Changes of the Spine Laminectomy Discectomy Surgical Fusion References3 Shoulder4 Elbow5 Wrist6 Hip and Pelvis7 Knee8 Ankle and Foot9 Temporomandibular Joint10 Musculature11 Bone Marrow12 Bone and Soft-Tissue Tumors13 Osteoporosis14 Sacroiliac Joints15 AppendixIndex

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