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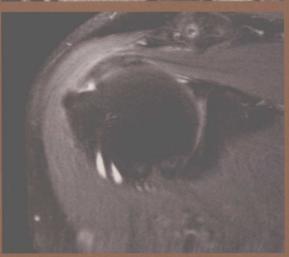
Thomas L. Pope, Hans L. Bloem, Javier Beltran William B. Morrison, David J. Wilson

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# 肌肉骨骼影像等









#### 影像学大师系列

## 肌肉骨骼影像学

## Musculoskeletal Imaging (2<sup>nd</sup> Edition)

Thomas L. Pope Hans L. Bloem Javier Beltran William B. Morrison David J. Wilson

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## 内容提要

Elsevier 出版社出版的"影像学大师系列"被业内奉为最经典的影像学专著,由国际最顶尖的影像学专家共同编写,代表着该领域的最高水准。Musculoskeletal Imaging (second edition)属于该系列中里程碑式的著作,主要内容包括肌肉骨骼疾病的 X 线、CT、MRI、核医学和超声影像学表现,以及影像学相关的临床、病理、生物力学的小结,并且以要点的形式总结了各类肌肉骨骼疾病的典型特征和影像学诊断须知。

《肌肉骨骼影像学》内容丰富全面,几乎涵盖了各类肌肉骨骼疾病的表现。其编写理念先进,侧重于疾病的影像学征象分析、鉴别诊断,特别突出强调了临床与影像学、生物力学与影像学的联系,从理念上进行了更新和开拓。本书兼顾临床、病理,提供了大量图片和相关要点分析。对于每天进行诊断和鉴别诊断的放射科、病理科和临床医师而言,本书具有重要的参考价值。对于其他对肌肉骨骼系统疾病感兴趣的读者来说,本书也是可读性很强的著作。

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24 Normal Knee

#### Arthur De Schepper, Sr., MD, PhD†

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Antwerp University

Antwerp, Belgium

Department of Radiology

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95 Soft Tissue Tumors

96 Tumor-Like Soft Tissue Lesions

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Appendix 1 Measurements Most Frequently Used in Orthopedic Imaging

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3 Imaging of Facial and Skull Trauma

#### Sachin Dheer, MD

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Cherry Hill, New Jersey

#### † Deceased.

60 Gout

#### Grégory Dieudonné, MD

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University of Rochester School of Medicine and Dentistry

Strong Memorial Hospital

Rochester, New York

9 Glenohumeral Instability

#### Joseph Dobtsis, MD

Director of Neuroradiology and Musculoskeletal Radiology

21st Century Radiology

Brooklyn, New York

80 Pituitary and Thyroid Disorders

118 Percutaneous Biopsy of the Appendicular Skeleton

119 Percutaneous Biopsy of the Spine

#### Brendan T. Doherty, MD

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1 General Imaging Principles

63 Non-Inflammatory Intraarticular Pathology

#### Rodrigo Dominguez, MD

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80 Pituitary and Thyroid Disorders

82 Storage Diseases (Mucopolysaccharidoses and Glycogenoses)

#### Davide Maria Donati, MD

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Clinic Unit

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98 Treatment Strategies for Musculoskeletal Tumors and

Tumor-Like Lesions

#### Seema Döring, MD

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10 Normal Elbow

#### Nimisha Dorshi, MD

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82 Storage Diseases (Mucopolysaccharidoses and Glycogenoses)

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92 Primary Bone Tumors
94 Tumor-Like Lesions of Bone

#### Aija Dzirkale, MD

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#### Georges Y. El-Khoury, MD, FACR

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#### Ilze Engele, MD

Department of Radiology Riga Stradins University Riga East University Hospital Riga, Latvia 57 Hemochromatosis 85 Paget Disease

#### Ana M. Hualde Enguita, MD

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#### Mara Epermane, MD

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#### Christopher J. Fang, MBBCh, FRCR

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73 Hemophilia and Related Disorders

#### Laura M. Fayad, MD

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Director of Translational Research for Advanced Imaging
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112 Imaging of the Residual Limb after Amputation

#### Steven Finden, MD, DDS

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#### Donald J. Flemming, MD

G. Victor Rohrer Professor of Radiology Education Professor of Radiology and Orthopedics Penn State Hershey Medical Center Hershey, Pennsylvania 97 Metastatic Disease

#### Jürgen Freyschmidt, MD

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49 Psoriatic Arthritis and Psoriatic Spondyloarthropathy
52 Progressive Scleroderma

#### Jan L. Gielen, MD

Department of Radiology Antwerp University Hospital Antwerp, Belgium 96 Tumor-Like Soft Tissue Lesions

#### Angela Gessner Gopez, MD, BS

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#### Tetyana Gorbachova, MD

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#### Andrew J. Grainger, BM BS, MRCP, FRCR

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119 Percutaneous Biopsy of the Spine

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2 General Principles of Osseous Injury

#### Curtis W. Hayes, MD, FACR

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58 Ochronosis
59 Diffuse Idiopathic Skeletal Hyperostosis and Ossification
of the Posterior Longitudinal Ligament

#### Tamara Miner Haygood, PhD, MD

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41 Radiation Effects in the Musculoskeletal System

#### Victoria Higueras, MD

Department of Radiology Hospital de la Ribera Alzira, Valencia Spain 20 Acute Osseous Injury to the Pelvis and Acetabulum

#### Siegfried Hofmann, MD, PhD

Associate Professor of Orthopaedic Surgery General and Orthopedic Clinic-Stolzalpe Stolzalpe, Austria 23 Internal Derangement of the Hip and Proximal Femur

#### Peter Hrehorovich, MD

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14 Acute Osseous Injury to the Wrist

16 Acute Osseous Trauma to the Hand

#### Maya Sardjono Hsieh, BS, MD

Department of Radiology Maimonides Medical Center Brooklyn, New York 28 Internal Derangement of the Knee: Tendon Injuries

#### Wouter C. J. Huysse, MD

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Osteochondral Injuries

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29 Internal Derangement of the Knee: Cartilage and

#### Hakan Ilaslan, MD

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#### Karsten Jablonka, MD

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49 Psoriatic Arthritis and Psoriatic Spondyloarthropathy
52 Progressive Scleroderma

#### Neda Jafarian, MD

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8 Shoulder Impingement Syndromes

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92 Primary Bone Tumors
94 Tumor-Like Lesions of Bone

#### Ann M. Johnson, MD

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Children's Hospital of Philadelphia
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38 Upper Extremity Injuries in Children

#### Karl Johnson, BSC, MB ChB, MRCP, FRCR

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55 Juvenile Idiopathic Arthritis

#### Maria Bernadette Johnson, MBChB, FRCR

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43 Muscle Injury and Sequelae

#### Apostolos Karantanas, MD, PhD

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75 Thalassemia

#### David Karasick, MD, FACR

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25 Acute Osseous Injury to the Knee

#### Theodoros F. Katsivas, MD

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69 HIV Infection and AIDS

#### Eoin C. Kavanagh, FRR, RCSI, FRCPI

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76 Myelofibrosis

109 Postoperative Hip

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116 Normal Variants

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9 Glenohumeral Instability

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67 Diabetic Pedal Infection

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109 Postoperative Hip

#### Josef Kramer, MD, PhD, MSc

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23 Internal Derangement of the Hip and Proximal Femur

#### Mark J. Kransdorf, MD

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117 Biopsy: Soft Tissue

#### Herman M. Kroon, MD

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90 The Patient with a Tumor or a Tumor-Like Lesion of Bone

99 Staging Bone and Soft Tissue Tumors

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Department of Diagnostic Imaging Maimonides Medical Center Brooklyn, New York 13 Normal Wrist

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45 Degenerative Disorders of the Spine

#### Susanne W. Y. Lardenoije, MD

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39 Skeletal Manifestations of Pediatric Nonaccidental Injury

#### Hans P. Ledermann, MD

**IMAMED Radiologie Nordwest** 

Basel, Switzerland

67 Diabetic Pedal Infection

#### Scott S. Lenobel, MD

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7 Osseous Injuries of the Shoulder Girdle

#### Brandon Y. Liu, MD

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11 Acute Osseous Injury of the Elbow and Forearm

#### Eva Llopis, MD

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18 Soft Tissue Injuries of the Hand and Wrist

19 The Normal Pelvis and Hip

20 Acute Osseous Injury to the Pelvis and Acetabulum

22 Acute Osseous Injury to the Hip and Proximal Femur

#### Bart Loeys, MD, PhD

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84 Marfan Syndrome

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79 Amyloidosis

86 Hypertrophic Osteoarthropathy

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76 Myelofibrosis

109 Postoperative Hip

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Sutter Health Systems

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17 Compressive and Entrapment Neuropathies of the Upper

35 Compressive and Entrapment Neuropathies of the Lower

80 Pituitary and Thyroid Disorders

82 Storage Diseases (Mucopolysaccharidoses and Glycogenoses)

#### Jacques Malghem, MD

Extremity

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72 Ischemic Bone Lesions

#### Natalia Marks, MD

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13 Normal Wrist

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14 Acute Osseous Injury to the Wrist

16 Acute Osseous Trauma to the Hand

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45 Degenerative Disorders of the Spine

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27 Internal Derangement of the Knee: Ligament Injuries

#### José M. Mellado Santos, MD

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20 Acute Osseous Injury to the Pelvis and Acetabulum

22 Acute Osseous Injury to the Hip and Proximal Femur

#### Kirsten A. Menn, MD

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68 Pediatric Infections

#### Theodore T. Miller, MD, FACR

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6 Normal Shoulder

10 Normal Elbow

28 Internal Derangement of the Knee: Tendon Injuries

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#### 110 Postoperative Knee

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46 Aging

48 Rheumatoid Arthritis

55 Juvenile Idiopathic Arthritis

61 Crystal-Related Arthritis

#### Sandra Moore, MD

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62 Neuropathic Osteoarthropathy

69 HIV Infection and AIDS

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13 Normal Wrist

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1 General Imaging Principles

63 Non-Inflammatory Intraarticular Pathology

67 Diabetic Pedal Infection

#### Geert R. Mortier, MD

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101 Focal Growth Disturbances

#### Timothy J. Mosher, MD, MS

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47 Degenerative Disease: Physiology and Advanced Imaging

#### Michael E. Mulligan, MD

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