

Medical Radiology

Diagnostic Imaging

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Radiological Imaging of Sports Injuries



Springer

Radiological Imaging Of Sports Injuries

Carlo Masciocchi



Radiological Imaging Of Sports Injuries:

Radiological Imaging of Sports Injuries Carlo Masciocchi, 2012-12-06 Sports medicine is acquiring an important role owing to the increasing number of sports active people and professional athletes Accurate diagnosis of the different pathological conditions is therefore of fundamental importance This book provides an overview of the most frequently observed conditions and correlates them with sports activities as well as documenting relatively unknown lesions of increasing significance Diagnostic techniques are described and compared and their roles defined interpretative pitfalls are highlighted All of the contributing authors have distinguished themselves in the field and have a deep knowledge of the problem involved in the diagnosis and classification of sports injuries *Nuclear Medicine and Radiologic Imaging in Sports Injuries* Andor W.J.M. Glaudemans, Rudi A.J.O. Dierckx, Jan L.M.A. Gielen, Johannes (Hans) Zwerver, 2015-06-12 This comprehensive book describes in detail how nuclear medicine and radiology can meet the needs of the sports medicine physician by assisting in precise diagnosis clarification of pathophysiology imaging of treatment outcome and monitoring of rehabilitation Individual sections focus on nuclear medicine and radiologic imaging of injuries to the head and face spine chest shoulder elbow and forearm wrist and hand pelvic region knee lower leg ankle and foot The pathophysiology of sports injuries frequently encountered in different regions of the body is described from the perspective of each specialty and the potential diagnostic and management benefits offered by the new hybrid imaging modalities SPECT CT PET CT and PET MRI are explained In addition a range of basic and general issues are addressed including imaging of the injuries characteristic of specific sports It is hoped that this book will promote interdisciplinary awareness and communication and improve the management of injured recreational or elite athletes Essential Radiology for Sports Medicine Philip Robinson, 2010-06-21 Imaging plays an increasingly vital role in the management of athletes aiding diagnosis injury grading and prognosis as well as guiding therapy These processes apply equally to elite and recreational athletes young and old I have always found that understanding the relevance of imaging findings is easier when accompanied by knowledge of the anatomy biomechanics and pathological processes involved in injury formation This textbook has been developed with both radiologists and sports clinicians in mind and aims to bring all these processes together and illustrate the spectrum of injury and associated clinical features for specific anatomical areas Internationally recognized musculoskeletal experts have contributed chapters which provide an imaging and clinical overview of the most relevant joint bone and soft tissue athletic injuries There is guidance for the reader on why specific injuries occur how to identify the optimal imaging evaluation and how to interpret the subsequent imaging findings Acute and overuse injuries are discussed as well as the premature degenerative processes that occur in athletes State of the art imaging techniques and findings are presented including the use of musculoskeletal ultrasound conventional MR imaging and MR arthrography Therapeutic image guided intervention using fluoroscopy CT and ultrasound is also discussed This balance of techniques should allow a clinician whose practice focuses on one particular modality to

become aware not only of that technique's abilities but other modalities and their capabilities and limitations Leeds UK Philip Robinson vii Contents 1 Knee Injuries 1 Melanie A Hopper and Andrew J *Imaging of Orthopedic Sports Injuries* Filip M. Vanhoenacker, Mario Maas, Jan L.M.A. Gielen, 2021-05-20 This volume provides an updated review of imaging abnormalities in orthopedic sports injuries The first part of the book contains background information on relevant basic science and general imaging principles in sports traumatology The second part comprises a topographic discussion of sports injuries Each chapter highlights the merits of different imaging techniques focused on a specific clinical problem In the third part natural history monitoring and follow up imaging are discussed **Sports Injuries in Children and Adolescents** Apostolos H. Karantanas, 2011-03-03 The incidence of acute and overuse sports injuries in children and adolescents are increasing Radiologists need to be familiar with the advantages and limitations of the various imaging modalities used to evaluate the injured young athlete This book written by leading experts from Europe and the United States covers a wide spectrum of sports injuries seen in children and adolescents The first part comprises a series of introductory chapters on topics such as the clinician's viewpoint normal anatomy and variants the imaging of articular cartilage and the current role of ultrasonography In subsequent chapters each important site of injury is considered individually with the aid of informative images The final part of the book resembles an atlas and presents the most commonly encountered injuries in the popular sports of football skiing water sports tennis and gymnastics Throughout particular attention is paid to the most recent advances in knowledge and imaging Imaging in Sports-Specific Musculoskeletal Injuries Ali Guermazi, Frank W. Roemer, Michel D. Crema, 2015-12-11 Most books on imaging in sports medicine are concerned with the particular joints or anatomy involved in sports related injuries This book however takes a different perspective by looking at injuries that are associated with specific sports All of the well known major sports such as football tennis and basketball are included as are many less common but still very popular sports such as baseball American football and rugby The chapters on sports specific injuries are preceded by two chapters on the perspective of clinicians and another two chapters on the general use of MR imaging and ultrasound in sports medicine The authors of the book are world renowned experts from five continents Imaging in Sports Specific Musculoskeletal Injuries should be of great interest to radiologists sports medicine physicians orthopedic surgeons and rehabilitation physicians and to anyone interested in the treatment of sports related injuries **Imaging of Sports Injuries** Thomas Henry Berquist, 1992 A reference on the use of modern imaging techniques to diagnose athletic injuries involving all major areas of the body Chapters cover clinical information imaging evaluation and brief discussion of treatment recommendations There is also an introduction designed for nonradiologists **Imaging of Orthopedic Sports Injuries** Filip M. Vanhoenacker, Mario Maas, Jan L. Gielen, 2006-11-14 This volume provides an updated review of imaging abnormalities in orthopedic sports injuries The first part of the book contains background information on relevant basic science and general imaging principles in sports traumatology The second part comprises a topographic discussion of sports

injuries Each chapter highlights the merits of different imaging techniques focused on a specific clinical problem In the third part natural history monitoring and follow up imaging are discussed *Imaging of Athletic Injuries of the Upper Extremity, An Issue of Radiologic Clinics of North America* Martin L. Lazarus, 2013-03-28 Imaging plays a key role in the diagnosis and treatment of athletic injuries This issue focuses on athletic injuries of the upper extremity and best practices approach to imaging these areas Shoulder injuries are given their own review as are football injuries to the upper extremity throwing injuries to the upper extremity and injuries associated with club and racquet sports Use of MR Imaging in particular is discussed for the labrum and elbow and MR Arthrography of the upper extremity is reviewed Wrist and hand injuries are discussed in detail in separate articles and imaging of the pediatric athlete is addressed as well **Postoperative Imaging of Sports Injuries** Emma Rowbotham, Andrew J. Grainger, 2020-10-03 This book describes and illustrates the normal and abnormal postoperative appearances that may be observed following common orthopaedic surgical procedures in patients with sports injuries The majority of sports injuries comprise ligamentous cartilage and tendon injuries at and about the joints While surgical repair techniques for such injuries have advanced immeasurably over recent years it is essential that any postoperative abnormalities are recognized promptly Therefore a key aim of Postoperative Imaging of Sports Injuries is to explain which imaging appearances are to be expected and which are not The book is primarily organized according to the involved joints and covers procedures for shoulder elbow hand and wrist hip knee and foot and ankle injuries An additional chapter addresses articular cartilage repair techniques and their normal and abnormal imaging appearances The authors are leading radiologists from Europe and North America who draw on their extensive experience The book is copiously illustrated and readers will also have online access to ultrasound video clips

Whispering the Strategies of Language: An Psychological Journey through **Radiological Imaging Of Sports Injuries**

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