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2. Record Nr.	UNINA9910495198503321
Titolo	Cartilage Injury of the Knee : State-of-the-Art Treatment and Controversies // edited by Aaron J. Krych, Leela C. Biant, Andreas H. Gomoll, João Espregueira-Mendes, Alberto Gobbi, Norimasa Nakamura
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-78051-1
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (340 pages)
Collana	Medicine Series
Disciplina	617.582
Soggetti	Orthopedics Radiology Physical therapy Pathology Orthopaedics Physiotherapy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1 Articular Cartilage: Structure and Biology -- 2 Articular Cartilage: Functional Biomechanics -- 3 Biomarkers in Articular Cartilage Injury -- 4 How do we best Measure Expected Outcomes Following Cartilage Surgery? -- 5 MRI in knee cartilage injury and post-treatment MRI assessment of cartilage repair -- 6 Assessment of patient, joint, cartilage injury characteristics -- 7 Non-operative Management Options for Symptomatic Cartilage Lesions -- 8 The Role of Osteotomy in the Patellofemoral Joint with Cartilage Surgery -- 9 Osteotomy for the Varus Knee in Cartilage Surgery -- 10 Osteotomy for the Valgus Knee in Cartilage Surgery -- 11 Role of the meniscus in cartilage injury (basic science) -- 12 Concomitant Meniscus Repair for Cartilage Treatment -- 13 Meniscus Root Tear and its Treatment -- 14 Meniscus transplant and Cartilage Treatment -- 15 Role of debridement of a Symptomatic Cartilage Injury -- 16 Management of Osteochondritis Dissecans -- 17 Managing concomitant cartilage injury with ACL tears -- 18 Marrow stimulation/Microfracture for cartilage repair -- 19

Microfracture augmentation options for cartilage repair -- 20 Cell-based cartilage repair -- 21 Role of MSCs in Symptomatic Cartilage Defects -- 22 Scaffolds for Cartilage Repair -- 23 Osteochondral autograft for the treatment of small cartilage injuries -- 24 Osteochondral allograft for the treatment of large cartilage injuries -- 25 Emerging cartilage repair options -- 26 Patellofemoral joint stabilization with cartilage restoration -- 27 Cartilage restoration strategies for the patellofemoral joint -- 28 Rehabilitation and decision for return to play following Cartilage Restoration Surgery -- 29 Return to sport following cartilage treatment: where is the evidence?

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Sommario/riassunto

Cartilage injuries of the knee are common, and diagnosis and treatment options have continued to evolve. This book focuses on current non-operative and surgical treatment strategies for articular cartilage injuries, highlighting the controversies and different approaches from an international perspective. This book includes information on the basic science of cartilage structure and function, expert perspectives on imaging and diagnosing, as well as work-up of athletes and patients presenting with acute or chronic cartilage injury. It also provides an evidence base for current cutting-edge cartilage repair and restoration. Written by leading experts in the field, the book, published in collaboration with ISAKOS and ICRS, is vital reading for orthopaedic and sports medicine surgeons, fellows and residents. It is also of interest to sports trainers, physiotherapists, medical students, postgraduate students, and physical medicine and rehabilitation specialists.

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