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Titolo	The Patellofemoral Joint : State of the Art in Evaluation and Management // edited by Alberto Gobbi, João Espregueira-Mendes, Norimasa Nakamura
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Descrizione fisica	1 online resource (281 p.)
Disciplina	610 611 617.1027 617.47
Soggetti	Orthopedics Sports medicine Human anatomy Surgical Orthopedics Sports Medicine Anatomy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Morphogenesis of the patellofemoral joint -- Anatomy of the patellofemoral -- Anatomy and biomechanics of MPFL -- Clinical examination of patellofemoral joint -- Patellofemoral evaluation: an imagiological objective kinematic approach -- MRI of patellofemoral joint -- Gait analysis in patellofemoral disorder -- Prevention of patellofemoral injuries -- Patellofemoral syndrome -- Patellofemoral instability -- Patellar dislocation: pathomechanism and treatment -- First-time traumatic patellar dislocation: a systematic review -- Medial patellar instability - a little known cause of anterior knee pain -- Non-operative treatment of patellofemoral joint -- Surgical treatment of the patellofemoral joint: lateral release -- MPFL repair for recurrent or traumatic patellar dislocation -- Medial patellofemoral ligament reconstruction -- Proximal realignment: medial plication -- MPFL

reconstruction based on graft tension change and anatomy -- Elmslie-Trillat Procedure: a distal based procedure for patellar stabilization -- Open proximal trochleoplasty (grooveplasty) -- Sulcus-deepening trochleoplasty for the treatment of recurrent patellar dislocation with high-grade trochlear dysplasia -- Role of rotational osteotomy in the treatment of patellofemoral dysfunction -- New techniques for cartilage repair of the patella -- Cartilage lesions of the patellofemoral joint: long term results after ACI -- Role of mesenchymal stem cells in patellofemoral disorders -- Prosthetic indications in patellofemoral osteoarthritis -- Patellofemoral postoperative rehabilitation -- Treatment of patellofemoral disorders in skeletally immature athletes -- Treatment of patellofemoral dislocation in skeletally immature -- Platelet-rich plasma for the treatment of symptomatic patellofemoral cartilage lesions -- Pulsed electromagnetic fields for the treatment of symptomatic patellofemoral cartilage lesions of the knee -- Matrix autologous chondrocyte implantation of the patella: from ACI to MACI to ICC -- Patellofemoral joint pathology and sports -- Patellofemoral injuries in soccer players -- Complications of patellofemoral surgeries: prevention and management -- Scores to evaluate patellofemoral joint -- Conclusions.

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### Sommario/riassunto

A comprehensive and thorough selection of contributions from across the world, this book aims to review the current state-of-the-art in assessment and management of the patellofemoral joint. While featuring a wide range of surgical techniques for different pathologies, detailed attention is also devoted to conservative treatment and approaches involving mesenchymal stem cells, autologous chondrocyte implantation, platelet-rich plasma, and pulsed electromagnetic fields. Anatomy, clinical examination, and methods of evaluation are discussed, and individual chapters address important miscellaneous topics, including rehabilitation, complications of surgery, injuries in specific patient populations, and scoring systems. Though patellofemoral joint pathology is a frequent clinical problem, its management remains challenging for the orthopaedic surgeon. Conceived at the ISAKOS Congress held in Toronto in June 2013 as a small booklet, this work quickly turned into a major project involving more than 35 authors worldwide. The editors believe that this book will be of great value to orthopaedic doctors to improve understanding, diagnosis, and treatment of future patients.

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