

1. Record Nr.	UNINA9910780881803321
Titolo	Advances in MRI of the knee for osteoarthritis [[electronic resource] /] / edited by Sharmila Majumdar
Pubbl/distr/stampa	Singapore, : World Scientific, 2010
ISBN	1-282-75797-0 9786612757976 981-4271-71-3
Descrizione fisica	1 online resource (284 p.)
Altri autori (Persone)	MajumdarSharmila
Disciplina	616.07/548 616.722307548
Soggetti	Osteoarthritis - Magnetic resonance imaging Knee - Magnetic resonance imaging Knee - Diseases - Diagnosis
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 and index.
Nota di contenuto	Contents; Contributors; Preface; 1. Anatomy and Physiology of the Knee by Richard B. Souza and Ryan Doan; 2. Clinical Presentation and Natural History of Osteoarthritis by Ehsan Saadat, Radu I. Bolbos and Michael D. Ries; 3. Current Radiographic Diagnosis for Osteoarthritis of the Knee by Ehsan Saadat and Thomas M. Link; 4. Introduction to Magnetic Resonance Imaging by Roland Krug, Tobias D. Henning, Reinhard Meier and Brian Hargreaves; 5. Current Magnetic Resonance Imaging Techniques for Clinical Diagnosis and Staging of Knee Osteoarthritis by Ehsan Saadat, Thomas M. Link and C. Benjamin Ma 6. Quantitative Morphological Imaging of the Knee Joint by Julio Carballido-Gamio and Felix Eckstein 7. Functional Imaging of the Knee Joint by Gabrielle Blumenkrantz, Xiaojuan Li, Ravinder R. Regatte, Alexej Jerschow and Sharmila Majumdar; 8. Bone and Osteoarthritis by Janet Goldenstein, Gabrielle Blumenkrantz, Radu I. Bolbos and Xiaojuan Li; Index
Sommario/riassunto	Osteoarthritis is a condition in which low-grade inflammation results in joint pain, and it is the most common joint disease. Interactions between all of the major joint tissues, including the articular cartilage,

synovium, bone marrow, subchondral bone, trabecular bone, and muscle, have been implicated in osteoarthritis. Magnetic resonance images have been used to quantify the cartilage morphology, volume and thickness, and focal defects, and may reflect changes in the biochemical composition of articular cartilage. This book brings together contributions from key investigators in the area of

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