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Titolo	Cartilage [[electronic resource] ] : Volume 3: Repair Strategies and Regeneration / / edited by Susanne Grassel, Attila Aszodi
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ISBN	3-319-53316-9
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Descrizione fisica	1 online resource (XIII, 206 p. 23 illus., 19 illus. in color.)
Disciplina	612
Soggetti	Human physiology Orthopedics Regenerative medicine Tissue engineering Stem cells Human Physiology Regenerative Medicine/Tissue Engineering Stem Cells
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	3. Repair strategies -- 3.1 Mesenchymal stem cells for repair -- Paolo Bianco: general MSC and cartilage -- Wiltrud Richter/Solvig Diederichs: MSC/iPS and cartilage regeneration -- Susan Chubinskaya: BMP-7 and cartilage regeneration -- 3.2 Biomaterials for repair -- Rocky Tuan: MSC and cartilage regeneration and biomaterials -- Gerjo van Osch: cartilage regeneration in OA, MSC based or / and biomaterials -- Rolf E Brenner/Helga Joos: MSC and biomaterials and cartilage repair -- Ivan Martin: Osteochondral repair -- 3.3 Autologous chondrocyte transplantation and chondroprogenitor cells -- Mats Brittberg: ACT and MACT/AMIC -- Hari Reddi: Cartilage tissue engineering or Hormonal control of cartilage development -- Ernst Hunziker: Articular cartilage repair or Structural properties of the growth plate and articular cartilages -- Nikolai Miosge: CPCs and cartilage regeneration -- Charlie Archer: Articular cartilage-derived stem cells and cartilage repair.
Sommario/riassunto	In three Volumes this mini book series presents current knowledge and

new perspectives on cartilage as a specialized yet versatile tissue. This third volume provides insight into current and future treatment strategies for repair of cartilage lesions. This book addresses Professors, researchers and PhD students who are interested in musculoskeletal and cartilage pathobiology and tissue-engineering.

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