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Special Issue Reprint

Cartilage Repair and Regeneration: Focus on Multi-Disciplinary Strategies

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The present book recapitulates the articles published within the *Special Issue* "Cartilage Repair and Regeneration: Focus on Multi-Disciplinary Strategies", Applied Sciences, MDPI, dealing with the innovative multi-disciplinary therapeutic approaches for musculoskeletal diseases. In particular the published studies space from advanced 3D bioprinting technology to obtain a scaffold with different zonal cell densities, and biphasic scaffold (ChondroMimetic) construction, pass through the comparison of different techniques for cartilage regeneration such as of mosaicplasty and matrix-assisted autologous chondrocyte transplantation (MACT) and histopathological features of osteochondral units, and end with the considerations regarding development of bioreactors able to mimic the biomechanical load on chondrocytes in vitro, giving some interesting insights in this specific scientific field.



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