

Special Issue

Osteochondral Lesions: Current Knowledge and Future Perspectives

Message from the Guest Editors

Osteochondral lesions (OCLs) have been recognized in both pediatric and adult patients as a challenging entity, presenting either as acute, subacute or even chronic conditions. OCLs are clinically associated with significant morbidity and may impair the quality of life. Scientific investigations have focused on OCLs as the cause of symptomatic joint dysfunction and premature articular degeneration for more than a century, but the exact etiology and ideal management remain unknown. For unstable symptomatic lesions, a variety of interventions have been applied, including techniques to stimulate subchondral revascularization, promote parent–progeny healing, and restore anatomic joint congruity. Surgical strategies after failed nonoperative treatment involve unstable fragment fixation, bone marrow stimulation, autologous and allograft transplantation, biomaterials, scaffolds, cells, and adjuvant therapies.

The purpose of this Special Issue is to investigate current epidemiology, established and innovative strategies and future perspectives for the management of osteochondral lesions.

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