



The World of the Elderly: Aging-Related Diseases of Bone, Muscle, and Cartilage

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Deadline for manuscript submissions:

closed (25 May 2024)

Message from the Guest Editor

Osteoporosis and osteoarthritis rank among the major aging-related diseases, as during this process, there is a decrease in the strength and quality of bone tissue which can sometimes accompany the concomitant tissue degeneration of articular cartilage typical of osteoarthritis, which can occur both in old age and in adulthood, around 40-50 years of age. A decrease in bone mineral density, very frequently, is needed in parallel with a progressive loss of muscle mass, strength, and function, a scenario which characterizes a newly defined syndrome known as osteosarcopenia. The purpose of this Special Issue is to direct research toward a deeper understanding of the pathophysiological mechanisms of the major aging-related pathologies of the musculoskeletal system, focusing on the investigation of potential new mechanisms underlying the onset of these pathologies, especially those that prominently involve cellular senescence, investigating both clinical aspects, related to diagnostic and therapeutic strategies and basic science.





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