

Special Issue

Secondary Osteoporosis and Metabolic Bone Diseases

Message from the Guest Editor

There is ample evidence that patients with various organ dysfunction have an increased risk of bone fragility and fractures. Osteoporosis is not only influenced by low bone volume and mass but also by poor microarchitecture and tissue quality. More emphasis has been given to the quantitative rather than qualitative assessment of bone health, both in primary and secondary osteoporosis. Bone mineral density (BMD) is an incredibly useful clinical tool in assessing bone strength, but it may underestimate the fracture risk in patients with secondary osteoporosis. Serum and urinary bone biomarkers have been found to be reflective of bone activities and predictive of fractures independently of BMD. By utilizing new technologies such as innovative biomarkers and high-resolution images, we can better assess the bone health and fracture risk. Moreover, invasive assessments such as bone histology and micro-indentation are great counterparts.

This issue focuses on the current and future directions of bone health and management in patients with secondary osteoporosis and various metabolic bone diseases.

Guest Editor

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