

Special Issue

Clinical Diagnosis and Management of Metabolic Bone Diseases

Message from the Guest Editor

Osteometabolic diseases encompass a large number of disorders that affect bone homeostasis. In fact, the skeleton is a dynamic organ influenced by overall health. Its constant renewal is based on the sequence of resorption and neof ormation, carried out by osteoclasts, osteoblasts, and osteocytes, with differences between the trabecular and cortical compartments. In adulthood, this remodeling becomes unbalanced during menopause and aging, but the participation of disorders of the calcium–phosphorus–vitamin D–PTH axis and other hormones, as well as systemic diseases, must be considered. In particular, obesity and diabetes, intestinal malabsorption, disturbances affecting bone marrow, glomerular and tubular function, among others, contribute to bone loss and fragility fractures. In this setting, imaging exams, such as X-rays, DXA, and HR-pQCT, and laboratory tests focused on possible comorbidities are fundamental for therapeutic decisions. The topics of this special issue aim to raise questions and suggest approaches to prevalent bone metabolic diseases in adults.

Guest Editor

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Deadline for manuscript submissions

31 October 2026



Diagnostics

an Open Access Journal
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Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed



mdpi.com/si/260879

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