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The Effect of Vitamin D on Metabolic Bone Disease and Chronic Diseases

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Message from the Guest Editors

Dear Colleagues,

Bone formation and bone remodeling are complicated processes, regulated by systemic hormones and paracrine factors, which regulate calcium and phosphate fluxes and cellular differentiation. An understanding of these important regulators of bone metabolism is vital to understanding clinical disorders, as they are related to alterations in vitamin D metabolism and metabolic bone disease. Specific disorders of vitamin D metabolism can be related to the clinical disease states of aging and gastrointestinal, renal and hepatic disease. Epidemiologic evidence and prospective studies have linked vitamin D deficiency with an increased risk of many chronic diseases, including autoimmune diseases, cardiovascular diseases, diabetes and infectious diseases.

The aim of this Special Issue is to update the role of vitamin D in bone metabolism, with a focus not only on common bone disorders, such as osteoporosis and Paget's disease of bone, but also in the various forms of renal osteodystrophy of chronic kidney disease—mineral and bone disorder (CKD-MBD)—and in rare bone disease.

We are soliciting original papers, review articles, as well as case reports.



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Special Issue



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