

Special Issue

Molecular Advances in Osteoporosis Study

Message from the Guest Editors

Osteoporosis is a bone disease that develops when bone mineral density and bone mass decrease, or when the structure and strength of bone change. This can lead to a decrease in bone strength, increasing the risk of fractures (broken bones). Testosterone, estrogen, SHBG, and FSH levels help to determine bone mass accrual, BMD maintenance, and lifetime decrease.

Fractures are the most serious complication of osteoporosis and are responsible for the morbidity and mortality rates associated with the disease. Therefore, the establishment of risk scales or algorithms that help us to predict the risk of fracture is key to the establishment of the most efficient therapeutic measures. There is a parallel between osteoporosis and cardiovascular disease. There is a parallel between osteoporosis and cardiovascular disease. This Special Issue aims to update research on signaling molecules and preclinical approaches to osteoporosis and overall fracture risk.

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