

IAEA/ESNM Webinar Series on basic NM

The (Patho)physiology of Bone Turnover

Take home messages

- Bone consists of mineral, matrix, and cells
- Osteoblasts and osteoclasts are key effector cells of bone (re)modelling
- Bone has structural, homeostatic, and endocrine roles
- Growth factors, cytokines, hormones, and transcription factors regulate bone homeostasis
- Bone disease is characterized by complex interactions of bone cells with immune system, pathogens, or tumour cells