

MICOD – 14/12/2023

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MI-COD

MSS INDIA- Case Of the Day



Osteopetrorickets

- ▶ Increase in bone density with poor differentiation between cortex & medulla.
- ▶ Fraying and splaying of the distal metaphysis of the radius and ulna.
- ▶ *Important to identify and treat the rickets since it is an important factor in the success of bone marrow transplantation.*
- ▶ The purpose of BMT is to provide haematopoietic stem cells from which normal osteoclasts can differentiate. Normal osteoclasts cannot resorb the hypomineralised osteoid in children with osteopetrorickets.



Osteopetrosis - few classical features

Bone within bone appearance



Sandwich vertebrae - diffuse end plate sclerosis with central lucency of vertebral body

