



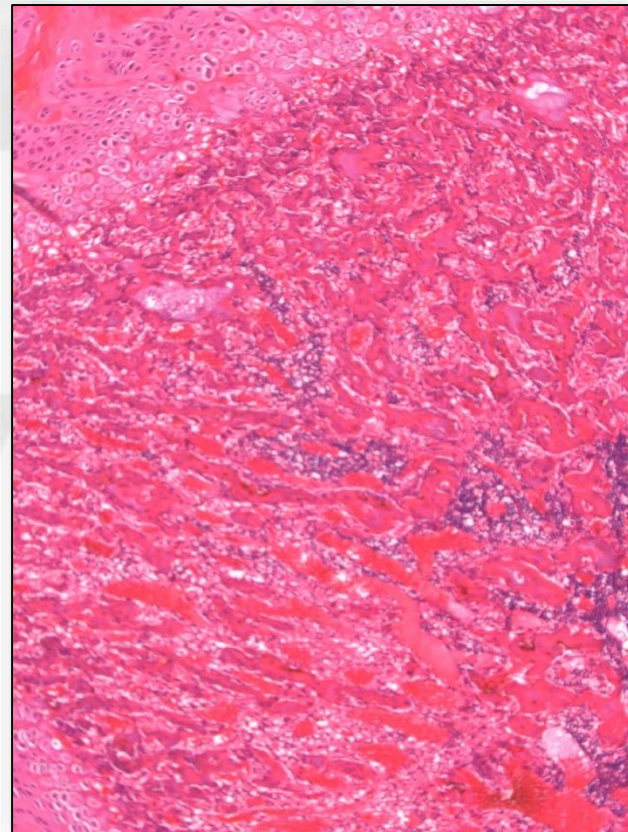
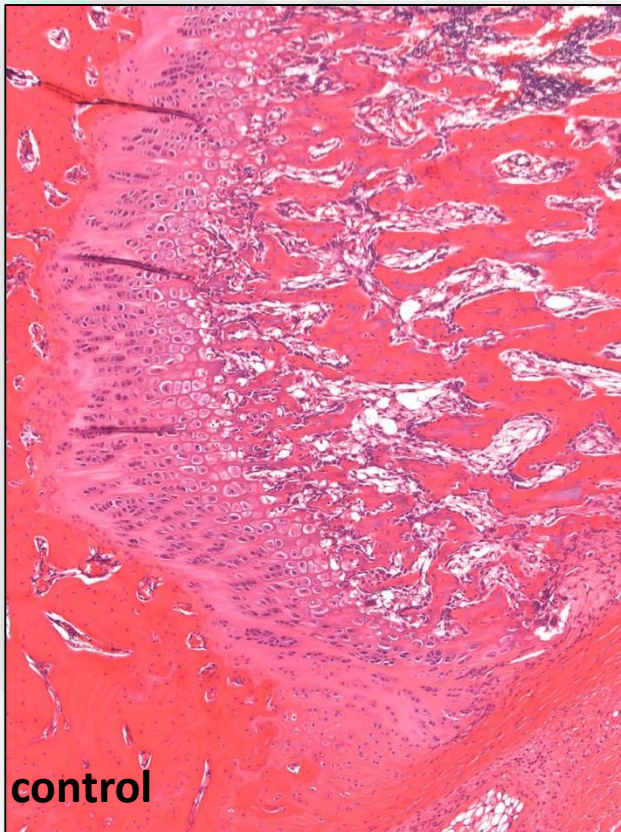
Fractures

Klaus Weber, PhD, DVM, MSBiol, DJSTP

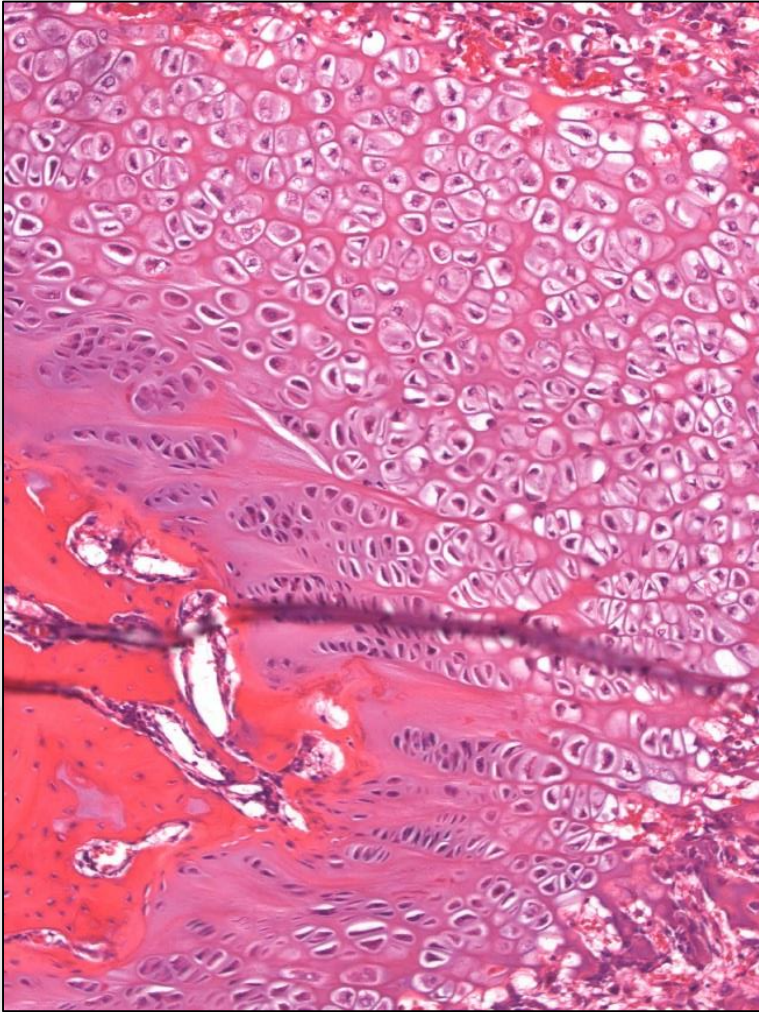
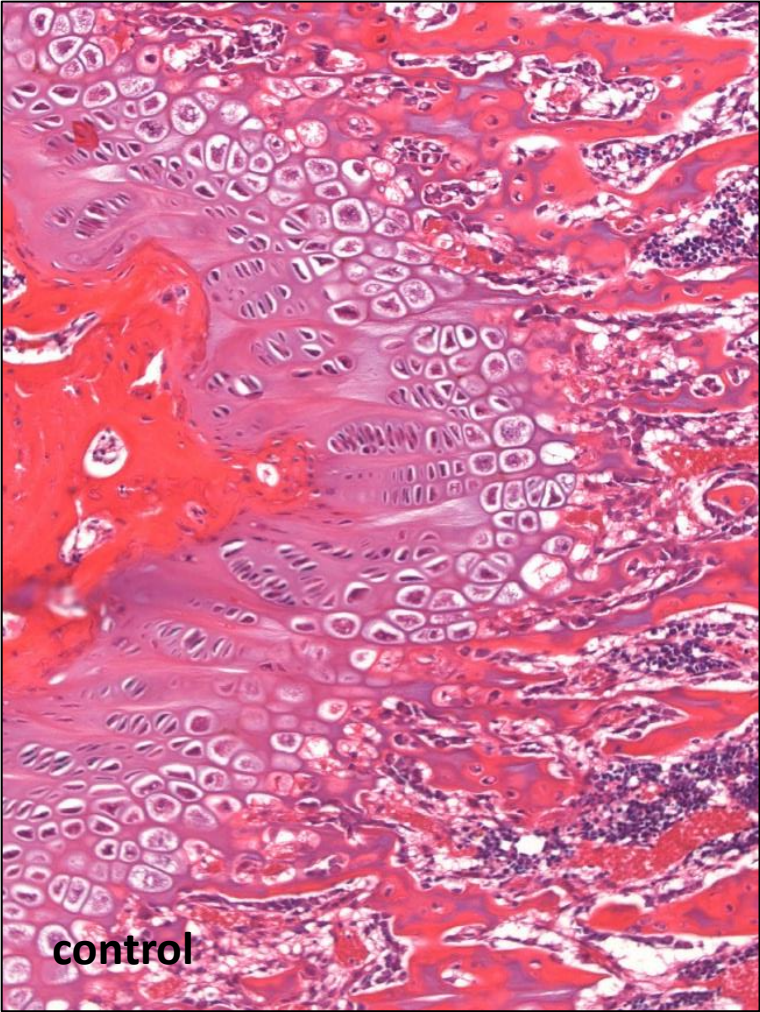
AnaPath GmbH, Switzerland

Metaphyseal bone dysplasia

- abnormality of bone texture
- extended distally into the metaphysis.
- trabeculae were wrinkled, small, numerous and showed an increased osteoid deposition (i.e. decreased mineralization)

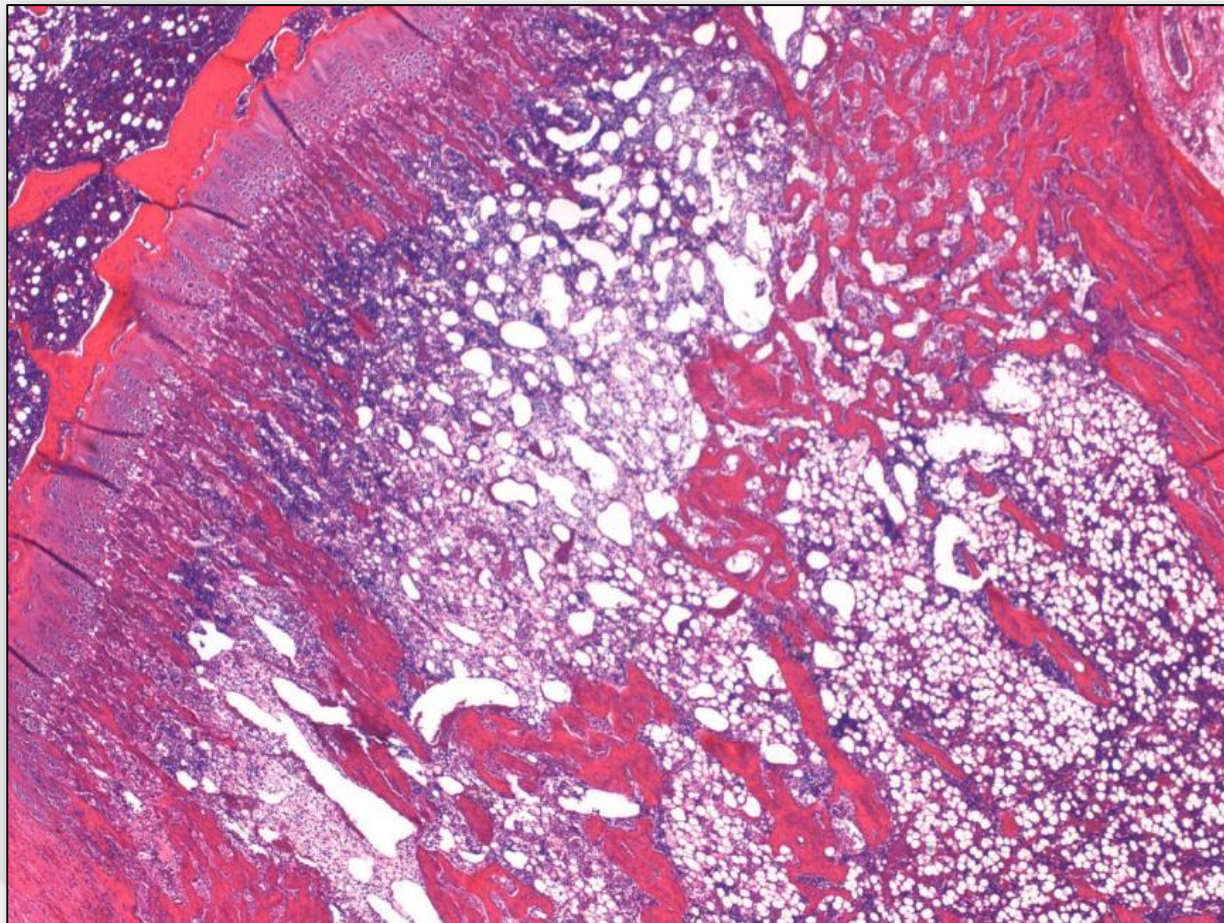


Physis hyperplasia

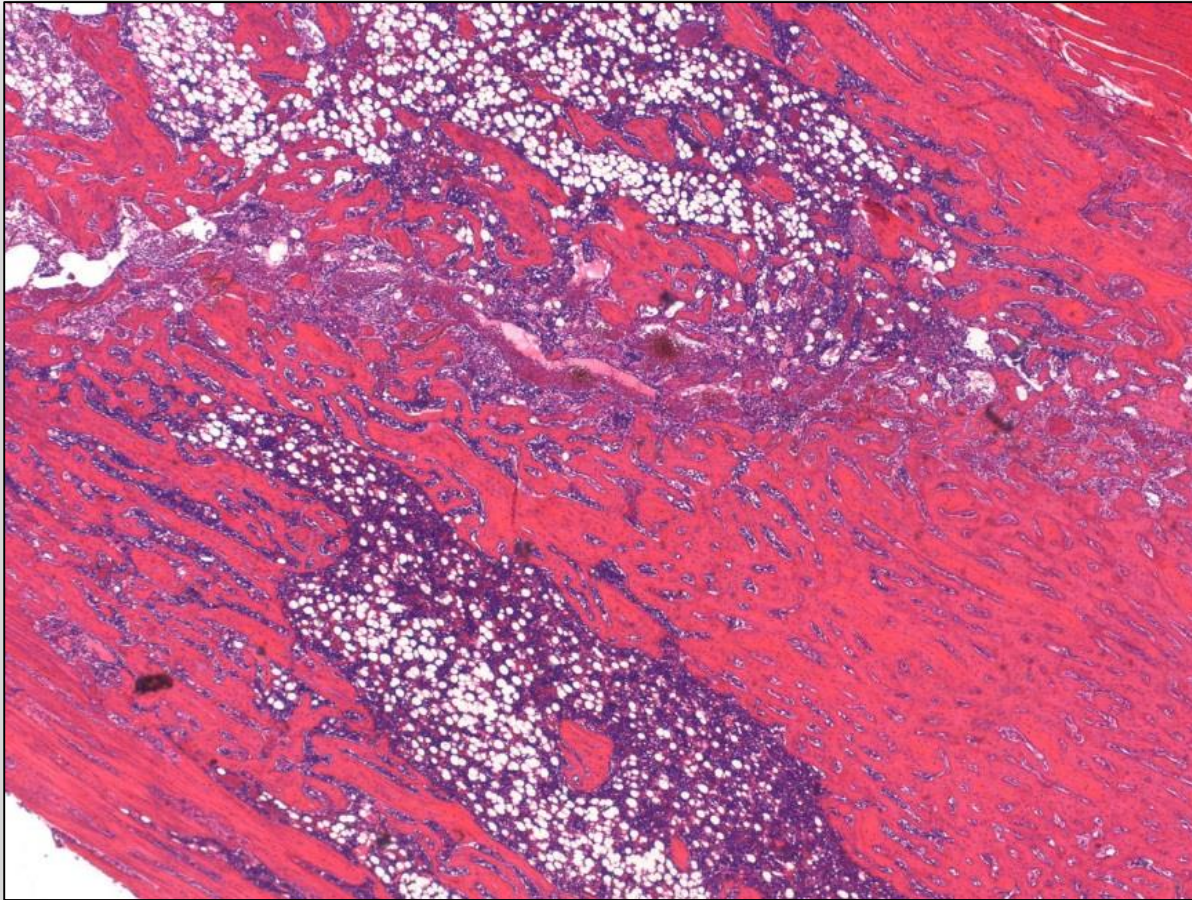


Rarefication of metaphyseal trabeculae

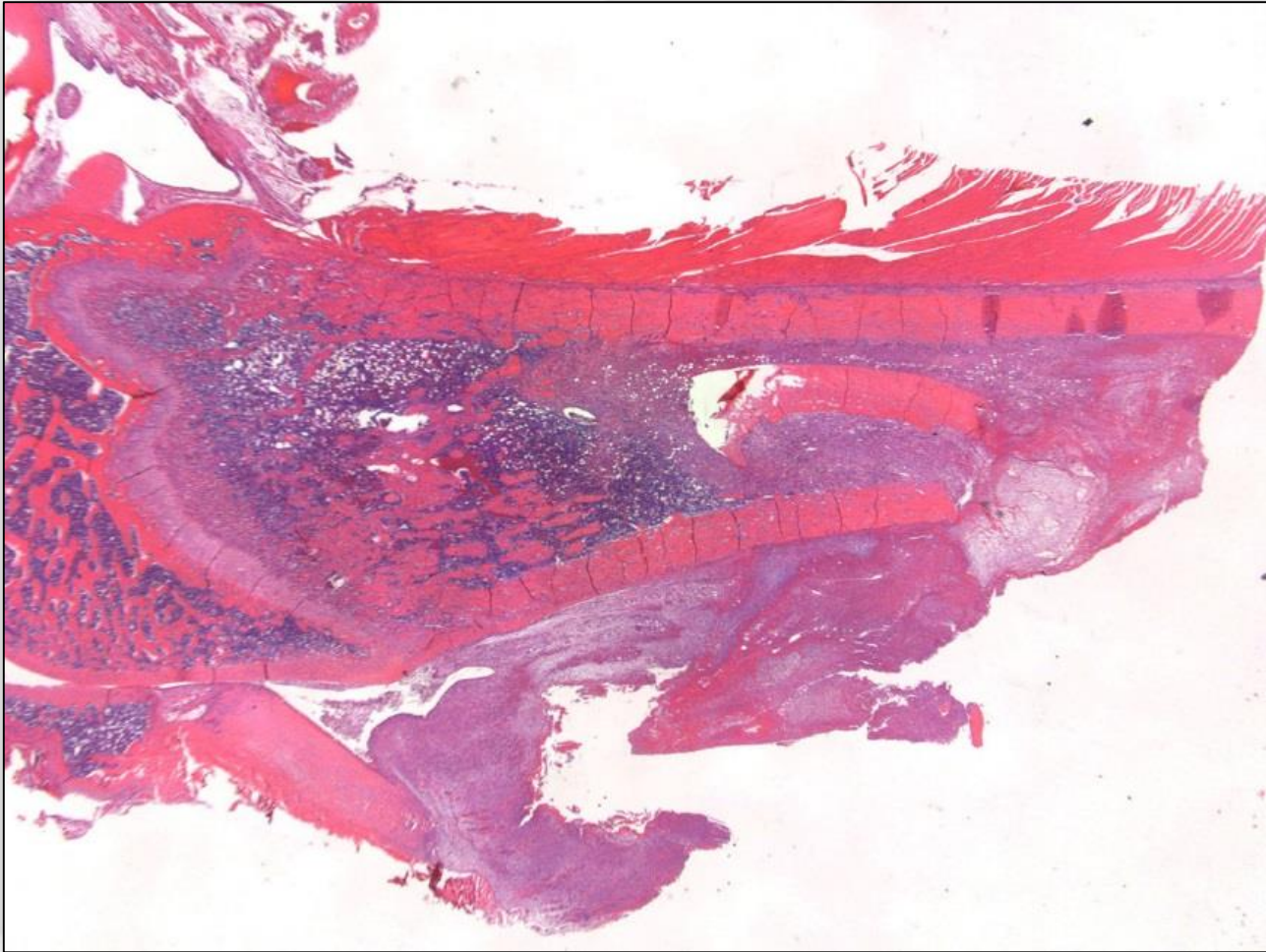
- rarefication of metaphyseal trabeculae, mainly detected in the central bone cavity of the metaphysis



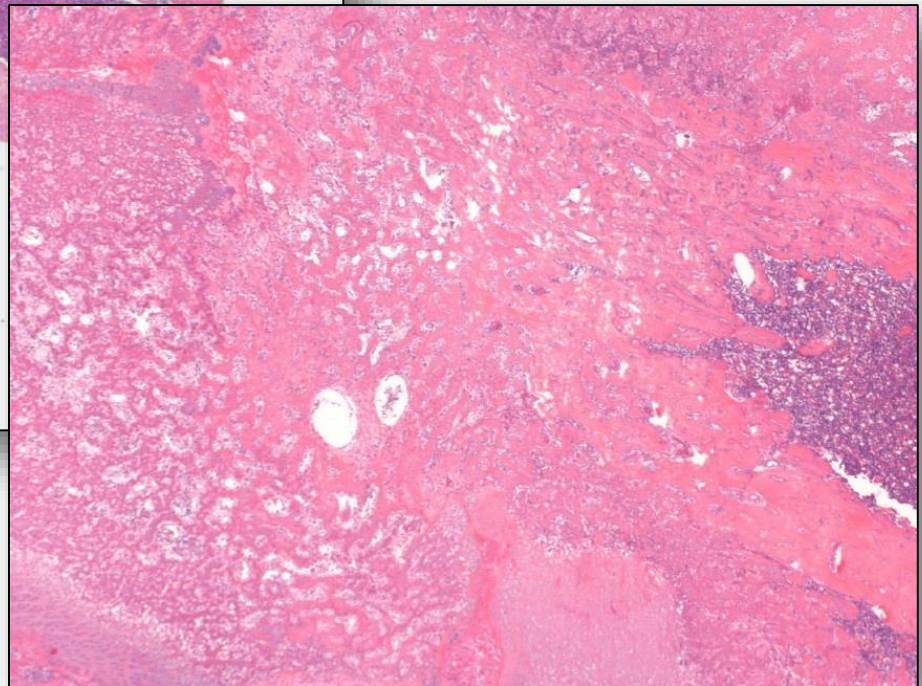
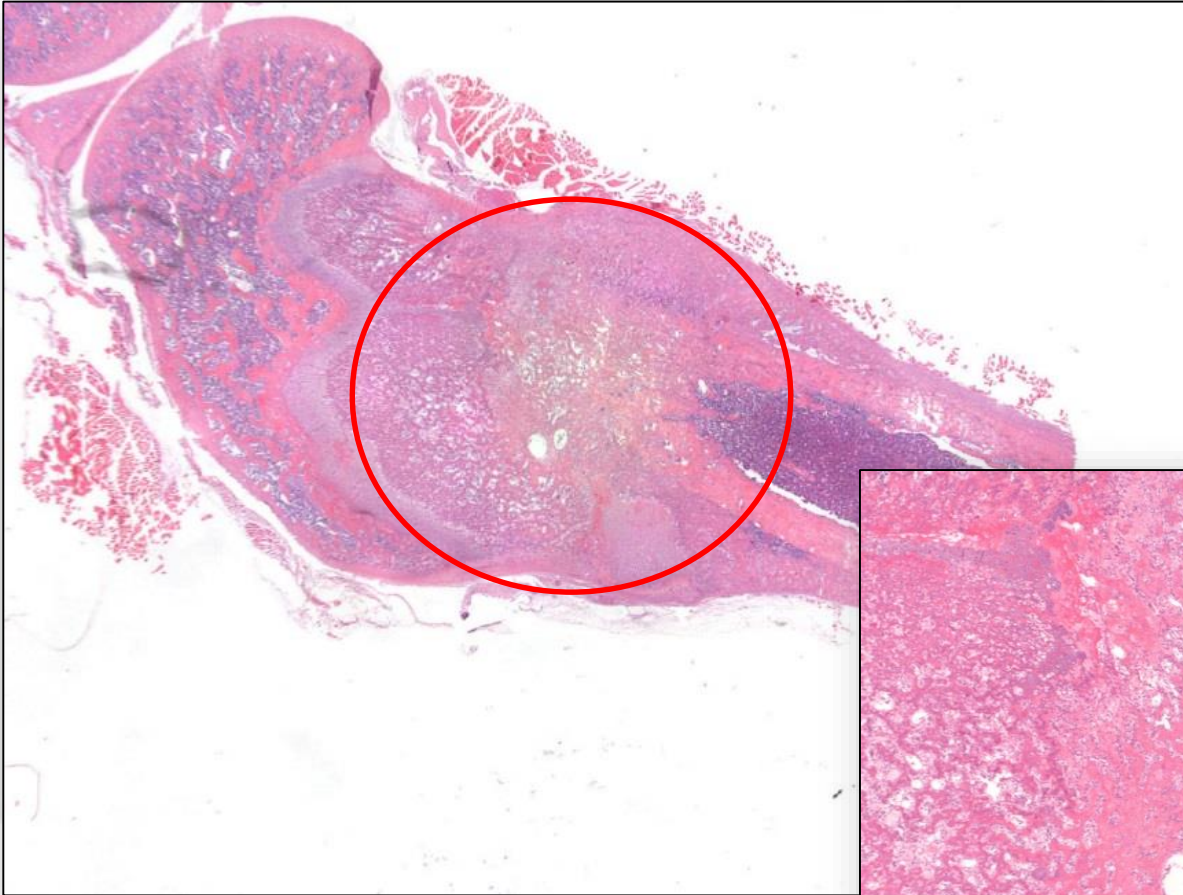
Increased bone mass and osteomyelofibrosis



Fractures



Callus



Diagnose

- **“Osteodysplasia” to summarize combined single descriptive diagnoses, mainly:
metaphyseal bone dysplasia, rarefication of metaphyseal trabeculae, metaphyseal osteomyelofibrosis and rarefication of diaphyseal trabeculae**
- **long bones affected (mainly femur and tibia and incidentally in humerus and ribs)**

Retinoids

[Turton JA, Hicks RM, Gwynne J, Hunt R, Hawkey CM.](#) Retinoid toxicity. [Ciba Found Symp.](#) 1985;113:220-51.

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