

Leave Me Alone Lesions

Dr Camille THEVENIN-LEMOINE





malignant => biopsy



Langerhans cell histiocytosis



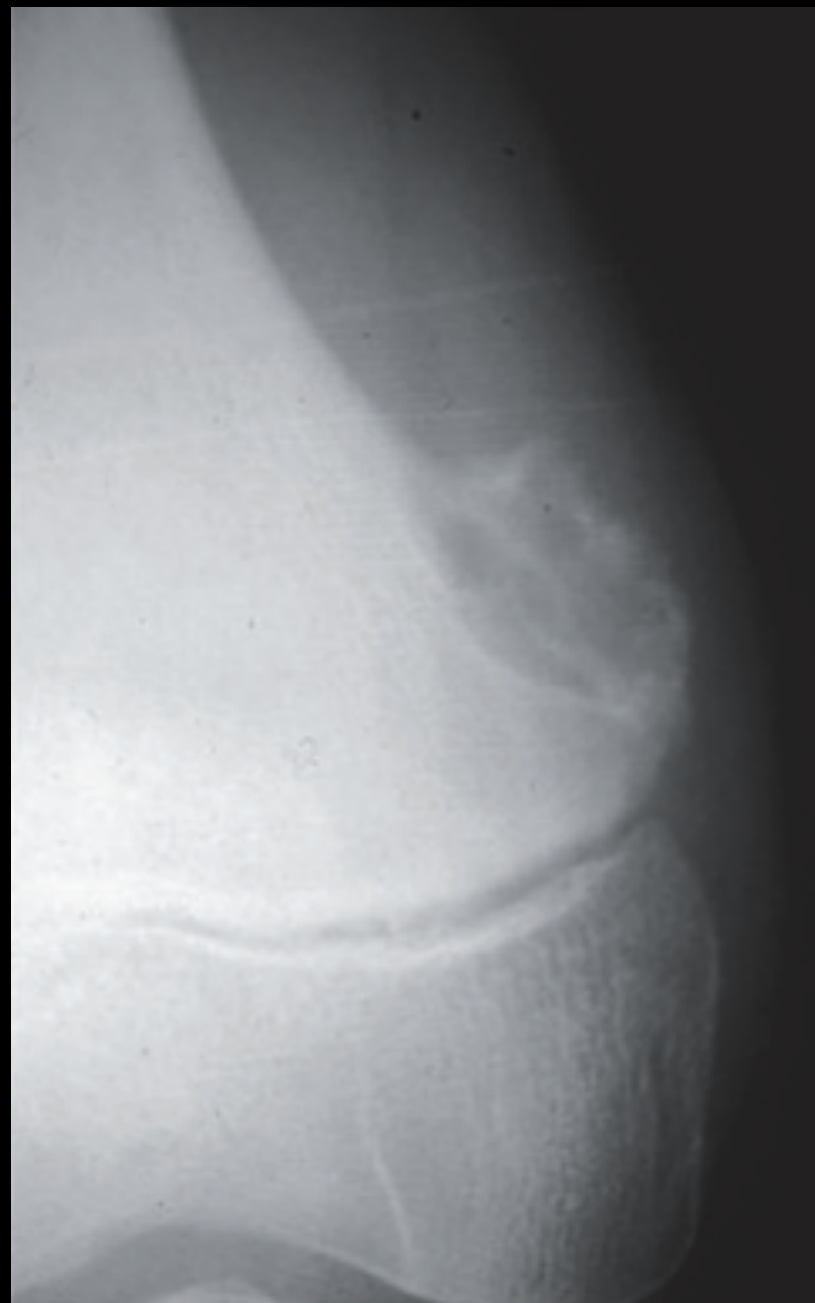
osteomyelitis

benign BUT biopsy

Leave me alone lesions

- Benign lesion
- No need for biopsy to make the diagnosis

- May need surgical treatment



Non ossifying fibroma

- Metaphysis
- Scalloped margins
- Centered on cortex
- No symptom
- Sometimes cortex erosion

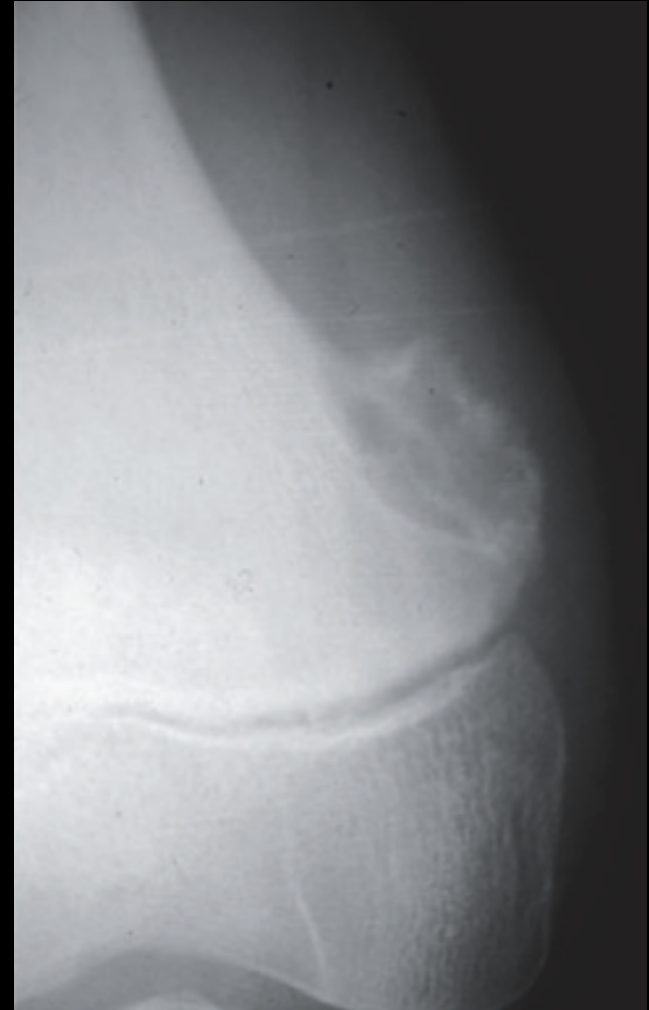


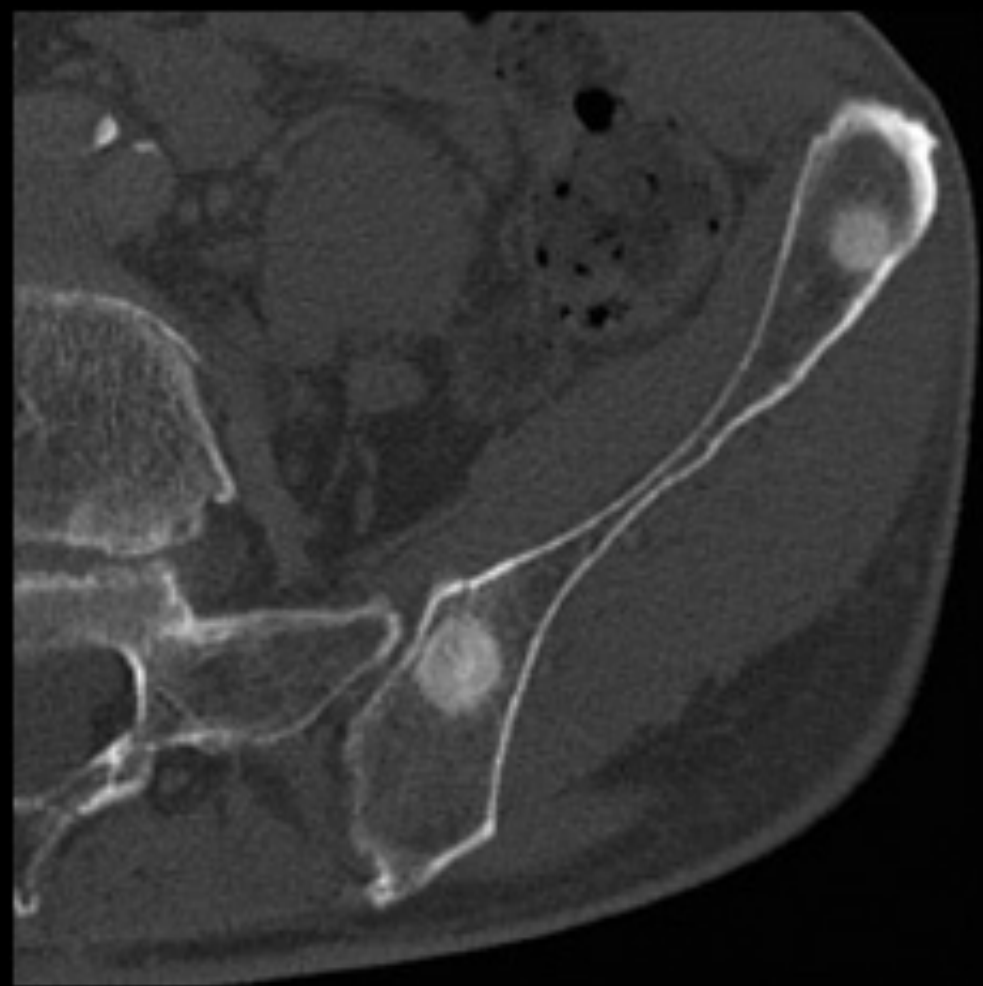
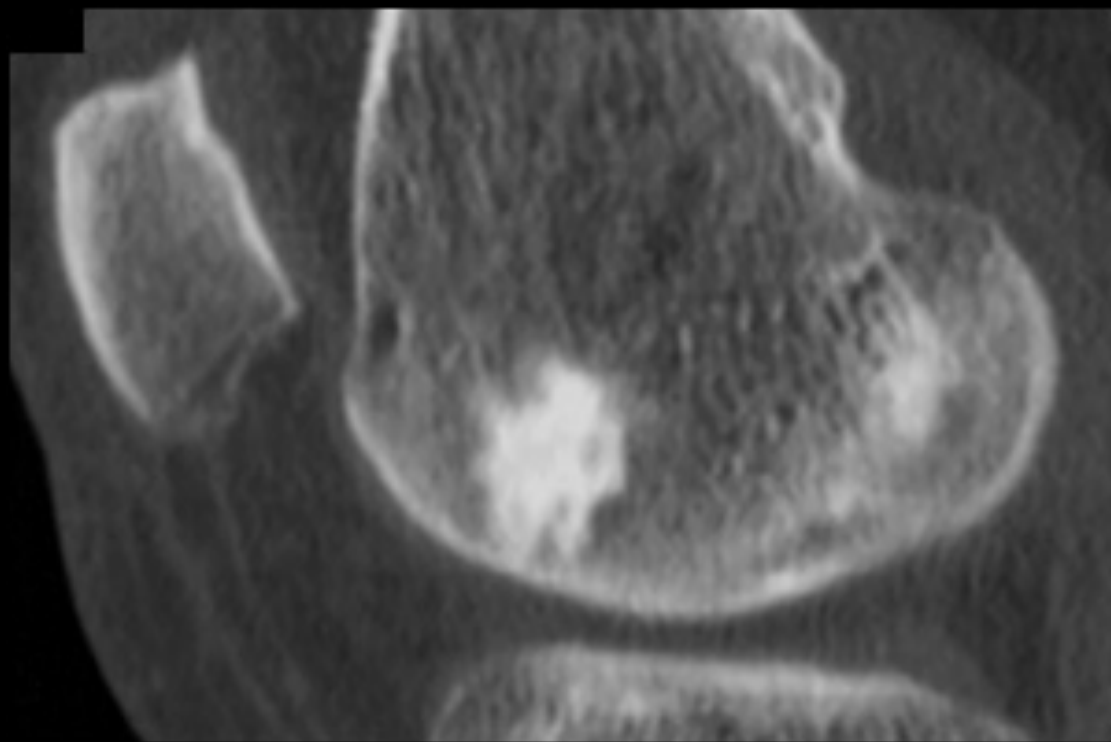
Periosteal desmoid fibroma

- ⇔ NOF
- 50% bilat
- Sometimes painful
- Avulsion

Adductor magnus / femur

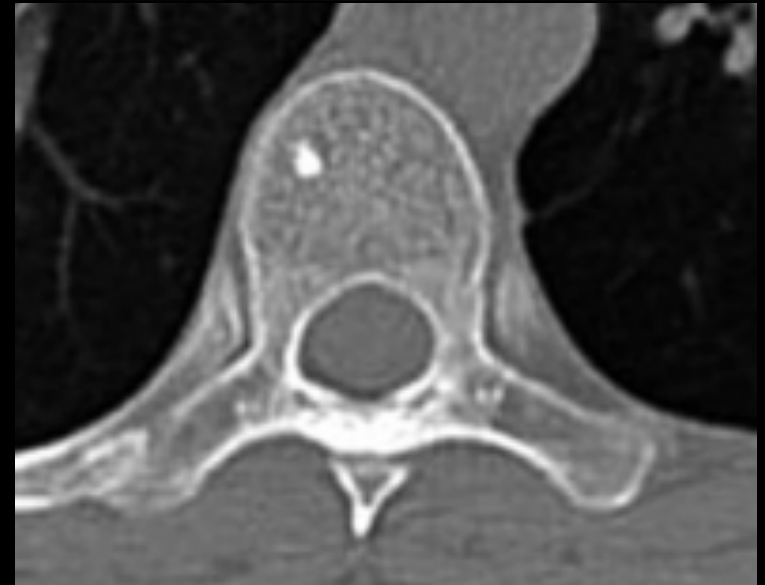
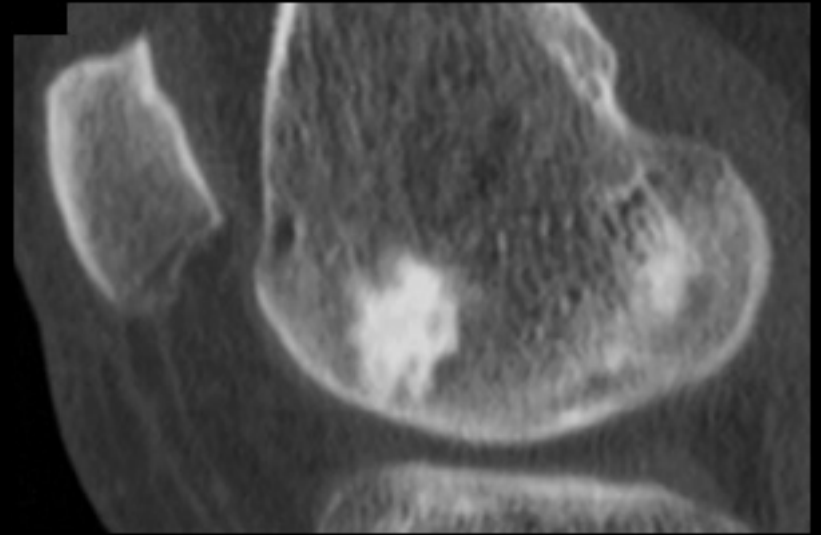
Pectoralis major / humerus





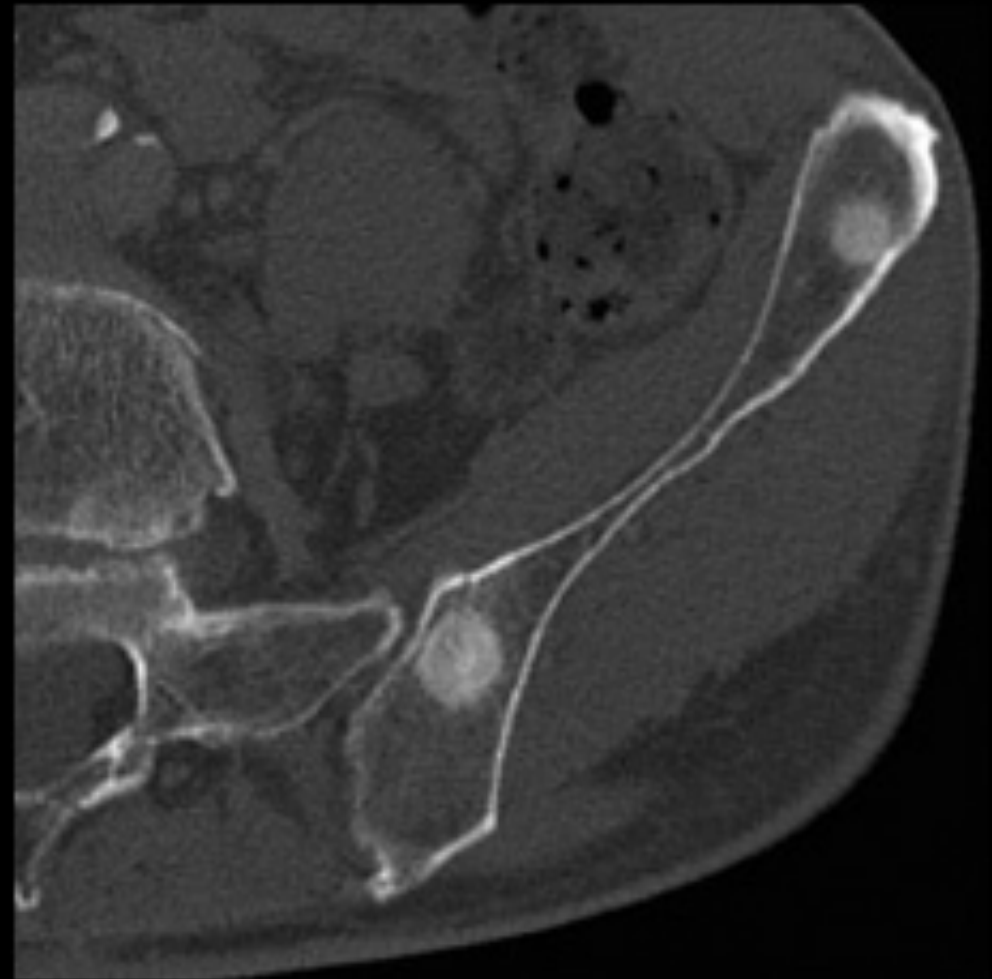
Bone island

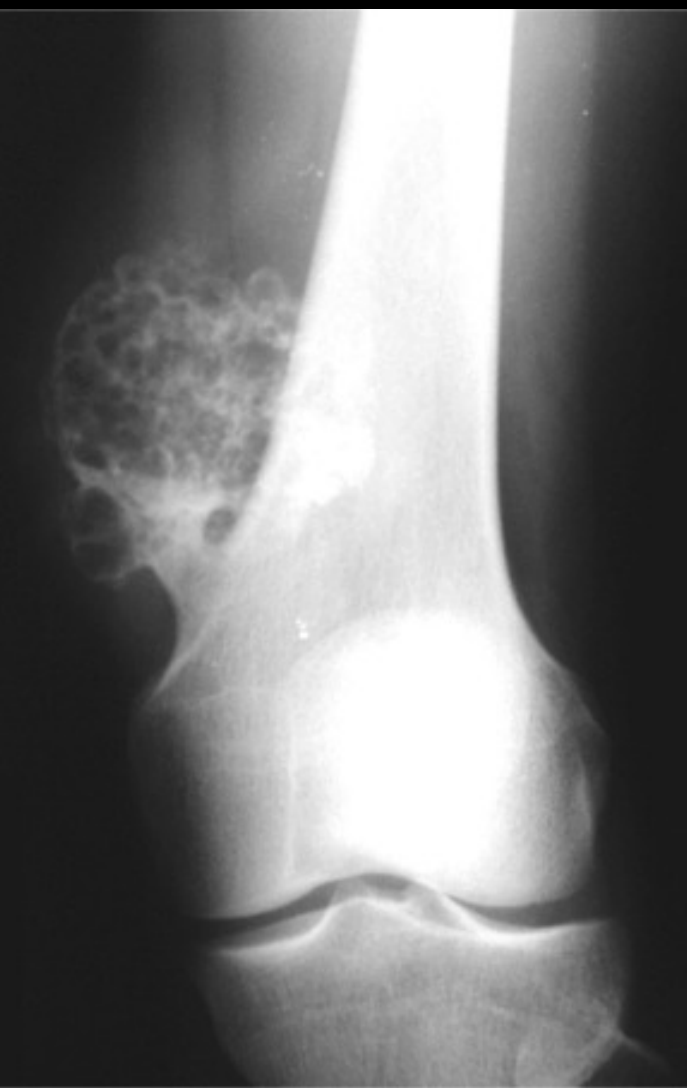
- Isolated or multiple
- Sclerotic
- No symptom
- Spikes
- MRI: hyposignal, without any modification around



Vs metastasis

- Round
- Peripheric hypersignal
T2 = oedema
- Increased by contrast
injection





Osteochondroma

- Metaphysis
- Continuity of cortex and medulla
- Growing in children
- Cartilage cap <3cm





Vs chondrosarcoma

- Radio aspect ⇔
- Bigger
- More irregular
- More calcified
- Cartilage cap >3cm
- Growing or symptomatic in adult



Vs parosteal osteosarcoma



- Posterior, distal metaphysis of femur
- No continuity of cortex and medulla

Fibrous dysplasia

- Intramedullar
- Mono/polyostotic
- Ground-glass matrix
- Well circumscribed lesions
- Thin cortex
- No periosteal reaction

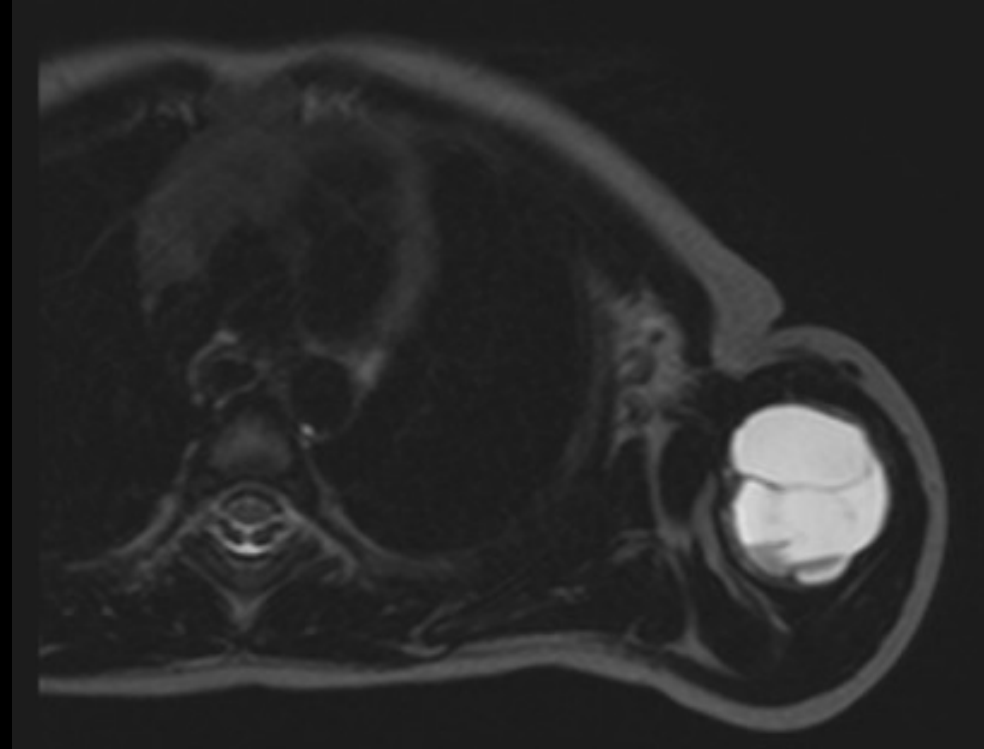
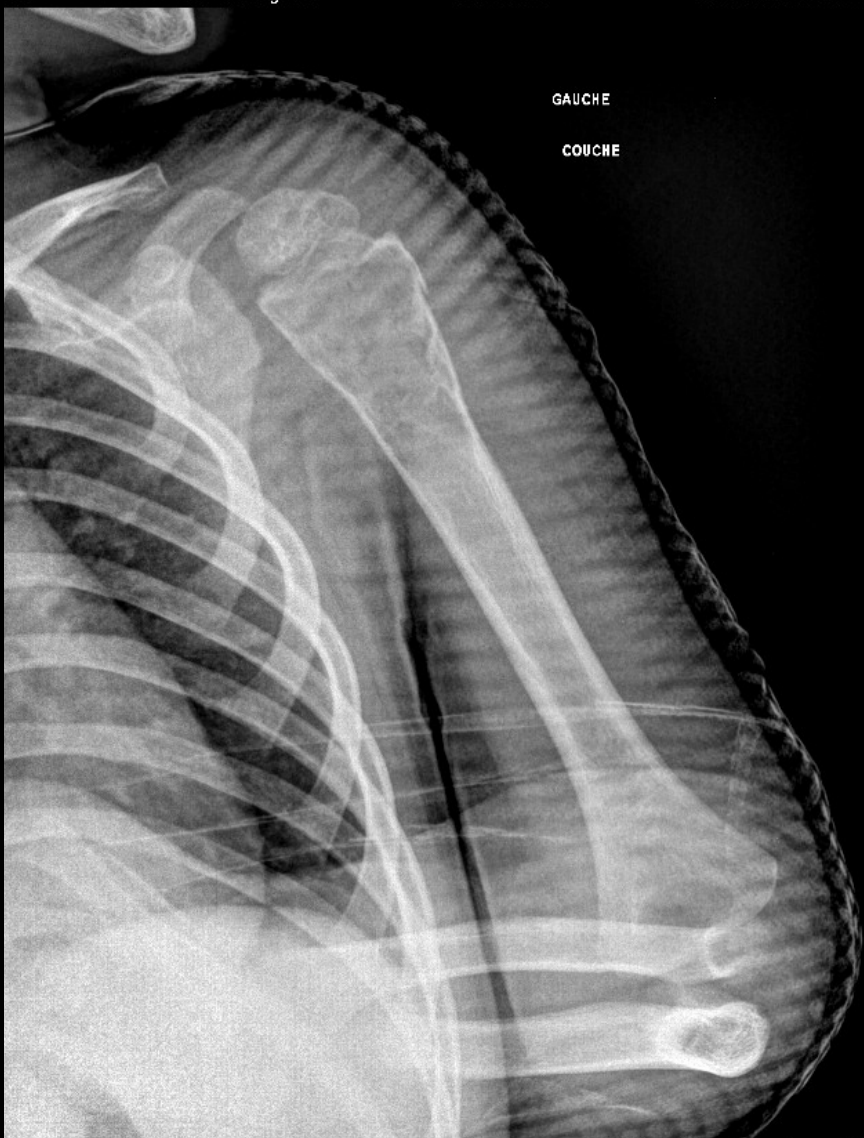




Unicameral bone cyst

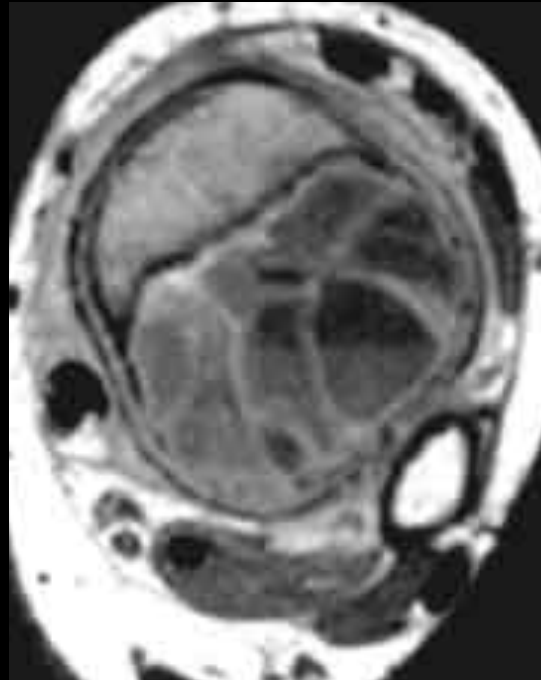
- Centered osteolysis
- Humerus
- No ossification
- No cortex interruption
- No periosteal reaction





Vs Aneurysmal bone cyst

- Not centered
- septa
- Fluid/fluid level
- Spine



Aneurysmal Bone Cyst

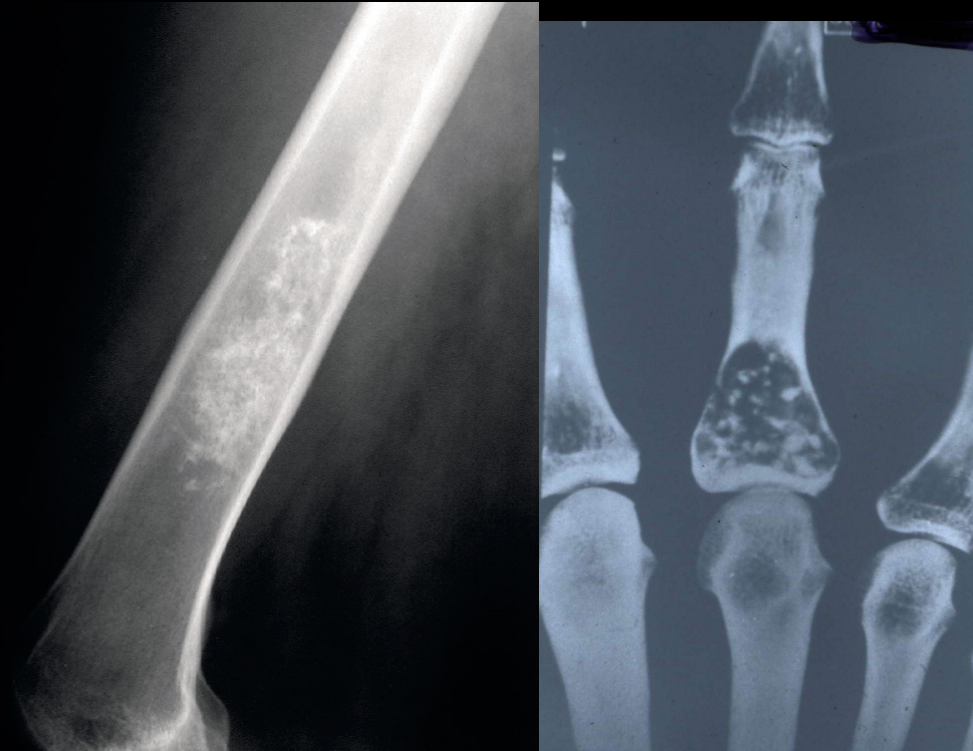
- Primary
- Secondary:
 - GCT
 - Chondroblastoma
 - Fibrous dysplasia
 - Osteoblastoma
 - Telangiectasic OS





Enchondroma

- Lytic lesion
- Scalloped margins
- Chondroid calcifications
- No soft tissue mass
- No contrast enhancement
- No cortical breakthrough



Vs chondrosarcoma

- Heterogenous
- Osteolysis
- Cortical breakthrough



Osteoid osteoma

- Night pain
- Central nidus
- Peripheral bone condensation
- Sometimes growth stimulation

- Osteoblastoma = OO >1cm

