

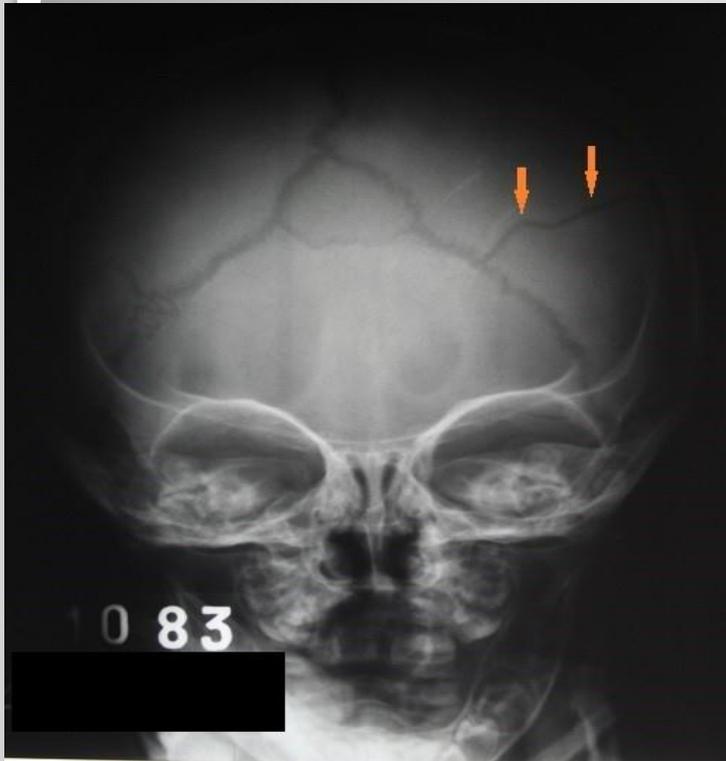
Musculoskeletal system

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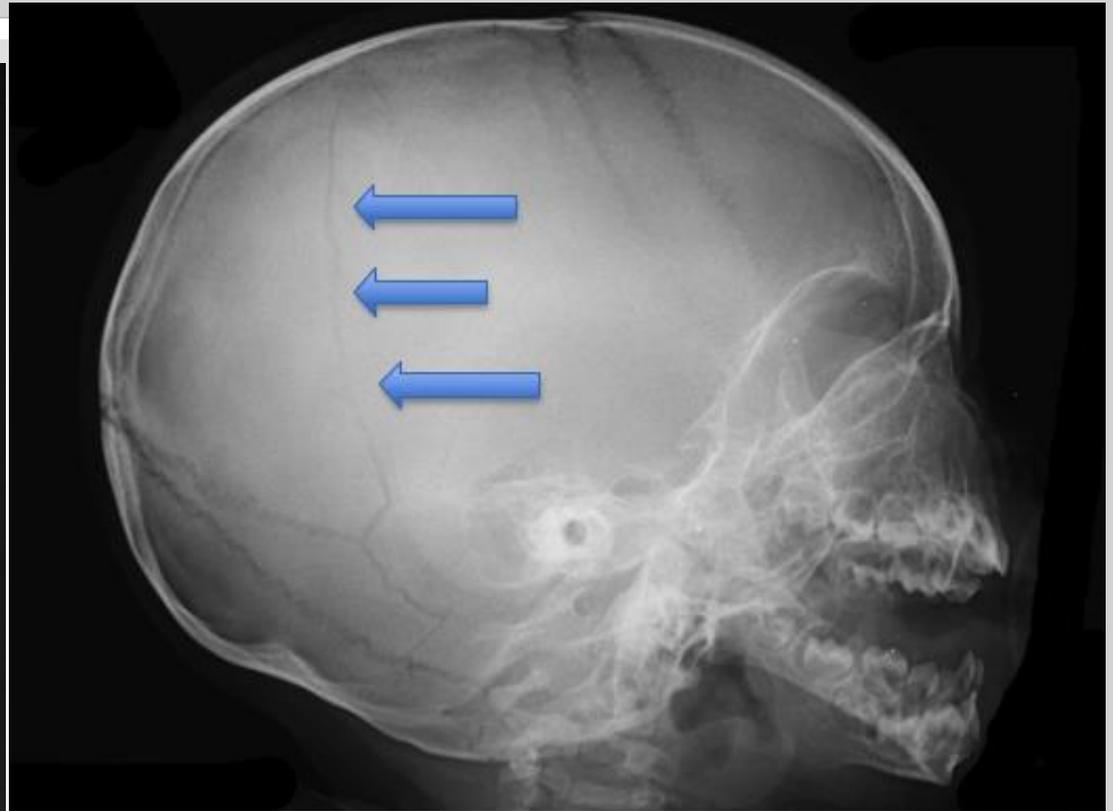
Description :- X ray of hands(Ap) view showing presence of extra number of digits.

Diagnosis :-polydactyly



Description:-X ray of skull showing linear stress line passing from coronal suture.

Diagnosis :-skull fracture



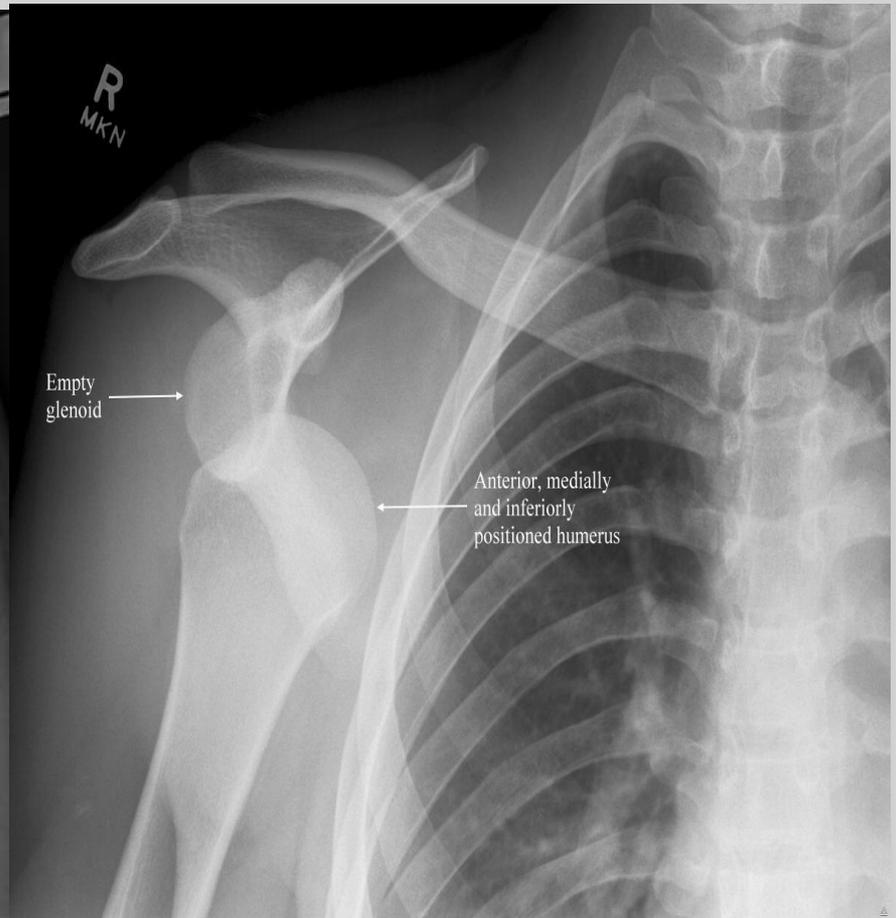
Description :-X ray of skull showing linear stress line passing from sagittal suture .

Diagnosis :-skull fracture .



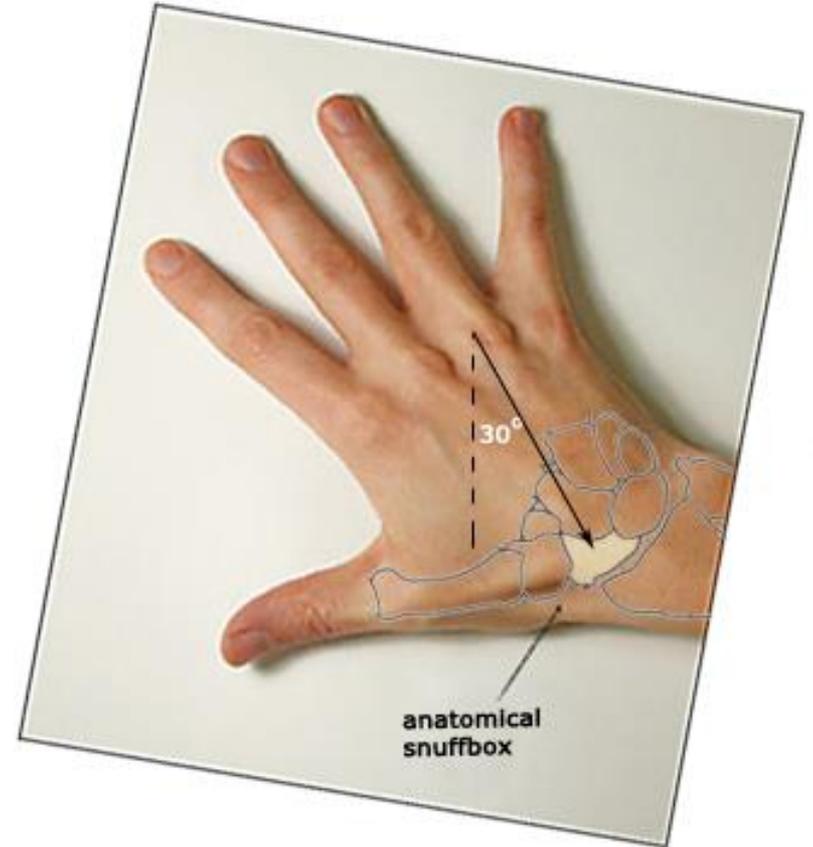
Description :-X ray of spines(AP & lateral views)showing burst out L2 vertebra.

Diagnosis :-vertebral fracture .



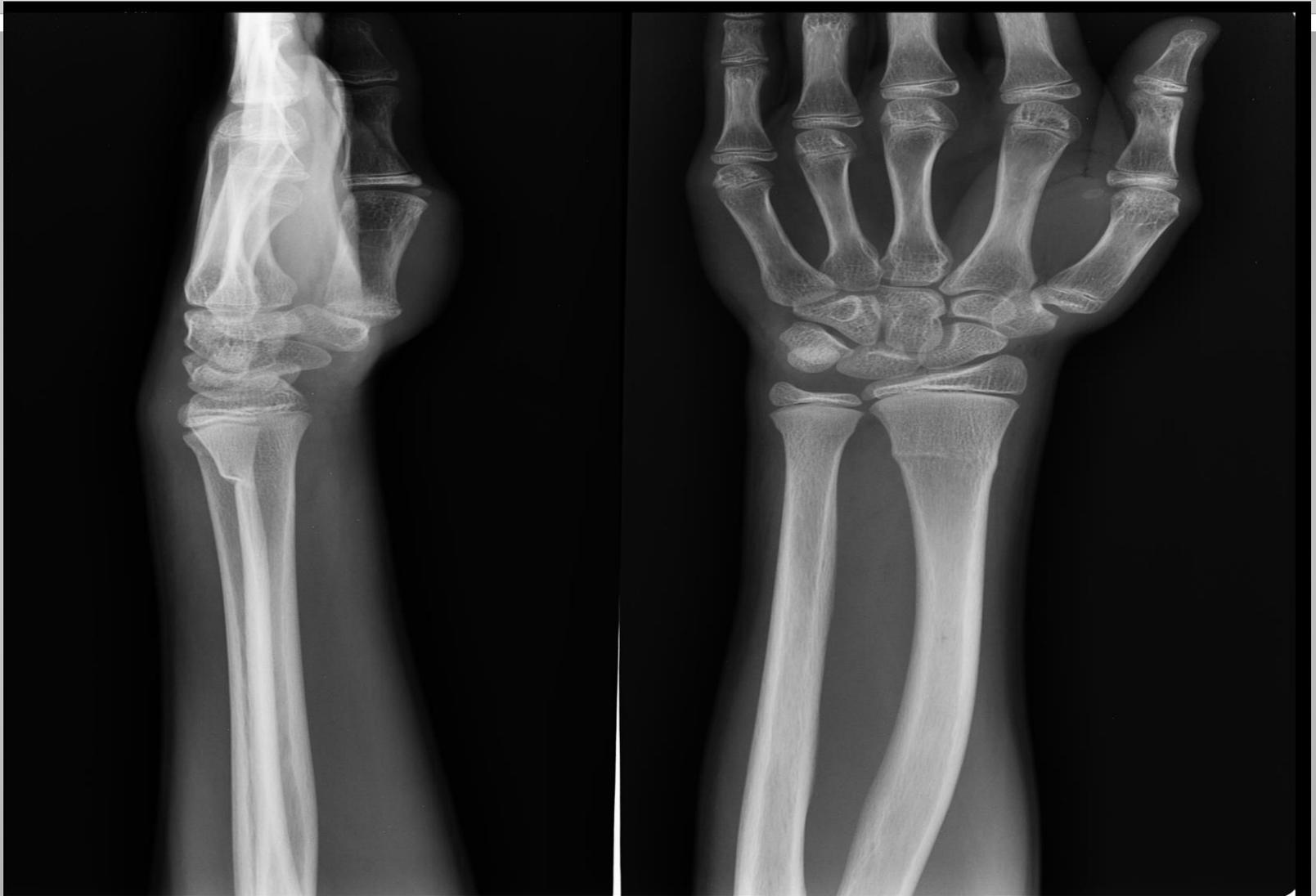
Description:-X ray of shoulder joint showing downward medially displacement of head of humerus from glenoid cavity

Diagnosis:anterior shoulder dislocation.



Description :-X ray of wrist joint,showing transverse linear line through scaphoid bone.

Diagnosis:-scaphoid fracture .



Description :-X ray of forearm of child(AP)&lateral views showing green stick fracture of distal end of radius .

Diagnosis:- fracture of radius.



Description :-X ray of pelvis showing linear line in femoral neck with impaction.

Diagnosis:- fracture of femoral neck



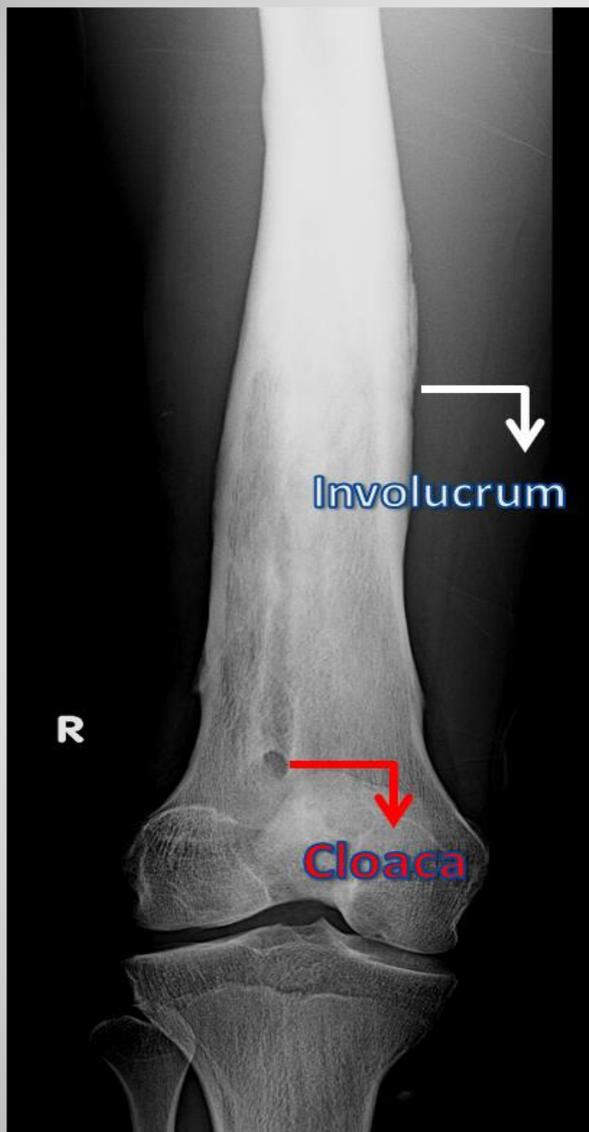
Description :-X ray of pelvis showing linear line in femoral neck with impaction.

Diagnosis:-pathological fracture of femoral neck



Description :-X ray of leg,showing area of rarefaction (moth eaten appearance) in upper 1/3 of tibia.

Diagnosis:-acute osteomyelitis.

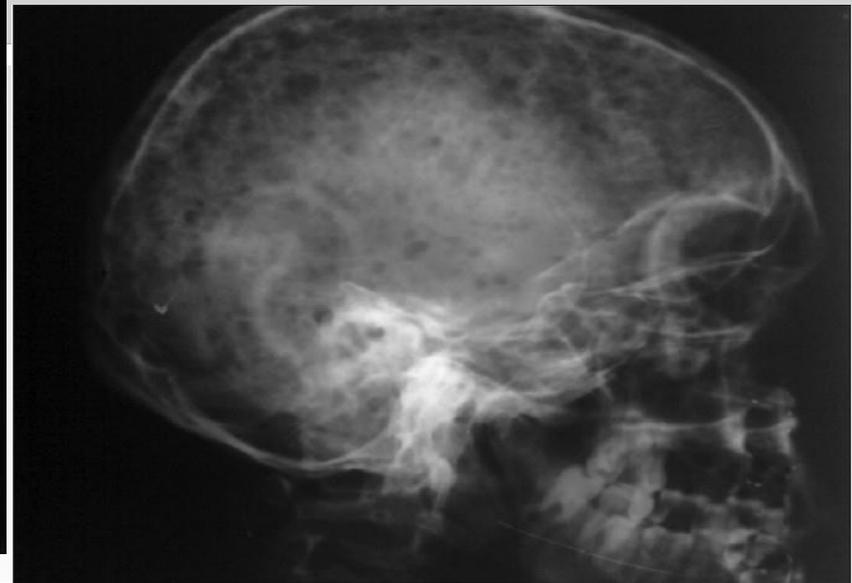


Diagnosis :-chronic osteomyelitis



Description :-x ray of spine (AP & lateral views) showing irregular area of destruction in vertebral end plates of contiguous vertebrae with sclerosis & partial wedging deformity.

Diagnosis:-T.b of spine.



Description :-X ray of skull showing multiple osteolytic lesions in the skull with characteristic rain drops appearance.

Diagnosis Multiple myeloma or secondary metastasis



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Description :-X ray of wrist joint showing cupping,fraying & splaying between distal bone ends(radius & ulna).

Diagnosis:-rickets



Description :-X ray of chest showing widening of anterior end of ribs in the point of their meeting with costal cartilages with characteristic cupping,fraying & splaying between distal bone ends
Diagnosis :- rachitic rosary



**Description :-X ray of spine showing multiple cod fish vertebrae (biconcave appearance).
Diagnosis :-osteomalacia.**

**Description :-X ray of pelvis showing triradiate pelvis deformity(inward invagination of pelvic walls) with invagination of both femoral heads.
Diagnosis :- osteomalacia.**

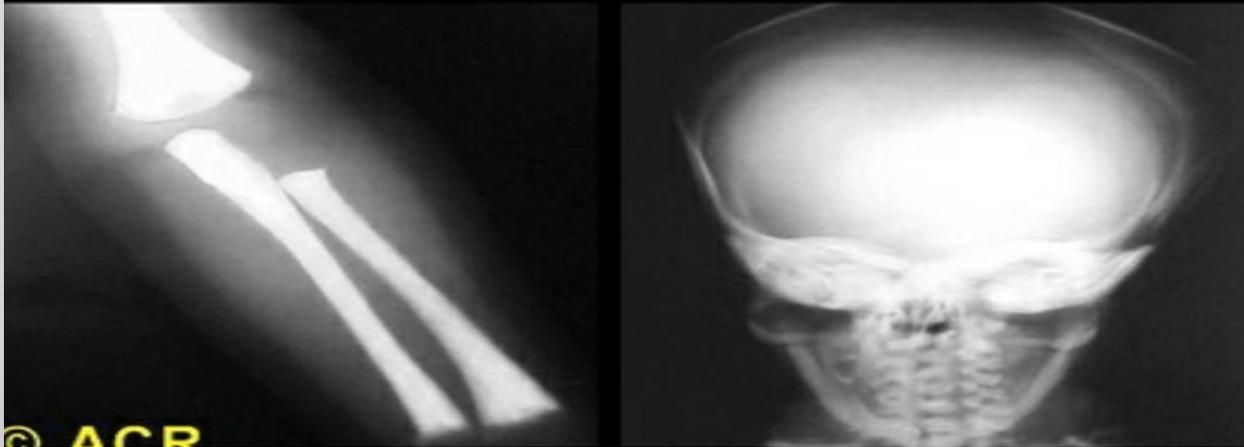
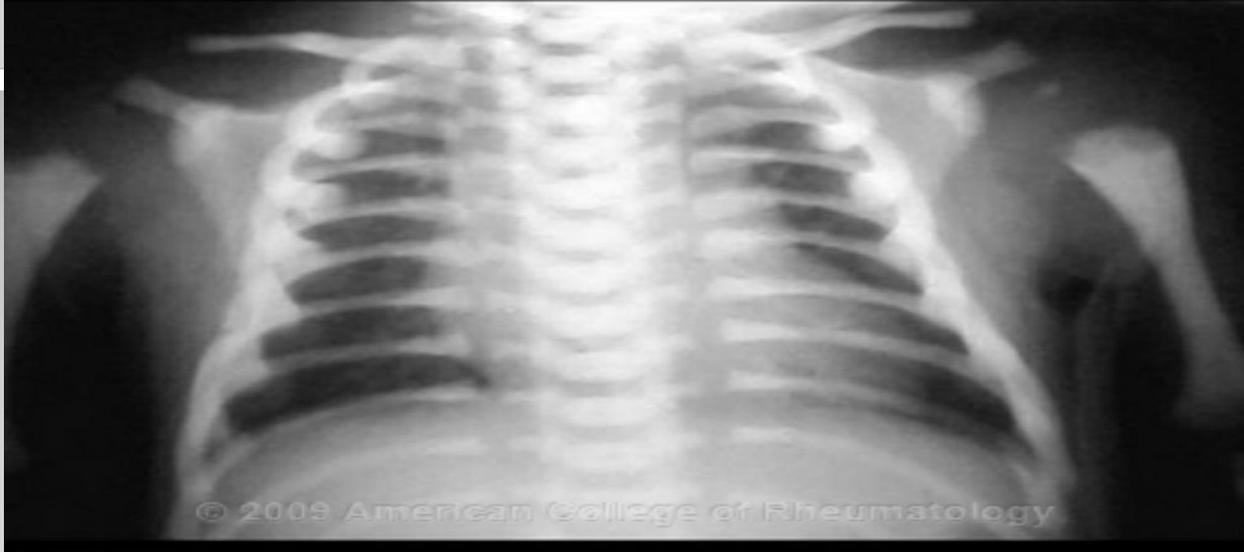


Description :-X-ray of spine showing multiple lines of increased bone density across vertebral end plate(Rugger jersey spine)
diagnosis :-renal osteodystrophy.



Description :-x ray of lower limbs showing overall decrease bone density.

Diagnosis :-osteogenesis imperfecta.

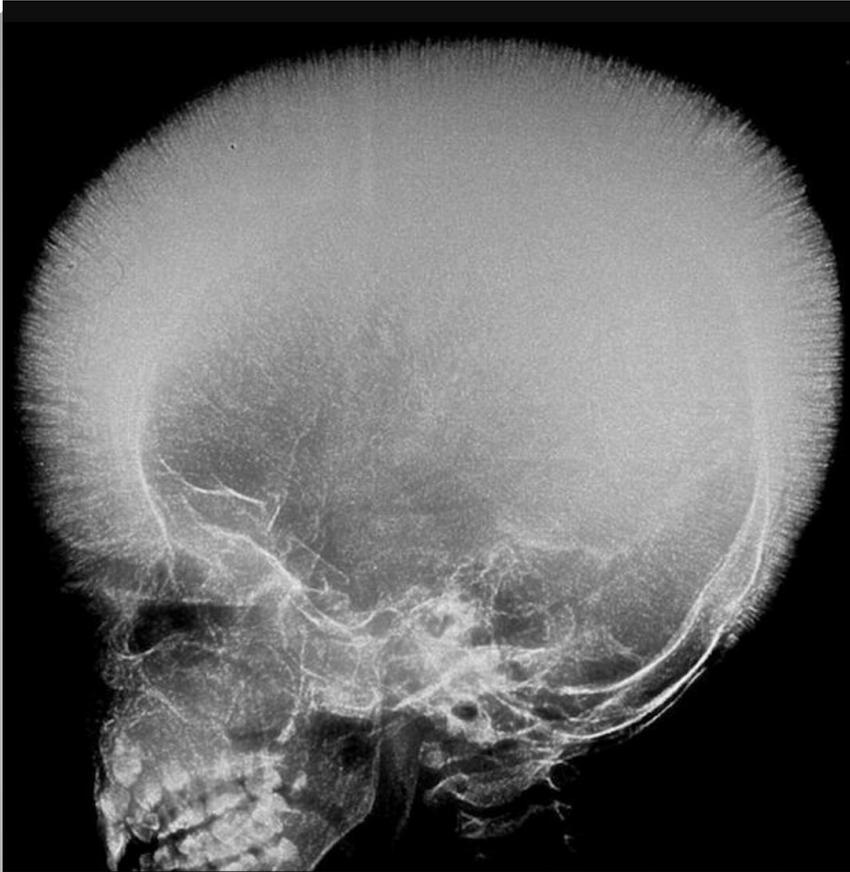


Description :-multiple x ray of hands ,skull&ribs;showing overall increase bone density.

Diagnosis :-osteopetrosis .



Diagnosis :-osteopetrosis



Description :-X ray of skull showing hair on end appearance .
Diagnosis:-thalassemia.





Description :-X ray of pelvis showing shortening of femur with flaring & peaking of distal metaphysis.

Diagnosis:-achondroplasia

Description :-X ray of spine showing bullet like vertebrae .

Diagnosis :-achondroplasia



Description :-x ray of skull showing multiple intrasutural bones in the lambdoid suture .

Diagnosis :-wormian bone



Description :-X ray of skull showing copper beaten appearance.

Diagnosis :-craniosynostosis.



Description :-X ray of skull showing

1-frontal bossing

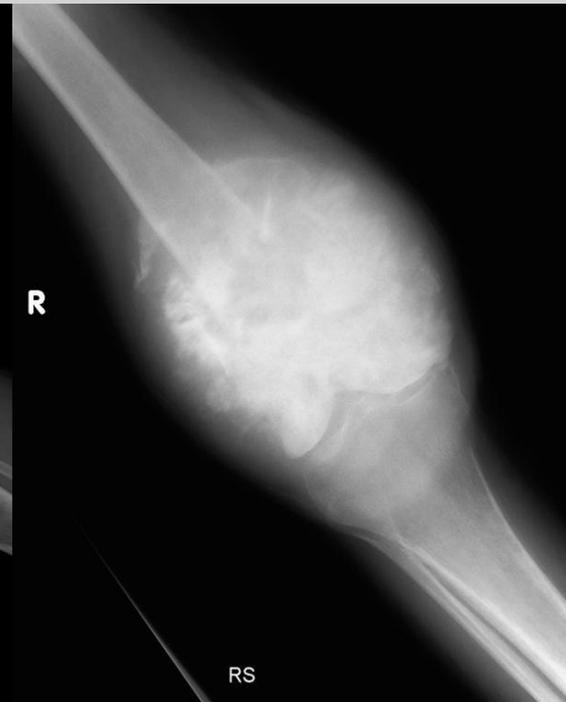
2-prognathism

3-ballooning of sella turcica.

4-thickening of outer vault of skull.

5-occipital tubercle thickening.

Diagnosis :- acromegaly



Description :-X ray of humerus showinrather well defined lesion affect distal limb part with cortical & medullary involvement & periosteal reaction(sun ray speculation) with codman's triangle surrounded by soft tissue swelling .

Diagnosis:osteosarcoma





Description :-Expansile lytic lesion with Cortical destruction.

Sun ray speculation(periosteal reaction)

Soft tissue swelling

Elevation of the cortical margin forming(codman's triangle)

diagnosis :- osteosarcoma



Description :-x-ray of the upper limb / AP view / showing ill-defined destruction with onion peel appearance and periosteal reaction.

DDx: Ewing sarcoma (center of diaphysis – 5-15 years) & osteochondroma (metadiaphysis – above 20 years).



Description :-x-ray of the wrist / AP view / showing expansile lytic lesion, subarticular in position with intact cortex giving the soap bubbles appearance / mostly at wrist and knee

Diagnosis: Giant cell tumor.



Description :-x-ray of the knee / AP and lateral view / showing bony projection from the distal lateral aspect with wide pedicle directed away from the joint / Diagnosis: osteochondroma.



Description :-x-ray of the knee / AP and lateral view / showing multiple exostosis and calcification of the cap . **Diagnosis**:- diaphyseal aclasia.



Description :-x-ray of hand / AP view / showing multiple Enchondromas

Diagnosis :-ollier's disease



Description :-x-ray of the fingers / AP view / showing well defined lesion, expansile lytic inside the phalagus with intact cortex

Diagnosis: enchondroma.



Description :-x-ray of the humerus / AP view / showing expansile lytic lesion affecting metadiaphysis of the proximal humerus with thinning and intact cortex

Diagnosis: simple bone cyst.



Description :-x-ray of femur / AP view / showing lucent area (nidus) surrounded by sclerotic rim

Diagnosis: osteoid osteoma.



Description :-x-ray of lumbar and cervical spine / lateral view / showing narrowing of joint space and osteophyte projection from upper and lower aspect of the vertebral end plate and subchondral sclerosis

Diagnosis: osteoarthritis of the spine called spondyloarthropathy.

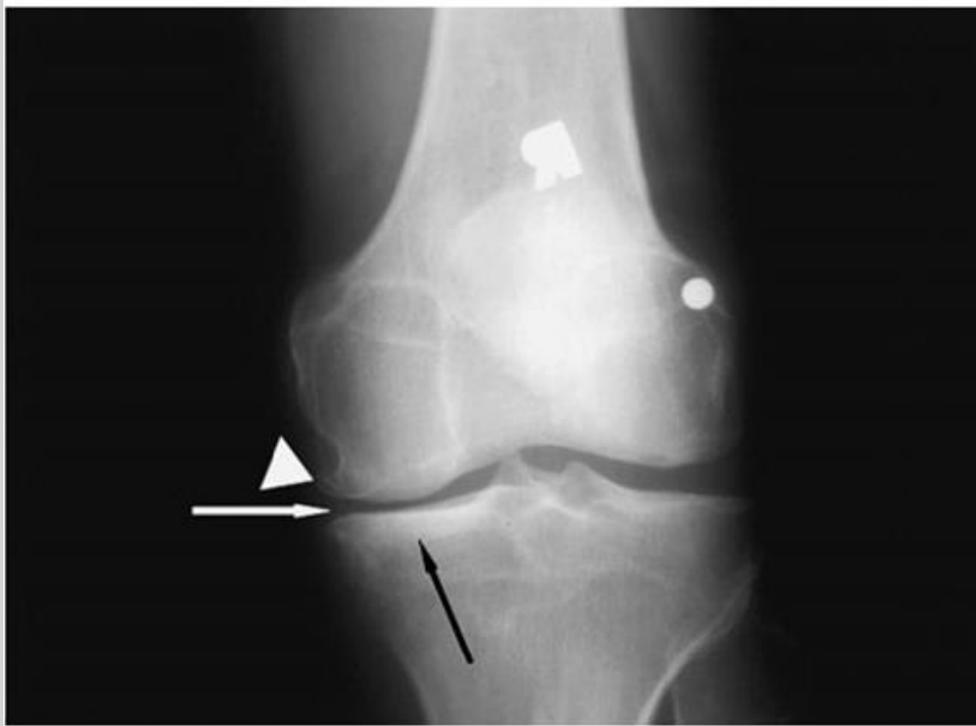


Figure 1

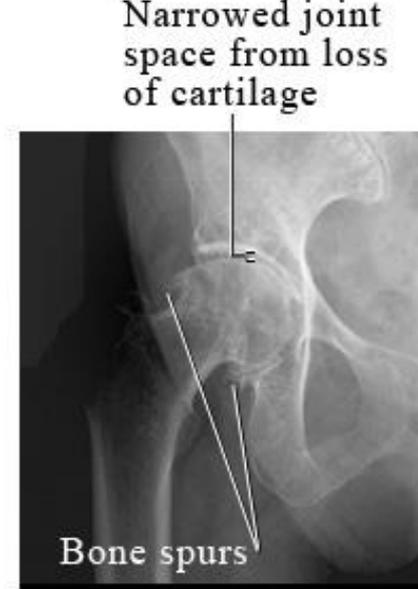


Figure 2

Description :-x-ray of knee joint / AP view / showing reduction of joint space, osteophyte, elongation of tibia spine, subchondral sclerosis

Diagnosis: osteoarthritis.



Description :-x-ray of the hand / AP view / showing erosions of DIP and PIP with gull wing pattern and interphalangeal fusion

Diagnosis: erosive osteoarthritis.



Description :-x-ray of the hand / AP view / showing periarticular erosion with destruction and narrowing of whole MCP joint + juxta-articular osteoporosis + soft tissue swelling + subluxation

Diagnosis: rheumatoid arthritis.



Description :-x-ray of the pelvis / AP view / showing both sided ankylosis of the sacro-iliac joint.

Diagnosis:- ankylosing spondylitis.



Description :-x-ray of spine / AP and lateral view / showing clear bamboo spine

Diagnosis: ankylosing spondylitis.



Description :-x-ray of the foot / AP view / showing periarticular erosion and destruction of MTP joint and soft tissue tophi

Diagnosis:- gout.

Nothing 😊



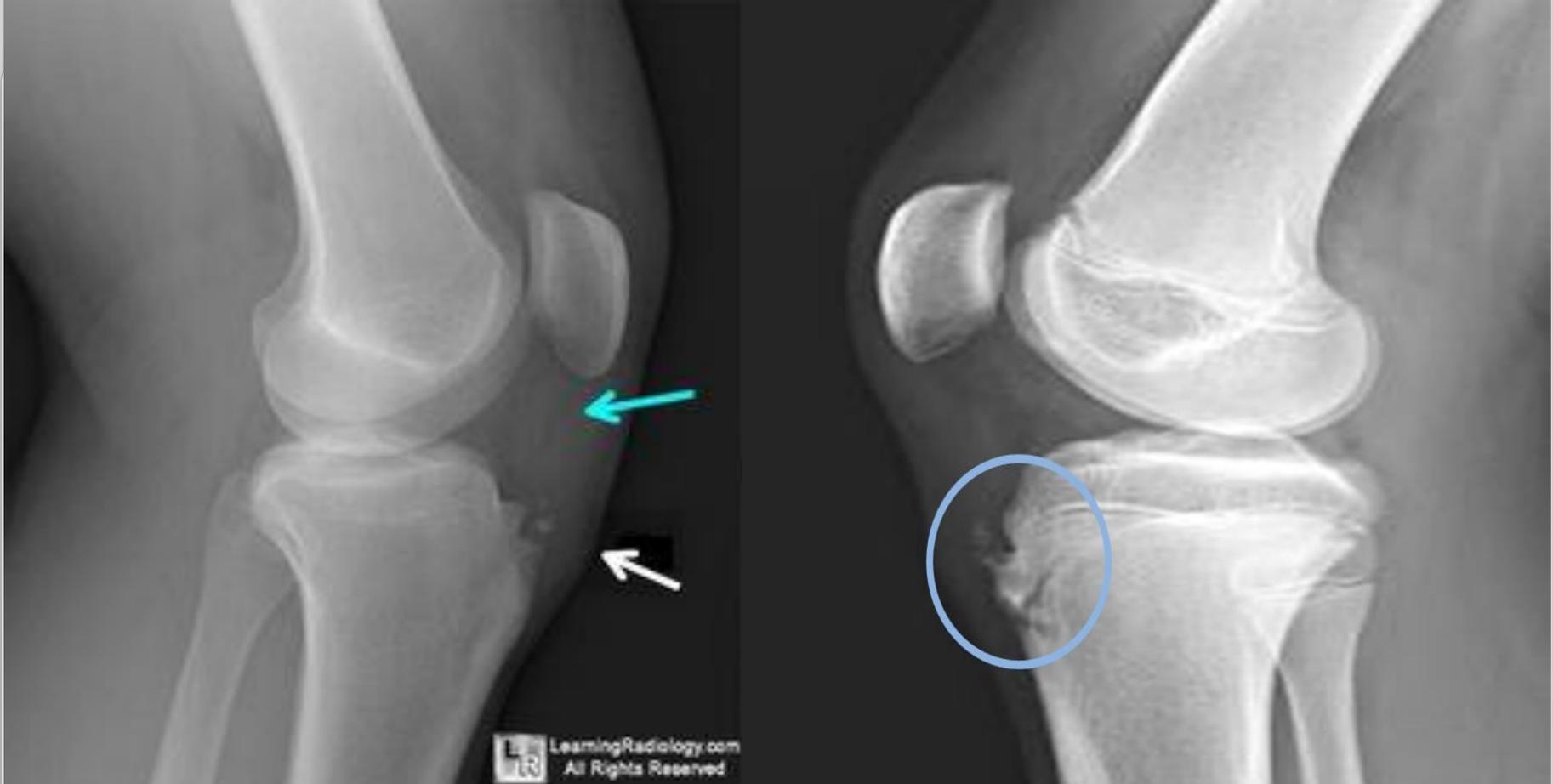
Description :-x-ray of the pelvis / AP view / showing mushroom deformity and flattening and dense appearance of the epiphysis

Diagnosis: perthe's disease.



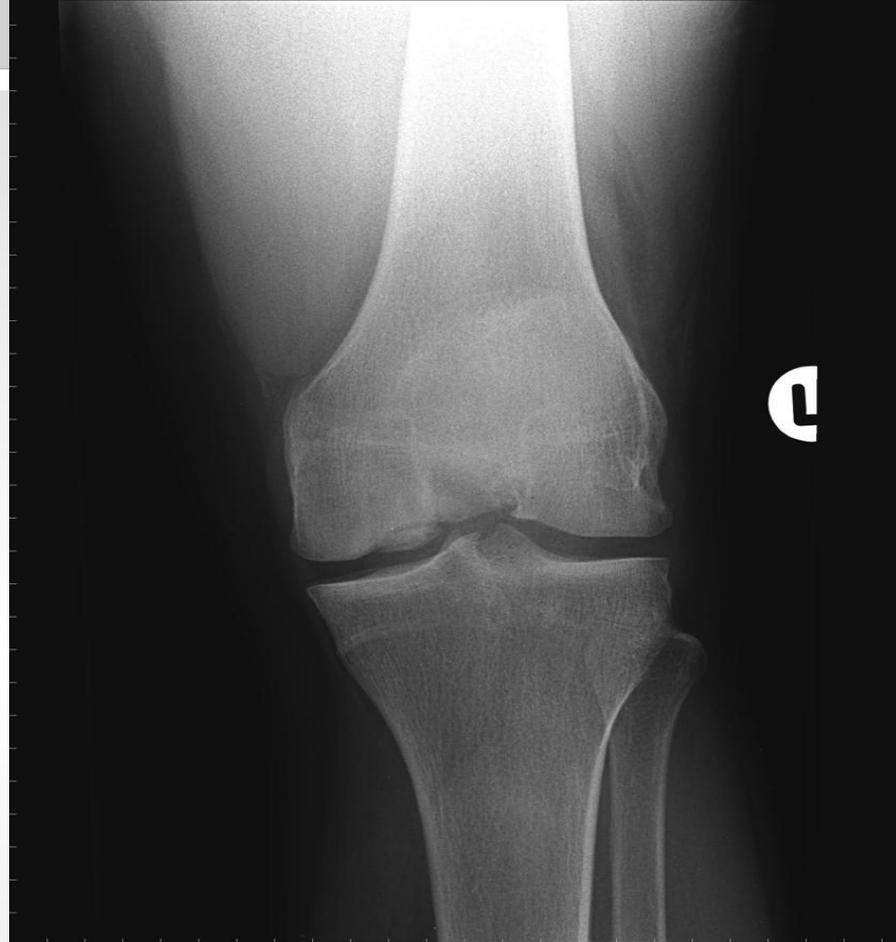
Description :-x-ray of the foot / AP, lateral, oblique view / showing hyperdense disk like appearance of navicular bone

Diagnosis: Kohler's disease.



Description :-x-ray of the knee / lateral view / showing osteochondrosis of the tibial tubercle

Diagnosis: Osgood schlatter.



Description :-x-ray of the knee / AP view / showing rather well defined small seperated part of the distal medial aspect of the femur

Diagnosis:- osteochondritis dissecans.



Description :-x-ray of the pelvis / AP view / showing shentine's and perkin's lines.



Description :-x-ray of the pelvis / AP view / showing disturbances of shentine line with displacement of femoral head superiolaterally with shallow acetabulum
Diagnosis: DDH.



Description :-x-ray of the pelvis / AP view / showing displacement of femoral head superiolaterally with shallow acetabulum and psuedoarticulation

Diagnosis :- neglected DDH in adult.