

Bone xray



An 8 yr old child presents with a limp of 7 weeks duration, and mild swelling around the right ankle. The child has been systemically unwell and febrile. An x-ray has been taken in triage and marked thus.

Describe the Xray 2 marks

*There is quite a well demarcated lucent area in the metaphysis of the humerus of the tibia. This lucent area lies immediately underneath the epiphyseal plate. There is no evidence of infiltrative type destruction of the bone adjacent to it and there is no periosteal reaction.*

Name the abnormality and the causative process. (2 marks)

*Brodie's abscess, a chronic abscess of bone surrounded by dense fibrous tissue and sclerotic bone*

What is the best radiological investigation for this disease process? 1 mark

*MRI*

If a 5 year old presented with a limp, give 5 possible causes (5 marks)

*Irritable hip, septic arthritis, toddlers fracture, osteomyelitis, FB in foot, ill fitting shoes...*