

MI-COD

MSS INDIA- Case Of the Day



30/09/2024

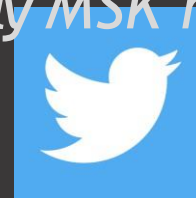
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Musculoskeletal Society of India (MSS) &
Indian Journal of Musculoskeletal Radiology
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**65/ MALE WITH HISTORY OF RIGHT ANKLE PAIN FOR 2
YEARS.
NO TRAUMA.**



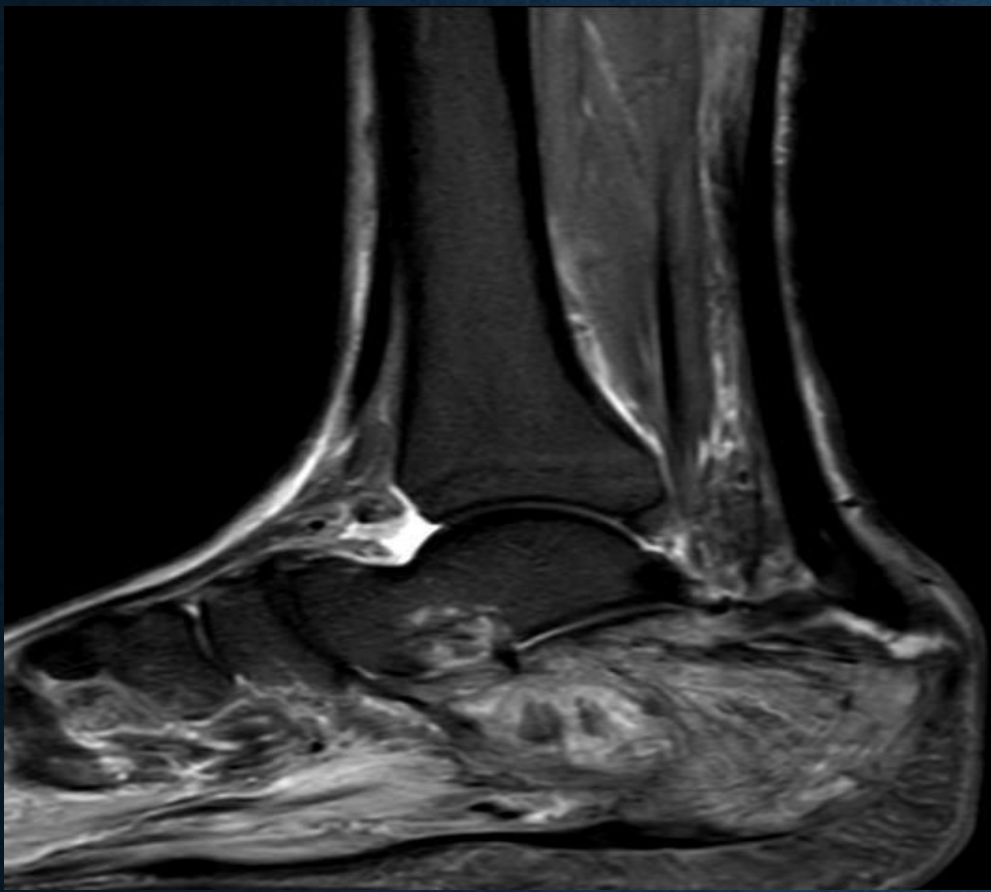


DIAGNOSIS?



**65/ MALE WITH HISTORY OF
RIGHT ANKLE PAIN FOR 2
YEARS.
NO TRAUMA.**

- Coarsened trabeculae with thickened cortices and rarefaction of bone.
- Fracture of antero superior calcaneum at the site of achilles insertion.



- The calcaneum is diffusely enlarged with coarsened trabeculae and cortical thickening and heterogeneous appearance- showing **multiple areas of preserved fatty marrow** with interspersed areas of T1/T2 intermediate to dark areas representing sclerosis.
- Fracture line (**BANANA fracture**) extending from the antero-superior margin of the calcaneum to the posterior cortex with fluid tracking along the disrupted margins.

MONO OSTOTIC PAGET'S OF CALCANEUM



- **In early stages (osteolytic phase)**- radiolucent osteolysis is manifested as a characteristic metaphyseal to diaphyseal wedge-shaped area of radiolucency that assumes the configuration of a **flame or blade of grass**
- In the **intermediate phase**, all four cardinal features of the disease comprising advancing osteolysis, coarsening and thickening of bone trabeculae along the lines of stress, cortical thickening, and osseous widening.
- **In the cool or sclerotic phase**, an increase of bone density occurs with enlargement and widening of the bone and cortical thickening, so that a demarcation between cortex and cancellous bone becomes difficult.
- **Banana fractures are common.**

POINTERS TOWARDS PAGET'S

- CORTICAL THICKENING AND COARSENEED TRABECULAE.
- PRESERVED T1 FATTY MARROW.
- INCREASED UPTAKE IN BONE SCINTIGRAPHY.