

A Rare Presentation of Bilateral Tibial Plateau Fractures from an Intraosseous Gouty Tophus

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INTRODUCTION:

Intraosseous gouty tophus as the cause of pathological fracture is a rare encountered condition. We encountered a case of bilateral tibial plateau fracture with an intraosseous gouty tophus. It is unique in the literature due to its location as majority of the reported intraosseous gouty related fracture occurs at the patella

REPORT:

A 59 years old lady with underlying history of gouty arthritis was presented to the emergency department with the presentation of acute bilateral knee pain after a trivial fall from the chair with direct trauma to both knees. At clinical evaluation, patient was unable to stand and physical examination showed erythema with tenderness over the bilateral knee. Blood parameters showed no significant alteration that suggestive of infection or malignancy. Uric acid level was greatly elevated. Both knee x-rays and CT scan of bilateral knee shows a lateral tibial plateau fracture [Schatzker II] with the presence of a lytic bone lesion. We offered operative

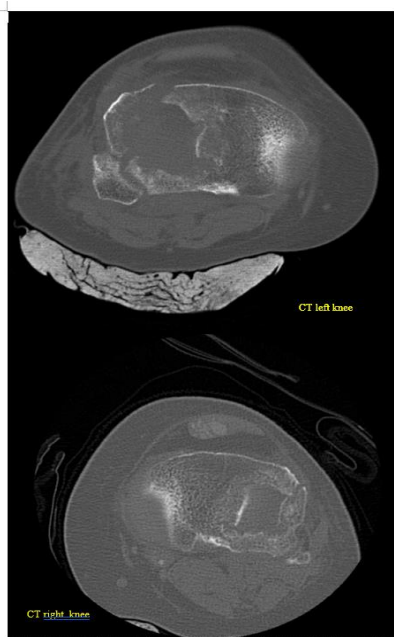


Figure 1 : CT of bilateral knee

fixations for the both knee with the use of

proximal lateral tibial locking plate. Intraoperatively, tophi material was found over the joint capsule and articular surface. Postoperatively, patient was well and started on crutches ambulation

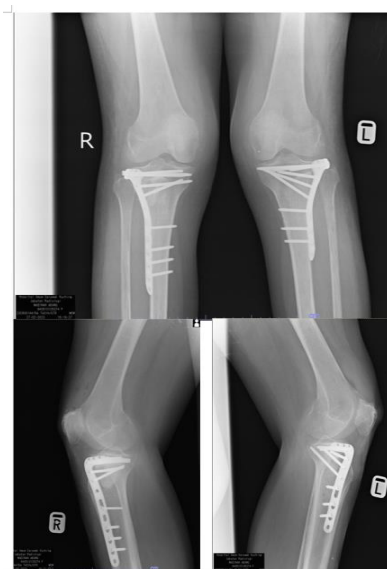


Figure 2 : Postoperative knee xray

CONCLUSION:

There is evidence to suggest that gout as a disease entity increases the risk of fracture in a general context. Hence, management of the case should be multidisciplinary, involving the treatment of the fracture and the gout control

REFERENCES:

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