# PROXIMAL TIBIOFIBULAR JOINT DISLOCATION WITH LATERAL COLLATERAL LIGAMENT AVULSION FRACTURE

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## **INTRODUCTION:**

Proximal tibiofibular joint dislocation (PTFD) is a rare injury which typically due to high energy trauma<sup>1</sup>. Often, it is associated with open fracture of the shaft of tibia, vascular and peroneal nerve injury<sup>3</sup>. We are sharing our encounter of PTFD that is associated with multi-ligamentous injury.

# **REPORT:**

24-year-old gentleman presented to us with pain over the hip and knee region following road traffic accident. Initial assessment and x-rays show right hip posterior dislocation with ipsilateral widening of the proximal tibiofibular joint, avulsion of the lateral collateral ligament (LCL) and open fracture over the midshaft fibula, Gustilo Anderson Grade I. CT Angiogram of the right lower limb shows patent lower limb artery. We proceeded with the reduction of hip and debridement of the open fracture fibula. Open reduction and screw fixation of the PFTD was done with screw placed anterior and proximal to the common peroneal nerve over the fibula head. Second stage surgery was done to address the avulsion of the lateral collateral ligament with anchor suture. Post repair, we noted that patient have grade 1 ACL laxity and torn popliteal fibular ligament.



Figure 1: Posterolateral dislocation of proximal tibiofibular





Figure 2: Reduced proximal tibiofibular joint with comparison of contralateral knee.

## **CONCLUSION:**

Proximal tibiofibular dislocation is an injury that should not be missed in major limb injuries. Clinical suspicion and radiograph are crucial. If there are diagnostic doubt CT scan or MRI is obtained.

#### **REFERENCES:**

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