

A RARE PRESENTATION OF IRREDUCIBLE SUBTALAR DISLOCATION

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INTRODUCTION:

Acute subtalar or talotarsal dislocations are rare entities in traumatology as they affect 1% - 1.5% of all leg trauma cases and 1% of all types of acute traumatic dislocations. Isolated dislocations are uncommon and usually result of high energy trauma. Open dislocations occur in this type of trauma (3.7% - 57%)

CASE REPORT:

Mr Z.M.Z, a 37 year old gentleman had an alleged motor-vehicle accident on august 2018, sustained 1) Open subluxation of right subtalar joint 2) open fracture base of 5th metatarsal bone 3) Closed chip fracture of right navicular bone and underwent wound debridement, wound exploration arthrotomy joint washout of right ankle, K-wire insertion of right talonavicular joint, Essex Lopresti manouvre with Shanz pin insertion at right subtalar joint. Intraoperative shows subtalar joint was unstable and reduction manouvre with fixation was done under image intensifier with acceptable reduction. Intraoperative and postoperative no complication. Patient was followed up for 3 months with partial weight bearing and physiotherapy.



DISCUSSIONS:

Irreducible subtalar dislocations have been reported around 10% in medial dislocation and 15-32% in lateral dislocation. To manually reduced it, the knee must be flexed and longitudinal traction in axis of the leg on the foot must be performed. Then ankle is dorsiflexed with eversion in case of medial dislocation and inversion in case of lateral dislocation opposite the deformation. Digital pressure on the talar head will help ease the reduction during foot traction. In case where open reduction is required, then dorsal approach over talar head is recommended. If subtalar joint stable, there's no need for osteosynthesis. Temporary fixation with Kirshner wires at talonavicular can be used to provide stability after reduction.

CONCLUSION:

Acute subtalar dislocation is a rare traumatic case and even though close manual reduction is proven to reduce the dislocation; open reduction is indicated in certain case of irreducible dislocation injury.

REFERENCES:

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