

## Medial Subtalar Dislocation- The Acquired Clubfoot

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### INTRODUCTION:

Medial subtalar dislocation, also called the acquired clubfoot, is the commonest type of subtalar dislocation(1). It is usually associated with fractures of other foot bones. In general, subtalar dislocation is an uncommon dislocation in all dislocations(2), therefore it may be missed during diagnosis by inexperienced medical officers, especially when the dislocation is subtle and associated with other fractures.

### REPORT:

A 25-year-old healthy gentleman, was presented to Emergency Department following motorcycle accident. He was trying to avoid a dog crossing the road. He anchored both his feet on the ground to immediately stopped his bike. Subsequently, he cannot ambulate due to severe bilateral feet and right ankle pain.

On examination, the primary survey done was uneventful. On local examination of both lower limbs, both hindfoot were swollen but soft tissues were not compromised. He cannot evert the right foot and cannot extend his right big toe. There was no wound over the lower limbs, and his neurovascular examinations were intact. The plain radiograph showed bilateral calcaneal fractures with right medial subtalar dislocation. However, the diagnosis of subtalar dislocation was only made after seen by the Orthopaedic team. The subtalar dislocation was successfully reduced under close manual reduction (CMR).

He was planned for CT bilateral calcaneum for further management, unfortunately he defaulted the imaging and subsequent follow up.



Figure 1: Pre CMR ankle X-rays



Figure 2: Post-CMR ankle X-rays

### CONCLUSION:

Subtalar dislocation is rare, hence prone to be forgotten. Medial subtalar dislocation is manifested with clubfoot appearance, whereby the foot is in plantarflexion and inversion due to distortive trauma whereby there is forceful inversion and plantarflexion during the trauma(1). Early reduction is a must to avoid further neurovascular and soft tissue damage.

### REFERENCES:

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2. Sharma S, Patel S, Dhillon MS. Subtalar Dislocations. *J Am Acad Orthop Surg Glob Res Rev.* 2021;5(12).