

# A CASE OF CLOSE COMPLETE TALUS DISLOCATION WITHOUT FRACTURE

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## INTRODUCTION:

Total dislocation of talus is a rare occurrence especially in the absence of associated fracture either malleoli or talus. This condition usually preceded by high energy trauma with either from excessive supination or excessive pronation<sup>1</sup>.

## REPORT:

A 19 years old, young man involved in motor vehicle accident sustained pain and deformity over left ankle. His left lower limb was externally rotated and foot appeared swollen but the compartment is soft. Otherwise neurovascular examination intact. Plain radiograph was taken showing complete talus dislocation. Urgent Ct ankle showing no fracture seen in foot and ankle region. Close manipulative reduction was performed but unsuccessful. He underwent open reduction, and noted talus was displaced posterior and laterally. After reduction talus was unstable thus fixed with K-wire and external fixator.

## RESULTS:



↑Pre-operative x-ray



↑Post-operative x-ray

## DISCUSSIONS:

Complete total dislocation without fracture is a rare injury. Reducing tibiotalar joint is a key for reduction, and other joints (subtalar and talonavicular) will spontaneously reduce<sup>2</sup>. The bone vascularization is predicted to be impaired which will lead to avascular necrosis. Other predicted complications are restricted movement of ankle joint and osteoarthritis<sup>3</sup>.

## CONCLUSION:

Complete total dislocation is a rare injury and open reduction is required after failure of close manipulative reduction.

## REFERENCES:

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3. Schiffer G, Jubel A, Elsner A, Andermahr J: Complete talar dislocation without late - osteonecrosis: clinical case and anatomic study. Foot Ankle Surg. 2007, 46 (2): 120-3. 10.1053/j.jfas.2006.11.004.