

Intramedullary Screw Band Fixation for Olecranon Fracture: A Case Report

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INTRODUCTION:

Approximately 10% of adult upper extremity fractures are olecranon fractures, which are common injuries.(1) The two main techniques usually employed to treat olecranon fractures are tension-band wiring or plate fixation.(1)

REPORT:

A 36 years old man claimed to have been assaulted and he sustained open fracture left olecranon.

Upon examination, he had laceration wound over left elbow. Otherwise, neurovascular examination was normal and he had no other injuries. He was then put on left above elbow backslab prior to surgery. Left elbow xrays showed simple olecranon fracture.

He underwent intramedullary screw band fixation over left elbow. Partially threaded cancellous screw 6.5 mm with cerclage wire size 1.0 mm were used. Intraoperatively noted small fragment olecranon fracture and fixed with mini plate screw size 2.0mm.



Figure 1: Pre operative xrays

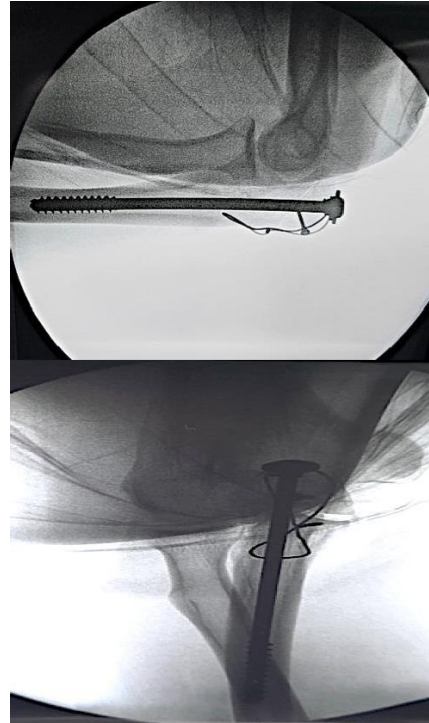


Figure 2: Post fixation xrays

CONCLUSION:

Intramedullary screw band fixation is a feasible way to fix simple olecranon fracture. It is also a safe and easy fixation leading to excellent outcome.

REFERENCES:

1. Wiegand, L., Bernstein, J. & Ahn, J. 2012. Fractures in brief: olecranon fractures. *Clinical Orthopaedics and Related Research*® 470(12): 3637-3641.