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**Original article**

**A study of functional outcome in surgically managed cases of displaced intraarticular fractures of calcaneous**

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**Abstract:**

Background: Fractures of calcaneus (os calcis) are the most common of tarsal bone fractures with an overall incidence of approximately 2%.

Aims & Objectives: Aim of this study was to study the results of operative treatment of displaced intraarticular fractures of calcaneus with respect to Pain & Functional outcome of the patients

**Materials & Methods:** This is a prospective study of 20 patients treated for displaced intraarticular fractures of calcaneus in Govt Medical College Akola from January 2011 to December 2012.ESSEX-LOPRESTI classification was used. Significance of Böhler's angle was also studied. The results were clinically assessed by AOFAS scale (American Orthopaedic Foot and Ankle Society) for ankle and hind foot.

**Results:** Excellent to Good result in 11 patients (55%) and Fair to Bad result in 09 patients (45%).

**Conclusions:** Multiple surgical approaches are available for treatment of calcaneal fractures, ranging from minimally invasive percutaneous fixation to extensive open techniques. The functional outcome is related to the accuracy of the sub-talar joint reduction, the restoration of normal heel morphology, and restoration of Böhler's angle to as near normal as possible. Timing of surgery for ORIF is when ‘wrinkle sign’ positive is very critical and important. The implementation of meticulous intra-operative techniques and postoperative measures to decrease swelling.

**Keywords:** Displaced intraarticular fractures of calcaneus, ESSEX-LOPRESTI classification, AOFAS Scale, Böhler's angle.