

**RETROSPECTIVE ANALYSIS OF TREATMENT OF  
MANDIBULAR ANGLE FRACTURE USING  
DIFFERENT KINDS OF MINIPLATES**

by

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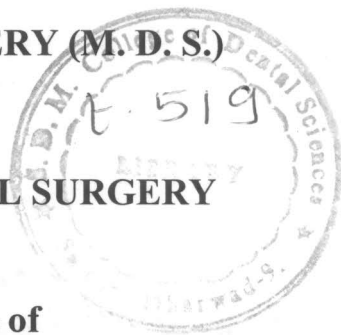
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## ABSTRACT

**Purpose:** The aim of this study was to retrospectively analyze the use of different kinds of miniplates in the treatment of mandibular angle fractures.

**Method:** A total of 50 patients who were treated for mandibular angle fracture in Department of Oral and maxillofacial surgery in S.D.M. College of Dental Sciences, Dharwad were included in this study. They were assessed for the severity of the fracture based on its displacement, the type of miniplate used, the duration of surgery and the complications noticed. All the cases were followed up for a period of six months.

**Results:** It was noticed that there was a significant relation between the severity of fracture and the type of plate used ( $p = 0.0171$ ). There was also a significant relation between the severity of fracture and the post operative radiographic lower border discontinuity ( $p = 0.0409$ ) but there was no significant relation between the type of plate used and post operative complications like plate exposure ( $p=0.6075$ ), post operative radiographic lower border discontinuity ( $p=0.8295$ ) and paraesthesia ( $p=0.4264$ )

**Conclusion:** It was noticed that there was a significant relation between the overall complications and the severity of fracture, but no relation with the type of plate used.

**Key words:** mandibular angle fracture, severity of fracture, lower border discontinuity.