

Original Paper

Surgical treatment in middle third of clavicle fracture with superior reconstruction plating

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Abstract

Background and Objective: Four percent of fractures were happened in clavicle bone. This study was done to evaluate the outcomes of superior reconstruction plating method in middle third of clavicle fracture.

Materials and Methods: This descriptive study was carried out on 31 patients with middle third of clavicle fracture in Tehran-Iran, during 2009-12. The patients were treated surgically with superior reconstruction plating method. The treatment outcomes were determined by regular follow up in constant shoulder score, duration of union and complications of surgery.

Results: The mean value of constant shoulder score was 87.6 which are reduced by chronological age. Non union rate and infection occurred in 3.2% and 6.5% of subjects. Duration of union and pre-scapular pain is increased by chronological age.

Conclusion: Superior reconstruction plating method is recommended for middle third of clavicle fractures due to low complication, high constant shoulder score and lower treatment cost.

Keywords: Clavicle fracture, Superior reconstruction plating, Constant shoulder score, Duration of union

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