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 chronical 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 chronic 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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