

عنوان مقاله:

Comparison of the results of surgical and non-surgical treatments in intra-articular fractures of calcaneus

محل انتشار:

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خلاصه مقاله:

Introduction Calcaneal fractures include about 2% of all fractures and also they are the most common fracture in the tarsal region. The present study was designed and evaluated to determine the consequences of surgical and non-surgical treatments in adult patients with Calcaneal fractures. **Materials and Methods** This clinical trial study was carried out to assess the surgical and non-surgical methods in patients with intra-articular fractures of calcaneus referred to educational centers of Mazandaran University of Medical Sciences. Satisfaction rate based on VAS criteria, and pain and function and organ alignment were evaluated by AOFAS. **Results** 63 patients were studied. 26 patients (41.3%) were in the open surgical group and 37 patients (58.7%) were in the non-surgical group. The mechanism of damage in 8.2% patients (4 patients) was caused by low energy trauma (LET). In 81.7% of patients (49 patients) with high-grade trauma (HET) was caused by height fall, and in 11.7% of patients (7 patients), high-energy trauma was caused by non-falling from height. The average score of AOFAS (from 0 to 100) was 76.35 ± 17.19 (at least 22 and a maximum of 100). There was no significant difference between the mean scores in the two treatment groups. **Conclusion** This study showed that non-surgical in Comparison with surgical methods in patients with calcaneus fracture in grade 4 & 3, That is Patients' satisfaction don't have any effect on the duration of treatment and improvement, and it is possible to choose non-surgical treatment with regard to this and more complications of surgery.

کلمات کلیدی:

Surgical, non-surgical, intracranial cleanea fractures

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