

عنوان مقاله:

A Simple and Light Weight External Fixator for Distraction Advancement Manoplasty

محل انتشار:

مجله تروما, دوره 17, شماره 3 (سال: 1391)

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خلاصه مقاله:

Background: With the growing interest in long bone distraction several types of distractors have been introduced; all have the same principle of an outer structure which acts like a scaffold and the distracting mechanism is a separate device which is mounted on this outer structure. Objectives: We have used a simple and very light weight external fixator we designed and discuss the results of distraction and advantages of this device . Materials and Methods: We applied our distractor to treat ۱۴ men and four women, with a mean age of ۳۹ years. There were three thumbs and ۲۳ fingers; ۲۶ digits (۱۸ patients) lengthened by distraction callotasis and second stage bone grafting evaluated accordingly. Results: All patients but one were satisfied with the results and a stable pinch and grip was obtained. After lengthening, all patients maintained sensation of the finger pulp, as assessed by the Semes - Weinstein test. Conclusions: The superiority of this device for manoplasty lies in its simplicity of construction in addition to being, lightweight and also eases of application.

کلمات کلیدی:

External Fixators, Osteogenesis, Distraction

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