

عنوان مقاله:

The use of ultrasonography for the confirmation of pulled elbow treatment

محل انتشار:

مجله اورژانس و تروما، دوره 4، شماره 1 (سال: 1397)

تعداد صفحات اصل مقاله: 5

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خلاصه مقاله:

Objective: The aim of this study was to use ultrasonography for the diagnosis and confirmation of Pulled Elbow treatment. **Methods:** This descriptive cross-sectional study initiated in ۲۰۱۴ and continued until ۲۰۱۵. We used simple sampling method and recruited ۶۰ samples among patients aged ۴ months to ۶ years. The apparatus used in this study was an ultrasonogram with transducer ۱۲ MHz probe. Ultrasound evaluation of both hands was undertaken and after reduction, the physical examination was performed to confirm the diagnosis made by ultrasonography. Then, the results were recorded by a physician in a checklist and entered into SPSS software (version ۲۰) for further analysis. **Results:** In this study, ۶۰ children with pulled elbow injuries were studied. Of these, ۲۷ patients (۴۵%) were girls (female) and ۳۳ (۵۵%) were boys (male). This indicates the higher incidence of injury among males than females. The highest incidence of pulled elbow injury was observed in children aged ۳ (۱۵%). The accuracy of ultrasonography method for the confirmation of treatment was reported to be ۹۲%. **Conclusion:** This study aimed to confirm the considered therapeutic method based on the result of ultrasonography performed after the treatment. Accordingly, the sensitivity and specificity of ultrasonography in confirming the considered therapeutic method for the treatment of pulled elbow was obtained higher than ۹۰%.

کلمات کلیدی:

Ultrasonography, X-ray, Pulled elbow injury

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