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A comparison of results of three methods of tendon transfer for radial nerve paralysis

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The present study was a retrospective one, designed to compare three methods of tendon transfer for radial nerve palsy, commonly performed in our institutions. 41 patients with irreversible radial nerve paralysis, who had undergone three different types of tendon transfers (using different tendons for transfer) between March 2005 to September 2009 entered the study. At the final examination, related ranges of motions were recorded and the patients were asked about their overall satisfaction with the operation, their ability and time of return to their previous jobs and in addition DASH Score was measured and recorded for each patient. The difference between the groups with regard to DASH score, ability and time of return to job, satisfaction with the operation and range of motions was not statistically significant ($p > 0.05$). All of the patients had experienced functional improvement and overall satisfaction rate was 95%. No complication directly attributable to the operation was noted, except for proximal interphalangeal joint flexion contracture in 3 patients of one of the groups. Based upon the findings of the present study, tendon transfer for irreversible radial nerve palsy is very successful and probably the success is not related to the tendon transferred.

Biography

Alireza Saied is an Orthopedic Surgeon, hand surgery fellow, Assistant Professor of Orthopedics and Traumatology at Dr. Bafonar Hospital, Kerman University of Medical Sciences, Kerman, Iran. He has published more than 30 articles in different aspects of orthopedics.

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