

ABSTRACT

Title: Case of Study of Physiotherapy Care of Patient after radial head replacement

Objectives: The main objective of this Bachelor's thesis is to summarize the knowledge and studies related to the issue of elbow injuries, in particular radial head fracture, to summarize the comprehensive rehabilitation following this injury and to use this knowledge for preparing a case report on a patient with this injury.

Methods: The general part of the thesis provides a summary of the anatomy, biomechanics, theoretical knowledge about elbow injuries and total elbow replacement. The special part of the thesis provides the case report of a female with radial head replacement, which was prepared in the Centrum léčby pohybového aparátu during the period from January 6, 2014 to January 31, 2014, under the supervision of the physiotherapist Mgr. Jakub Hoskovec. The thesis further includes the baseline and final kinesiological analysis, describes the individual therapeutic sessions, and evaluates the effects of therapy and the respective physiotherapy techniques.

Results: The objectives set at the beginning of therapy have been successfully met. The treatment resulted in reduced swelling and pain in the right upper limb, especially in the elbow joint, increased range of motion of the right elbow and forearm, strengthening of weak muscles, lengthening of shortened muscles, and elimination of hypertonia.

Key Words: elbow joint, radius, total replacement of the radial head, physiotherapy, case report