

Abstract

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Title: Case Study of Physiotherapy Treatment of Patient after total hip arthroplasty

Objectives: The aim of this thesis is a case study of physiotherapeutic care of a patient after total hip arthroplasty, evaluation of the effect of therapy and theoretical treatment of this diagnosis.

Methods: The bachelor thesis consists of a general part, which uses the literature to discuss the topic of total hip arthroplasty, and a special part, which contains a case report of a patient with this diagnosis. The special part includes a comprehensive initial kinesiological examination, description of the individual therapeutic units, an output kinesiological examination and an evaluation of the effect of therapy.

Results: The final kinesiological examination confirmed that the therapies had a positive effect on the patient's health. The greatest improvement is seen in the increase in muscle strength in the right hip joint and the increase in range of motion. Another improvement is the reduction of swelling and the effect on the shortened muscles. These results prove that the therapies were effective.

Conclusion: During the rehabilitation program, which lasted two weeks, the patient attended a total of eight therapies. At the end, an outcome kinesiological analysis was performed, demonstrating an overall improvement in the patient's clinical condition after total hip arthroplasty implantation.

Key words: total hip replacement, hip joint, lower limb, case report, physiotherapy