

Abstract

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Title: Case report of physiotherapeutic care of a patient after total hip replacement

Objectives: Processing of patient data after total hip replacement, description of general information on hip joint, comparison of operative and therapeutic methods

Methods: The thesis consists of two parts. The first is the general part which describes the anatomy, kinesiology and biomechanics of the hip joint, the coxarthrosis and its treatment, the surgical approaches for total hip replacement, and the comparison of therapeutic methods relating to specific problems arising after surgery. The special part contains an initial kinesiological examination, 8 therapeutic units (which took place on 10-21 January 2025 in CLPA, s.r.o.), output kinesiological examination and evaluation of the effect of therapy.

Results: The therapy has succeeded in increasing the range of motion in the operated hip joint, increasing the muscle strength of weakened muscle groups, improving control over the movement of the operated lower limb, correcting the walking stereotype, and educating the patient on further rehabilitation procedures.

Conclusion: After 2 weeks of working with the patient, he has made a great progress, despite the occurrence of minor complications in the form of persistent swelling etc., I would consider the therapy as successful.

Keywords: hip joint, coxarthrosis, total hip replacement, total hip arthroplasty, case report, physiotherapy