

Abstract

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Title: Case study of physiotherapeutic treatment of a patient with diagnosis of total hip replacement

Objectives: The aim of this work is to process theoretical knowledge regarding osteoarthritis of the hip joint, total hip arthroplasty (THA), postoperative rehabilitation, and documenting the course of care for patient diagnosed with coxarthrosis.

Methods: The thesis includes a case study of physiotherapeutic care for a patient after total hip arthroplasty, which was conducted during continuous practice at the Malvazinky Rehabilitation Clinic (RKM) from January 15, 2024, to February 9, 2024. In total, 8 therapeutic sessions were conducted with the patient, including initial and final kinesiological assessments and subsequent therapy. The general part of this thesis contains theoretical knowledge related to coxarthrosis, its prevention, diagnosis, and physiotherapy

Results: Throughout the therapies, there was an improvement in the patient's physical condition. The muscle strength of the left hip joint in abduction and extension increased, and there was an increase in the range of motion in the hip joint in abduction, flexion, and extension by an average of 5°. The condition of soft tissues improved, and we also succeeded in improving the walking pattern.

Key words: Osteoarthritis, coxarthrosis, total hip arthroplasty (THA), physiotherapy, hip joint