

Abstract

Title: Case study of physiotherapy treatment of a patient with diagnosis total hip arthroplasty

Objectives: The main goal of the theoretical part of this bachelor's thesis is to acquire the latest knowledge about hip joint arthroplasty. The practical part includes a case study of a patient after total hip replacement, including initial examination, plan and implementation of therapy, final examination, and evaluation of the therapy's effectiveness.

Methods: The content of this work is divided into theoretical and practical parts. In the theoretical part, I focus on knowledge about hip arthroplasty. Specifically, you can find technical information here, difference between surgical approaches, common diagnoses, insights into rehabilitation, as well as the latest trends and utilization of technologies. The practical part includes case report of a patient after total hip arthroplasty, covering initial kinesiological examination, daily records of therapeutic units, final kinesiological examination, and evaluation of therapy effectiveness.

Results: During the almost two-week hospitalization at the rehabilitation department of Vršovice Hospital, the patient experienced both subjective and objective improvements, including a decrease in pain and swelling, an increase in range of motion, as well as muscle strength.

Keywords: total arthroplasty, hip joint, rehabilitation, physiotherapy, case report