

Abstract

Title: The case study of a physiotherapeutic treatment of a patient with total hip arthroplasty.

Aim: The aim of this thesis is to elaborate theoretical and practical knowledge of the diagnosis and their application while processing the case study of a patient after total hip replacement.

Methods: The bachelor thesis is divided into a general and a special part. The general part is focused on the total hip replacement issue. I describe the anatomy and kinesiology of hip joint, coxarthrosis and arthroplasty of a hip joint, including the rehabilitation. The special part contains the case study of a patient after total hip replacement, including input and output kinesiology analysis, goal of the therapy, a short-term and a long-term therapy plan, therapy units and evaluation of therapy effect. The case study was processed during my internship in the Military University Hospital in Prague at the Department of Physical Medicine and Rehabilitation in the period from 22th of January to 2nd of February 2015.

Results: We managed to reach the aim. Patient's physical condition was increased, weakend muscles were strengthened, hypertonic muscles relaxed, shortend muscles stretched, there was an improvement in walking stereotype and release of tension of soft tissue in left lower limb.

Key words: hip joint, coxarthrosis, total hip replacement, physiotherapy, case study