

Abstract

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Title: Case study of physiotherapeutic treatment of patient with an ankylosing spondylitis and after total hip replacement

Objectives: The aim of this bachelor thesis is to elaborate the topic of hip joint replacement and ankylosing spondylitis in the form of a case study of a patient and at the same time to present this issue in a theoretical form

Methods: The case report of the patient was elaborated during the concurrent professional practice at the Institute of Rheumatology in Prague, during the 3rd year of the bachelor's degree in physiotherapy at Charles University, Faculty of Physiotherapy. For the preparation of the case study, a detailed history of the patient was first taken and an initial examination was performed. This was followed by 9 therapeutic units spread over 2 weeks, at the end of which a complete exit examination was performed to the same extent as the entrance examination. Data from the initial and outcome examinations were then compared to assess the effect of therapy. The theoretical knowledge related to the patient's case was described in the theoretical part of the thesis. All the knowledge about the methods and procedures used in the practical and theoretical part was acquired during my bachelor studies and from the literature.

Results: Based on the comparison of the initial and outcome examinations, it can be said that the goals of the short-term therapeutic plan were met. In particular, the patient experienced improved range of motion and muscle strength in the operated right hip joint, reduction of swelling, increased soft tissue mobility and partial resolution of muscle imbalances.

Keywords: physiotherapy, hip joint, rehabilitation, case report, ankylosing spondylitis, total hip replacement