

## **Abstract**

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**Title:** The case study of a physiotherapeutic treatment of a patient after total hip replacement

**Objectives:** The objectives of this bachelor's thesis is to provide theoretical framework, to assess problematics of implantation of total hip arthroplasty and to introduce case study of a patient after total hip replacement and its subsequent rehabilitation care.

**Summary:** The thesis is divided into two parts – general and specialized. General part provides conceptual framework and builds on existing literature of anatomy, kinesiology and biomechanics of the hip joint. It further informs about the most common diseases affecting the joint and analyzes problematics of total hip replacement for coxarthrosis. It serves as theoretical framework for second part. The specialized part contains a case study of a patient after total hip replacement and following rehabilitation care. During this case study, the author solely used noninvasive methods and approaches, which had been acquired during bachelor's studies at The Faculty of Physical Education and Sport, Charles University. The concluding remarks of the bachelor's thesis include evaluation of the therapy results and effectiveness of each of the therapeutical approaches.

**Key words:** hip joint, total endoprosthesis, osteoarthrosis, rehabilitation