

Abstract

Title: The case study of physiotherapeutic treatment of a patient with total knee replacement diagnosis

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Objectives: The main purpose of my bachelor thesis is to process a case study of physiotherapeutic treatment of a patient after a total knee replacement of the right knee joint. Part of the thesis is a complex theoretical introduction to the topic.

Methods: This bachelor thesis is divided into 2 parts– a general part and a special part. The general part contains processed information concerning the anatomy, kinesiology and biomechanics of the knee joint. It also includes a chapter about gonarthrosis, which is the most common indication for the total knee replacement, its etiopathogenesis and options of treatment. In the end the general part describes the total knee replacement, its history, operative procedures and subsequent rehabilitation. In the special part of the thesis there is a listed the case study of a specific patient after the total knee replacement and a record of the therapeutic units within the related professional practise in the rehabilitation hospital in Beroun in a period from 18. 1. to 12. 2. 2021.

Results: Physiotherapeutic treatment has shown improvement in the patient's clinical condition in almost all measured criteria.

Keywords: knee joint, total knee replacement, gonarthrosis, osteoarthrosis, physical therapy