

Abstract

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Title: The case study of physiotherapy treatment of a patient after total knee replacement.

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Objectives: The main aim of this bachelor thesis is processing a casuistry of one patient after total knee replacement during the bachelor's practice. The case study is based on the theoretical information described in the first part of this thesis.

Methods: The bachelor thesis consists of two parts – theoretical part and special part. The theoretical part contains an anatomical description of the knee joint and its kinesiology. It also covers the issue of knee osteoarthritis and information about total knee replacement with following physiotherapy. The special part introduces the case study after total knee replacement and includes a detailed plan of therapies performed in Rehabilitation hospital in Beroun.

Results: The main improvement was in the range of motion of the knee, reduction of the swelling and bruising, increased muscle strength and restoration of the joint play of blocked joints.

Keywords: knee joint, total joint replacement, osteoarthritis, physiotherapy