

Abstract

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Title: A case study of physiotherapeutic treatment of a patient diagnosed with TEP of the knee joint

Objectives: The aim of this bachelor thesis is to elaborate the theoretical background related to the diagnosis of TEP of the knee joint. The special part of the bachelor thesis is prepared in order to keep a case report of a patient after knee TEP implantation and to record the effects of selected physiotherapy care procedures.

Methods: This bachelor thesis consists of theoretical and special part. The theoretical part deals with a literature search to understand the structure and function of the knee joint from the perspective of anatomy, kinesiology and biomechanics. The thesis also describes the problem of osteoarthritis and its therapeutic interventions, types of total knee arthroplasty and the surgical procedure for its implantation. The theoretical part in its conclusion focuses on the possibilities of solving the subsequent rehabilitation after knee joint TEP implantation. The special section includes the initial and outcome kinesiological examination, goals of therapeutic care and a thorough record of therapeutic units. Data for the development of the special section were collected in the Rehabilitační klinika Malvazinky.

Results: The use of selected physiotherapeutic procedures led to an improvement in the clinical condition of the patient in most of the examined aspects.

Conclusions: By elaborating the theoretical basis for understanding the diagnosis of TEP of the knee joint and recording the effect of the physiotherapeutic procedures used, the aims of the bachelor thesis are fulfilled.

Key words: knee joint, osteoarthritis, gonarthrosis, total knee arthroplasty, TEP, physiotherapy