

Abstract

Title: Case report of a patient of physiotherapeutic care after total endoprosthesis of the right knee joint

Objectives: The aim of the bachelor thesis is to process theoretical knowledge of anatomy and kinesiology of the knee joint, total endoprostheses of this joint and rehabilitation procedures after TEP implantation. The aim of the special part is a case report of a patient diagnosed with st.p. total endoprosthesis of the right knee joint with practical rehabilitation and evaluation of its effect.

Methods: The general part is the processing of research on the topic of TEP of the knee joint. The special part is processed in the form of a patient's case report and consists of an initial kinesiological analysis with the determination of a short-term and long-term physiotherapy plan, eight therapeutic units and an output kinesiological analysis. In the end, there is an evaluation of the effect of therapy. The case report was prepared in the medical facility Vršovická zdravotní a.s. during continuous professional practice in the period 13.1. - 9.2.2022.

Results: During physiotherapeutic rehabilitation, the patient's range of motion in the operated joint increased to both flexion and extension. The swelling and pain of the operated limb were alleviated. The muscular strength of postoperatively weakened muscle groups increased.

Keywords: knee joint, total knee replacement, physiotherapy, case study, gonarthrosis