

## **Abstract**

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

**Objective:** The objective of this thesis is processing of the case study of the physiotherapeutic care of a patient with total knee replacement diagnosis during an internship at ORFM department at ÚVN hospital. Comprehensive theoretical introduction to this subject is also a part of this thesis.

**Summary:** This thesis is divided into two parts. The first part consists of the theoretical knowledge of the anatomy, kinesiology and biomechanics of the knee joint. Following is the gonarthrosis chapter as the most common indication for the total knee replacement, its etiology and choices of treatment. At last to present is total knee replacement, its history, surgical procedure and following postoperative rehabilitation. Second part is a case study of the real patient with total knee replacement diagnosis lasting 8 therapeutic units. In the end of the study is comparison of the patient's condition before and after rehabilitation and evaluation of the effect.

**Key words:** knee joint, total knee replacement, gonarthrosis, physical therapy, case study