

## **Abstract**

**Title:** Case report on physiotherapeutic care of a patient with total left knee replacement on the left side caused by the gonarthrosis.

**Summary:** This thesis focuses on case report of a patient after total left knee replacement. The work contains two parts – the general part and the specialized part.

The general part deals with structure, kinesiology and biomechanics of the knee joint, general definition of gonarthrosis, its cause, clinical symptoms and its treatment. It also describes the gonarthrosis, indications and the types of total knee replacement prosthesis. The most important topics of the general part contain descriptions of therapeutic methods and procedures, focused on improving patient's health in the post-operation phase.

The specialized part constitutes the main part of this thesis. It is processed via case report form and describes the physiotherapeutic treatment of a specific patient, who underwent a total knee replacement surgery. In the conclusion of the specialized part of the thesis, I evaluate the effects of the therapy.

**Key words:** knee joint, total knee replacement, gonarthrosis, rehabilitation

**Diagnosis:** St.p. total left knee replacement caused by gonarthrosis

