

## **Abstract**

**Title:** Case study of Physiotherapeutic Treatment of a Patient with Total Knee Replacement.

**Summary:** The aim of this bachelor thesis is to present a complex overview of the topic of total knee replacement. The theoretical part covers the anatomy and the kinesiology of the knee joint, gonarthrosis, types of knee replacements, surgical therapy and subsequent rehabilitation treatment. The practical part contains case study of a patient with total knee replacement which comprises entry kinesiological analysis, short-term and long-term therapeutical plan, daily therapy records, final kinesiological analysis and conclusive evaluation of the therapy effect. The results of the physiotherapeutical treatment are greater range of flexion and extension in the subject knee, muscle strengthening in the area and overall improvement of clinical status of the patient.

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