

Abstract

This bachelor's thesis is focused on the surgical treatment of gonarthrosis and the associated possibilities of replacing a damaged knee joint with a total endoprosthesis - TEP. The general part describes the anatomical structures and biomechanical properties of the knee joint, the causes of gonarthrosis and the possibilities of its solution. Furthermore, the general part focuses on the possibility of surgical treatment of gonarthrosis and subsequent rehabilitation. The special part contains a detailed case report of the patient after the implementation of TEP of the knee joint, initial kinesiological examination, the course of individual therapeutic units, output kinesiological analysis and subsequent evaluation of the effect of the selected therapy. All physiotherapeutic procedures and methods are based on professional publications and approved procedures.

Keys words: total endoprosthesis, knee-joint, physiotherapy, case study, kinesiological analysis