

Abstract

Autor: Barbora Kozáková

Supervisor: PhDr. Lenka Žáková, PhD

Title: A case study of physiotherapeutic care of patient after total knee replacement

Objectives: The aim of this bachelor's thesis was to provide theoretical summary of knowledge regarding the knee joint, gonarthrosis and total knee arthroplasty. The practical part focuses on a case study of physiotherapeutic care provided to a female patient following total knee arthroplasty.

Methods: The thesis is divided into two parts. The theoretical section discusses the anatomy and kinesiology of the knee joint, the pathophysiology and treatment of gonarthrosis, and the principles of total knee arthroplasty. The practical part includes initial and final kinesiological examination, therapeutic goals, a detailed description of therapeutic units, and an overall evaluation of the outcomes. The case study was conducted during an internship at the Centrum léčby pohybového aparátu from January 6 to January 31, 2025.

Results: The objectives of the bachelor's thesis were achieved.

Keywords: knee joint, gonarthrosis, total knee arthroplasty, TEP case-study, physiotherapy