

Abstract

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Title: The case study of physiotherapeutic treatment of a patient with total endoprosthesis of the knee joint

Objective: Main goal of this work is to present facts concerning total endoprosthesis of the knee joint and to develop a casuistry of physiotherapeutic care for a patient with mentioned diagnosis. total knee replacement.

Methods: Bachelor thesis is divided into two parts - a general part and a special part. General part summarises the basic facts concerning the anatomy and kinesiology of the knee joint. This part also describes arthritic disease and its surgical treatment by implantation of total knee replacement. At the end of the general part, summary of the possibilities of physiotherapeutic treatment of patients with this diagnosis, is presented. The special part deals with a casuistry of a patient – woman -, which undertook the rehabilitation during my bachelor's internship at CLPA in October 2020. Moreover, this part consists of an initial kinesiological analysis, records of 6 therapeutic units, an output of kinesiological analysis and evaluation of the effect of therapy.

Results: In general, patient's clinical condition improved in almost all monitored areas. Progress seen mainly in reducing swelling of the operated lower limb, improving gait stability and increasing the range of motion in the operated joint.

Keywords: total endoprosthesis, osteoarthritis, knee joint, physiotherapy, treatment casuistry