

Abstract

Name of the thesis: Case Study of Physiotherapeutic Treatment of a Patient with the Diagnosis of unilateral above-knee Amputation

Objective: Summary of theoretical knowledge and processing of case study of a patient with diagnosis of unilateral above-knee amputation.

Methodics of the thesis: This thesis consists of two parts. The general part includes knowledge related with topic amputations, prothesis and possibilities of diagnostics and therapy at this issue, focusing on physiotherapy. Special part, including case study of physiotherapeutic treatment of a patient with the diagnosis of unilateral above-knee amputation, contains complex kinesiological examination, rehabilitation plan, progress of therapy and final evaluation of its effect.

Result: Case study of patient that had been processed in two weeks in January and February 2016 in Rehabilitation hospital in Beroun, has proved effect of applied intervention in a patient with the diagnosis of unilateral above-knee amputation especially in the hip area, where occurred elongation of shortened structures, increase of the range of active motions and improvement of muscle strength especially in flexion, extension and bilaterally abduction. Furthermore it could be examined improved realizing of motion stereotypes (bilaterally abduction and extension) and improved activation of deep spinal stabilization system and all of this has led to improved walking stereotype.

Keywords: amputation, phantom pain, case study, physiotherapy