

Abstract

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Title: Case study of physiotherapeutic treatment of a patient after implantation of total hip replacement.

Objectives: The aim of this thesis is to provide a case study of physiotherapeutic treatment of a patient after implantation of a total hip replacement due to advanced coxarthrosis and peruse the literature related to this diagnosis.

Methods: Therapeutic methods and procedures were used, which are part of the curriculum of the bachelor's study at FTVS, namely, taking an anamnesis, initial and final kinesiological examination and therapeutic procedures determined according to the results. The procedures included exercises for prevention of thromboembolic disease, therapeutic physical education, soft tissue methods, mobilization techniques, postisometric relaxation, postisometric relaxation with stretching, passive prolonged stretching, passive movements, locomotion and mobility training.

Results: The patient experienced a complete disappearance of the swelling in the area of the scar on PDK, pain reduction in the operated right hip joint, the range of motion in the PDK hip joint and muscle strenght of weakened muscles has increased, improvement of joint mobility of patella and head of fibula on both DKK, the soft tissues loosened, improvement in self-sufficiency, influence on stretchability of shortened muscles and improvement of gait stereotype with 2 FH.

Keywords: Total endoprosthesis, hip joint, degenerative diseases, coxarthrosis, physiotherapy procedures, treatment.