

## **ABSTRACT**

**Thesis Title:** Post-operative physiotherapeutic intervention and management after proximal femur hemiarthroplasty, in elderly patient.

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**Název práce:** Pooperační fyzioterapeutická péče a terapie pacienta vyššího věku po hemiarthroplastice proximálního femuru.

### Summary

The aim of this dissertation is to demonstrate, analyse and evaluate a case study of post operative physiotherapeutic intervention and management after proximal femoral hemiarthroplasty, in elderly patient.

This dissertation which was written and composed by myself is divided into two parts, the theoretical and the special. The first part describes all the anatomical structures of the hip joint including bones, joints, and soft tissue as well as neural and blood supply structures. The theoretical part also analyzes in depth from a biomechanical and kinesiology perspective the function of the hip joint and injury mechanisms in respect to a fracture event or age associated pathologies.

The special part is devoted to describe the medical history of my patient together with a detail report which clarifies all the applied procedures including initial and final examinations, daily assessments, therapies, conclusions, and data analysis of results.

**Keywords:** Femoral neck, fracture, hemiarthroplasty, conservative, treatment, management, elderly, terra-bands, rehabilitation, post-operative, care.