

Abstract

“Case Study of a Patient after Partial Hip Replacement”

The following Bachelor thesis case study took place in Orthopedic Surgery department of the Central Military Hospital in Prague, Czech Republic.

This thesis has been divided in to two section. The first section is a generally theoretical section that describes the lower limb, anatomy, biomechanics, kinesiology and a basic general outlook on the femoral bone fractures and intervention.

The second section which is the practical part of this thesis is focused on the analyses of a patient post a partial hip replacement surgery that's a consequence of a proximal femoral bone fracture. The section contains physiotherapeutic examinations that relate to the patient's condition and help clearly understand her overall clinical picture.

The main goals of therapy approach was to reduce the patient's pain, restore function of the hip and the lower extremity in general to its optimal condition to enable the patient to resume activities of daily living.

There was a positive outcome from the therapies applied. The pain around the hip that the patient used to feel decreased. Greater active and passive ranges of motion in the hip joint were achieved as well. The muscle tonus in the lower extremity also improved significantly. Off course the patient hasn't recovered fully and requires some more time till a full recovery.

Keywords: Arthroplasty, prosthesis, intermedullary nail, proximal fracture, external fixiation, total hip replacement and partial hip replacement.