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This bachelor's thesis deals with knowledges of total hip replacement, especially medical rehabilitation, also includes social and vocational rehabilitation. The theoretical part includes anatomy of hip joint, types of replacements, arthroplasty and its main indications. The practical part describes the rehabilitation procedures applicable to patients after arthroplasty. In the casuistry part I apply the theoretical knowledges in practice with concrete patients. I describe my experiences during their hospitalization and propose the long term plan.