This work deals with a case study on nursing care of the patient after total endoprothesis of hip joint, which was performed because of primary diagnosis of right hip. This work is composed of two parts: a clinical and nursing. The clinical section includes basic of anatomy, disease characteristics, pathogenesis, clinical picture, diagnosis, treatment, basic information about the patient, tests review during hospitalization, pharmacotherapy and the course of hospitalization. Nursing section includes a brief description of the nursing process and the of the Model of functional health by Marjory Gordon. In the short-term plan for the first operational day are determined current and potential nursing diagnosis and elaborate the objectives of nursing care, care plans, their implementation and evaluation. Then followed a long-term care plan. Then there is the section dealing with psychological aspect of the patient, social issues, education, and prognosis. Work is supplemented by a list of abbreviations, bibliography, summary tables and a list of attachments. In the enclosures are nursing anamnesis, Barthel's test of basic activities of daily living ADL (Activity Daily Living), the risk of decubituses according to Norton scale and fall risk rating.