The objective of this work is elaboration of case study, nursing care of the patient with ovarian cancer, 63 years old patient has been hospitalized on the clinic of gynecology and obstetric because of gynecology operation. The theoretical part deals with general introduction to the anatomy and physiology of female genital organs, here are shown some risk factors for ovarian cancer, symptoms and current possibilities of diagnosis and treatment of ovarian cancer. Nursing part contains description of nursing care of the patient in early post operating time. The nursing care has been performed by the theory of nursing process. Evaluation has been performed by the model of Marjory Gordon. Meaningful part of this work is a chapter about the educations. The work is finished by lists of references, abbreviations and completed by several supplements.