Coronary artery bypass grafting (RIA, RMS, RD and RIVP) was performed in 59 years old man. Duration of cardiopulmonary bypass/cross clamp was 55 min/40 min resp. There were no complications during the operation. The main topic of the work is to describe and evaluate nursing care process. There are several pillars of modern and effective nursing care starting with M. Gordon s rules and WHO statements on the other hand. The nursing care of our patient had several stages – preoperative, early postoperative, early rehabilitation and full rehabilitation with the end of hospitál stay. On the preoperative day the patient was fully educated about process of operation and postoperative care. Early postoperative care was slightly complicated with bleeding, anyway the problem was solved without surgical intervention. Further nursing care (pain control, pulmonary rehabilitation etc.) was without complications. Just before leaving home after successfull operation the patient was educated in secondary prevention of ischemic heart disease.