

The theoretical part of the bachelor's thesis includes information connected with the autologous taking, the production of the autologous transfusion preparations and the protection of quality of the autotransfusion, also basic information about blood groups, which are the integral part of the transfusion medicine.

The practical part is divided into three main parts. The first part deals in more detail with the issue of blood taking for autotransfusion and with the examination connected to autologous blood. The second part contains the statistical figures about the autotransfusions carried out in the Blood Bank Department of FN Motol. It examines the quantity of taken and expired transfusion preparations of patients indicated for the autologous blood taking from the orthopaedics department in total knee and hip joint endoprosthesis and from the urology department of patients before prostate operations and transformation of gender from male to female. The third part consists of the quality control and the protection of quality of the autologous transfusion preparations.

The practical part is based on statistical materials provided by the Blood Bank Department of FN Motol of the year 2011.