

# Annotation

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Presented bachelor's work deals with the blood theory, with the issue of blood donation, the motivation of blood donors and last but not the least with the care of donors. It refers to the possibilities of blood donation and to its components and subsequent processing in constituents of blood and production of transfusion preparations. This thesis focuses deeply on the production of thrombocyte/platelet transfusion products. It describes the possibilities of issuing these products to clinical workplaces and also the use of transfusion and taking care of the patients during the application of the transfusion preparations. The part of work is the analysis of possible after-transfusion reactions and sequential procedure dealing with the complications.

The empirical part of work focuses on after-transfusion reactions following the transfusion thrombocyte products in the University Hospital in Hradec Králové. Two methods of investigation were used: quantitative questionnaire survey and data analysis.

The information and materials necessary for this thesis were obtained at the University Hospital in Hradec Králové in the Department of Transfusion, IV. Internal Medicine, Hematology Clinic, Department of Surgery, Neurosurgery clinic and Emergency department.