

## **Abstract**

This bachelor thesis summarizes the basic information about Rh system, the second most important system of blood groups. This work is split into two parts.

Theoretical part is focused on the blood – its composition and formation. Next, it focuses on history, antigens and antibodies of Rh system, prenatal and postnatal serological examination, laboratory testing of irregular antierythrocytes antibodies and hemolytic disease of a newborn.

Practical part describes procedure examination screening of antibodies on the Transfusion departments in Havlíčkův Brod and detection of irregular antierythrocytes antibodies.

Keywords: Rh system, antibodies, imunohematology, hemolytic disease of a newborn