

THE ANALYSIS OF BLOOD TYPE DISTRIBUTION OF THE ABO AND Rh SYSTEM IN THE POPULATION OF TUZLA CANTON (BOSNIA AND HERZEGOVINA)

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Abstract: *The aim of this study was to show the blood groups distribution of ABO and Rh system in the Tuzla Canton area. To determine whether there are statistically significant differences in the distribution of blood groups of ABO and Rh system in relation to the urban and rural subgroups, then according to the gender of the respondents, and compared to the previous surveys in BiH. The research was done by a retrospective study, on a sample of 6.000 volunteer blood donors. Compared to the total sample, it was determined that the O blood group appeared as the most common with frequency of 38.25%, blood group A with frequency of 37.35%, and for blood group B a frequency is 17.22%. For blood group AB the lowest recorded frequency was 7.18%. Blood groups distribution of ABO and Rh system in the Tuzla Canton is quite homogenous and it is within the scope of the expected values for this area.*

Key words: *ABO Blood Group System, Rh system, Tuzla Canton*