

INVESTIGATIONS OF SOME BLOOD PARAMETERS IN HEALTHY AND INJURED HORSES

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Summary. The aim of performed study was to compare some blood parameters in healthy and mechanically injured horses in relation to severity of trauma and age of animals. Twelve different aged horses were divided into 4 equal groups. The horses in groups 1 and 2 were healthy, and in groups 3 and 4 had mechanical traumas of limbs. It was shown, that after treatment 50 % of treated horses fully recovered, and 16 % still had lameness. The mean of erythrocytes was on 3.2–5.0 % lower, the mean of protein was on 12.2–44.1% higher and the level of glucose increased on 65–69% in injured horses compared to the controls, respectively. Furthermore, the level of triglycerides in blood increased on 2.5 fold and the level of cholesterol on 1.5 fold in injured horses compared to controls.

Keywords: horse, diseases, blood parameters.