BIOCHEMICAL PARAMETERS OF BLOOD OF ZAANEN GOATS IN THE CLIMATIC CONDITIONS OF UZBEKISTAN

Makhmudova Khurshida Irgashevna
The director of the academic lyceum of Samarkand state Medical University 14010, the republic of Uzbekistan, Samarkand city Vokhid Abdullayev street, 14

It is noted that biochemical parameters of blood play an important role in obtaining objective information when assessing the general physiological condition of goats under the influence of various biotic and abiotic factors [Elitok, 2012; Novopashina etc. al 2018].

The aim of this study is to analyze the seasonal dynamics of some biochemical parameters of the blood of Zaanen goats in the climatic conditions of the Respublic of Uzbekistan.

Research materials and methods. Researchers were carried out in the farm of Zaanen goats in Tashkent region. Biochemical test of goat's blood samples were performed at the "Laboratory of Immunology" of Samarkand state Medical University and the children's surgery clinic of Samarkand region.

In the performed using standard methods [Elitok, 2012; Afanasyev, 2020; Lakota, 2020; Leybova and Pazovnisova, 2021]. Mathematical-statistical analysis of experimental results obtained in research according to standard methods, "Microsoft Excel 2007" (Microsoft, USA) was implemented using special software package.

The obtained results and their analysis. The amount of hemoglobin in the blood of goats was 2,13%,1,65% in the 2nd and 3rd experimental groups (summer 14-18. IV. autumn 18-23 IX) in comparison with the 1st experimental group (winter 14-19. XII), the amount of erythrocytes increased significantly in the 2nd experimental group, and this situation is due to the increase in the speed of metabolic processes in the body in spring,summer and autumn compared to winter dependence was estimated. The amount of leukocytes in blood was found to be almost within the normal range in all experimental groups (spring 13-18, III, summer 14-18. IV, autumn 18-23. IX, winter 14-19 XII). The amount of total proteins in the blood compared to experimental group.1.(spring 13-18. III) in experimental groups 2 and 3 (summer 14-18 III, autumn 18-23 IX) 8,66%, increased by 10,39%, decreased by 4,92% in the 4th experimental group(winter 14-19. XII) and it was estimated that the situation is related to the increase in the rate of metabolic processes in the body during the feeding of animals in the pasture in spring, summer and autumn compared to winter. The amount of albumins, globulins, AL/G coefficient, glucose, alkaline phosphatase, Ca, P, lgG in the blood in the blood of 1st experimental groups(spring 13-18 III, summer 14-18. IV, autumn 18-23. IX, winter 14-19 XII) was noted to be in the range of physiological norm. The amount of A/T in the blood compared to experimental group 1(spring 13-18

III), in experimental groups 2,3,4 (summer 14-18 M , autumn 18-23 IX, winter 14-19 XII) was 18, respectively 83% , 4,26% and 27,85% increase AST amount increased by 4,77%, 4,48% and 1,71% at was estimated that this staution maybe related to the activation of the glucose-alamine cycle in the body of goats during lactation.

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