

EFFECT OF *TOXOPLASMA GONDII* ON HAEMATOLOGICAL VALUE AND LEUCOCYTIC FORMULA OF EXPERIMENTALLY INFECTED RABBITS

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Summary. Toxoplasmosis –is the world-wide human and animal disease. The specific aim of our work was to determine the effect of *Toxoplasma gondii* on haematological values. Eight rabbits were divided into two groups. Four rabbits subcutaneously were inoculated with mice brain 1:3 suspension prepared from *Toxoplasma gondii* infected mice. Four noninfected rabbits were used as a control. The haematological value of rabbits from both groups were determined in the beginning of the experiment and 30 days after inoculation. Antibodies against *Toxoplasma gondii* were found in the blood experimentally infected rabbits using Complement Fixation Test.

Lower values of erythrocytes [13,19 % (0,01<P<0,05)] and higher values of leukocytes [(31,37 % (0,01<P<0,05))] were determined in peripheral blood of *Toxoplasma gondii* infected rabbits in comparison to the corresponding values of the same rabbits in the beginning of the experiment prior to *Toxoplasma gondii* inoculation. Lower values of erythrocytes [3,95 % (P>0,05)] and higher values of leukocytes [8,27 % (0,01<P<0,05)] were determined in peripheral blood of *Toxoplasma gondii* infected rabbits in comparison to the corresponding values of control rabbits

Appearance of young forms neutrophils, lower values of segmented neutrophils [31,43 % (0,01<P<0,05)] and also eosinopenia were determined in peripheral blood of *Toxoplasma gondii* infected rabbits blood in comparison to corresponding values of control rabbits group.

Keywords: toxoplasmosis, rabbits, haematological test, haematological value, leukocytic formula.