

MORPHOLOGICAL CHANGES IN BLOOD FORMING AND IMMUNE ORGANS OF CHICKENS, VACCINATED AGAINST INFECTIOUS BRONCHITIS

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The article presents data on the effect of vaccination of chickens against infectious bronchitis on body weight and absolute immunity organs' weight. Our researches have shown that while immunization chickens against infectious bronchitis the diminishing of thymus and bursa of Fabricius absolute weight is observed. This fact proves the increasing migration of T- and B-lymphocytes to the peripheral immune organs for making active immune reactions.

On the 8th day of the research absolute weight of bursa of Fabricius of chickens in controlled group exceeded the analogous index of the vaccinated chickens by 9.4 mg. Absolute spleen weight in this period of research of the chickens in the controlled group did not differ significantly from the index of immunized poultry. Absolute thymus weight on the 7th day after the vaccination of the poultry in controlled group was bigger than that of the vaccinated chickens and was $105 \pm 2,68$ mg.

On the 20th day after vaccination a slight tendency to reducing of the absolute weight of bursa of Fabricius was observed in the group of vaccinated chickens in comparison with the controlled group. Absolute thymus and spleen weight in this period of research did not differ significantly in two groups of chickens.

As a result of calculations it was determined that the thymus index on the 7th and the 40th day after the vaccination decreased and was in controlled group of 8-days old – 2.5, in the group under research - 2.3; in control group of 40-days old it was in average 5.9; in the group under research it was 5.3; a tendency to diminishing of bursa of Fabricius and spleen index was observed in all age groups.

Chickens, infectious bronchitis, vaccine, body weight, absolute weight, thymus index, bursal index