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DETERMINING THE SAFETY OF POULTRY SUFFERING FROM EYMERIOZ

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The estimation of safety of meat chickens suffering from eymerioz. The data to determine the toxicity of poultry rapid method using ciliates Colpoda steinii. Furthermore justified veterinary-sanitary evaluation of meat patient with eymerioz bird that is the meat derived from poultry patient with signs of exhaustion, is toxic and should be sent to the technical utilization. If meat obtained from patients poultry carcass but no signs of exhaustion, can produce the realization after inactivation by boiling thoroughly within three hours of outdoor boilers.

Key words: *quality, safety, veterinary and sanitary evaluation eymerioz, poultry toxicity.*

Setting the problem. International standards put stringent requirements for peer review of any poultry products (meat, eggs, egg, egg powder) that no appropriate certificate or permit is not allowed on the consumer market and are considered "potentially dangerous." In recent years Ukraine has also noticeably improved methods of veterinary-sanitary examination of milk, meat and their products, the use of which makes it possible to obtain relatively complete picture of the nutritional value and safety of this product. As for poultry products, this issue has not been studied, - the methods of veterinary-sanitary examination of poultry products should be improved, but for some parasitic diseases of poultry have been developed veterinary and sanitary products in battle assessment [2, 3].

Analysis of researches on this issue. Which chicken - one of the most important components of a healthy diet. Source of protein that is easily absorbed vitamins, amino acids, minerals - an indispensable material for the growth and functioning of any organism, the base prevention of diseases and excellent taste in addition - this is not a complete list of features chicken meat in our diet. It more protein than any other kind of meat, besides the fat content of less than 10%. Recent scientific studies have proven that it is poultry meat provides complete protein balance in the body among the general population of Eastern European countries [1]. However, if the meat is obtained from an infected bird, it may include in its composition toxins isolated in the course of their life parasitic organisms. Such meat - dangerous for the human body [3, 5].

The purpose of the study. The aim was to determine whether the dangerous meat obtained from birds suffering from eymerioz.

The objective of the study was to determine toxicity of meat derived from poultry patient eymerioz.

Materials and methods of research. The main object of research was chicken, eymerioz patients and healthy poultry meat. To investigate the toxicity were selected meat from sick poultry carcasses with signs of exhaustion (1 sample), meat from sick poultry carcasses with no signs of exhaustion (2 samples),

and meat from clinically healthy birds (sample 3). Determine the toxicity study conducted meat with a dry culture kolpody (*Colpoda steinii*) for "Methodology for use culture kolpody dry for toxicological studies of meat and meat products from animals and birds" (2002) [4]. Manufacturing dry timber culture was carried out in accordance with the documentation TU 46.15.243-97 with standards commerce series deck strains P-1.

The method is based on the removal of the studied products of different fractions of toxic substances distilled water and the subsequent effect of these extracts on the culture of ciliates *Colpoda Steinii*.

The results. The study carcasses, poultry eymerioz patient with signs of exhaustion, we found that in 80% of samples of meat kolpod advancing death within three hours. This indicates that the meat obtained from carcasses with signs of exhaustion birds suffering from eymerioz, toxic. Thus, the meat goes on the technical utilization.

1. Indicators of toxicity meat obtained from carcasses with signs of exhaustion birds suffering from eymerioz

№ Number Sample	Performance	Level toxicity
1	1 within three hours of the death of at least 90% kolpod and rate of growth was less than 90%	slightly toxic
2	deaths kolpod advancing for three hours	toxic
3	deaths kolpod advancing for three hours	toxic
4	deaths kolpod advancing for three hours	toxic
5	deaths kolpod advancing for three hours	toxic

Exploring the meat obtained from carcasses without signs of exhaustion of sick birds to eymerioz, we have obtained results that indicate that all samples kolpod intensity loss was less than 90%. The intensity of growth was also below 90%. Given the data, we see that the meat slightly toxic (Table 2).

2. Indicators of toxicity meat obtained from carcasses of birds without signs of exhaustion, patients eymerioz

№ Number Sample	Performance	Level toxicity
1	1 for three hours killed at least 90% kolpod and rate of growth was less than 90%	non-toxic
2	//-//	slightly toxic
3	//-//	slightly toxic
4	//-//	slightly toxic
5	//-//	slightly toxic
		slightly toxic

Samples of meat obtained from carcasses of healthy birds were not toxic in all samples within three hours kolpody were moving, and their growth rate reached 90%. According to inactivate toxins in poultry

we boil thoroughly within three hours of sample meat obtained from carcasses with no signs of exhaustion birds suffering from eymerioz and then determined their toxicity.

3. Indicators of toxicity meat obtained from carcasses of birds without signs of exhaustion, patients eymerioz after boil thoroughly

№ Number Sample	Performance	Level toxicity
1	1 for three hours killed at least 90% kolpod and rate of growth was less than 90%	non-toxic
2	//-//	non-toxic
3	//-//	non-toxic
4	//-//	non-toxic
5	//-//	non-toxic

So after boil thoroughly meat with a weak level of toxicity is complete removal of toxins, and it is fit for consumption.

Conclusions:

1. Meat obtained from carcasses with signs of exhaustion birds suffering from eymerioz - toxic.
2. Meat obtained from carcasses without signs of exhaustion birds suffering from eymerioz - slightly toxic.
3. If boil thoroughly poultry carcasses with low levels of toxicity for three hours the meat is safe for consumption.

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