

PATOLOGICAL INFLUENCE OF ECHINOCOCCOSIS ON THE HUMAN BODY

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Parasitic diseases, caused by helminths, one-celled and arthropods, are a wide group of illnesses, that largely determine the state of health of the population. According to the official statistics of the WHO 4.5 billion of people suffer from parasitic diseases annually. Every third person is ill in Europe. It is proved today that 95% of the population is infected with parasites. The share of parasitic diseases account for one in four death.

The most important place among the complex of parasitic disease belongs to cestodosis and echinococcosis should be distinguished between them. More than 1 million people is affected by this disease worldwide. Echinococcosis cases in Ukraine are recorded among its inhabitants everywhere, but the southern regions, such as Odesa, Kherson, Mykolayiv, stay dominant.

Echinococcosis - severe chronic human disease caused by parasites helminth larvae of *Echinococcus granulosus*. Echinococcosis infection happens per os by swallowing infective eggs of the parasite by close contact with the animals of the family Canidae.

The pathological effect of echinococcosis is caused by increasing of echinococcal cysts. Mechanical pressure, caused by the growing larvae, leads to dysfunction of the organ where it is localized. 3 stages are distinguished in the course of disease: 1 - characterized by the penetration of *Echinococcus* into the body; 2-stage is caused by pressure of cysts on the organs tissue; 3- complications in the parasites: perforation, suppuration, petrification.

Treatment of echinococcosis is surgical. The best way to treat – ehinokokektomia. Its ideal form used in small size of cysts, with their complete removal. Mortality of these operations is 1-5% relapse - 2-25%. In the course of medical treatment used albendazolum or mebendazolum. But the drugs are used mainly as a complement to surgery.

Prevention of echinococcosis disease is based on the complex veterinary and medical measures with purpose to destroy the sources of infestations, holding regular prophylactic dehelminthization of animals, keeping rules of personal hygiene.

Following the foregoing, it should emphasize the importance of learning all complex of problems connected with echinococcosis and the necessity to find solutions of this problem, because echinococcosis is a disease that continues to spread among people worldwide and claims to be one of the most dangerous for mankind.