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# STUDY OF JOINT ACTION ISONIAZID AND VITAMIN B6 ON THE CONDITION OF LIVER DURING OF TREATMENT OF GUIENA PIGS WITH EXPERIMENTAL TUBERCULOSIS

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**We present the results of morphological studies of tuberculosis and nonspecific inflammatory changes of the guinea pigs in the treatment of different ratios of isoniazid with pyridoxine hydrochloride. Guinea pigs are well suited to study airborne TB transmission due to their exceptional vulnerability to infection with as little as a few inhaled mycobacteria. The guinea pig also replicates many aspects of TB infection in humans, including the formation of granulomata, primary and hematogenous pulmonary lesions, dissemination, and caseation necrosis. The optimal dose ratio of the expression of specific and non-specific manifestations of inflammation in the lungs and liver also prayed to interpret the results of studies for the treatment of destructive tuberculosis in humans. It was proposed a method of determining the optimum ratio of doses of the most pronounced therapeutic effect and minimal side effects. The aim of the study was to conduct morphological evaluation of lesions of internal organs (lungs, liver) after treatment of experimental tuberculosis of guinea pigs different ratios of doses of isoniazid and pyridoxine hydrochloride. The optimal therapeutic effect is obtained by treating animals with experimental tuberculosis isoniazid at a dose of 26 mg/kg of vitamin B6 and 10mg/kg body weight of the animal, thus completely disappeared phenomenon specific inflammation in the lungs, liver. This phenomenon also disappeared perifocal nonspecific inflammation disappeared dystrophic and necrotic changes in the studied organs.**

## Biography

Ludmila Gayova is a Professor and Head of Department of Biological and Bioorganic Chemistry Bogomolets National Medical University, Kyiv, Ukraine. She has completed her MD from Bogomolets National Medical University. She has published more than 60 papers in academic journals like Ukrainian Pulmonological Journal, *Tuberculosis, Pulmonary disease*, HIV infection, ScienceReise and *International Journal of Animal Science* and Technology and other.

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