

DYNAMICS OF ENDOGENOUS INTOXICATION AND CYTOKINE REGULATION IN DRUG RESISTANT PULMONARY TUBERCULOSIS

L. D. Todoriko, O. V. Pidverbetska

Rezume. Endogenous intoxication dynamics and cytokine regulation at drug resistant pulmonary tuberculosis witness that cytokine imbalance is formed due to significant IL-6 level increase versus IL-10 and IL-18 levels decrease. However the increase of IL-6 and IL-10 levels is observed on the background IL-18 level decrease at extensively drug-resistant TB. It benefits the growth of «systemic inflammatory response» syndrome manifestations against a background of endogenous intoxication and cytotoxic hypoxia and depends on the profile of Mycobacterium tuberculosis resistance to anti-TB drugs as well as specific inflammatory response prevalence in bronchopulmonary tissue.

Key words: *drug resistant tuberculosis, endogenous intoxication, cytokines, inflammation.*