

# VALUE OF PERIPHERAL BLOOD AND BRONCHOALVEOLAR LAVAGE FLUID T- LYMPHOCYTES CYTOKINE PROFILE FOR DIFFERENTIAL DIAGNOSIS IN PATIENTS WITH PULMONARY TUBERCULOSIS AND PNEUMONIA

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## *Summary*

In 30 patients with newly detected pulmonary tuberculosis, 30 patients with pneumonia and 10 healthy controls we determined TNF- $\alpha$ , IL-2, 4, 6 та IFN- $\gamma$  in blood and bronchoalveolar lavage fluid (BAL) using standard commercial sets for direct immune-enzyme analysis. In BAL the level of proinflammatory cytokines (except IFN- $\gamma$ ) was highly increased in comparison with blood in both groups of patients. Cytokine profile of T- lymphocytes from peripheral blood and BAL in patients with pulmonary tuberculosis and pneumonia was different. This can be used as differential diagnostic criteria. In patients with pneumonia there were increased the levels of cytokines of Th2 lymphocytes IL-6 IL-4, in patients with tuberculosis — cytokines of Th1 lymphocytes TNF- $\alpha$  and IL-2.