

# CYTOKINE IMBALANCE IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ITS CORRECTIONS USING INTERFERON INDUCERS

*G. I. Lysenko, T. O. Sytyuk*

## *Summary*

The results of the study of the cytokine and interferon status in patients with chronic obstructive pulmonary disease (COPD) in stage of exacerbation before and after treatment with interferon inducer (Arbidol) have been presented. In COPD patients we revealed increased production of serum pro-inflammatory cytokines (IL-1, IL-8, TNF- $\alpha$ ) and elevated level of anti-inflammatory cytokine (IL-10). The levels of interferons (IFN- $\alpha$ , IFN- $\gamma$ ) were decreased in COPD patients. Main effects of Arbidol influence on cytokine and interferon status were determined.