

PECULIARITIES OF THE CYTOKINE STATUS AND INFLAMMATORY ACTIVITY IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE

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Summary. *216 patients with chronic obstructive pulmonary disease (COPD) in the period after exacerbation were examined. The levels of proinflammatory (TNF α , IL-8) and antiinflammatory (IL-4, IL-10) cytokines, interferon α and γ (INF- γ and INF- α), level of IgG-antibodies to the endotoxin of gram-negative flora in the serum and the level of IL-8 in exhaled breath condensate were studied. The revealed disbalance of pro- and antiinflammatory cytokines increases according to the severity of the disease. The high inflammation activity in the bronchi is already distinct in remission of the mild COPD and is confirmed by the high level of endogenous intoxication. Disturbances of antiviral protection are found in 18,2–33,3 % of patients.*

Key words: *chronic obstructive pulmonary disease, cytokines, interferons, endogenous intoxication.*