

CELLULAR COMPOSITION AND CYTOKINES LEVEL IN BRONCHOALVEOLAR LAVAGE LIQUID IN PATIENTS WITH BRONCHIAL ASTHMA AND DIFFERENT SENSITIVITY OF BRONCHIAL TREE TO METHACHOLINE

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Summary

Cellular composition of bronchoalveolar lavage liquid (BALL) was studied as well as BALL levels of interleukines (IL-5, IL-8) and tumor necrosis factor (TNF α) in 45 patients with bronchial asthma (BA) with different sensitivity of bronchial tree to methacholine. In patients with high sensitivity to methacholine the number of eosinophiles and neutrophils, IL-5 and IL-8 concentrations were significantly higher than similar indices in patients with moderate and low sensitivity. This was an indication of participation of these cells in the formation of bronchial hypersensitivity and hyperreactivity in patients with BA. The assessment of IL-5 level in BALL could be the useful informative method for bronchial reactivity diagnostics.