

# MODERN METHODS OF EFFECTIVENESS CONTROL OF BRONCHIAL ASTHMA THERAPY WITH INHALED CORTICOSTEROIDS

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## *Summary*

The effectiveness of the use of different doses of inhaled corticosteroid (ICS) budesonid was studied in 40 patients with persistent bronchial asthma (BA). It was shown that clinical effect of the ICS therapy depended on the peculiarities of cell-mediator interactions. Predominantly eosinophilic inflammation, accompanied with interleukine 5 (IL-5) hyperproduction, appeared to be sensitive to the administration of ICS in moderate doses. Bronchial mucosa infiltration with lymphocytes, neutrophils, epithelium desquamation, the increased predominant production of tumor necrosis factor (TNF $\alpha$ ) and IL-8 characterized more severe BA course. In presence of those disturbances the higher doses of ICS were required.