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**Title:** The influence of respiratory infection on bronchial asthma

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**Body:** Acute respiratory infection (ARI) intensify the severity of inflammation reaction of bronchial asthma (BA). AIM: to study the influence of ARI on the level of the control over BA and the immunology of this combination and the possibilities of treatment. METHOD: The clinical monitoring over 316 patients with bronchial asthma for a year, the immunological research and the results of treatment with affine purified antibodies for gamma-interferon of the human (48 cases). RESULTS: during the observation there were fixed  $4,1 \pm 0,3$  episodes of ARI for each patient. Analyzing the graph of frequency of ARI with BA, some differences with seasonal virus ARI attract our attention. There is no traditional apex of seasonal virus ARI in the February, the reduction of tension is seen only by May, summer months are not also free from ARI, and the intensity of winter months the frequency of ARI reaches already in October. There is not direct link between the frequency of ARI and the level of control over asthma. The dependence of the dose of ICS and the frequency of ARI was also detected. On the whole, each patient received  $2,7 \pm 0,6$  the course of antibiotics therapy relatively to respiratory pathology. 94,4% of patients got different mukostatic drugs. Low tension of the immunity was fixed: CD4/CD8 index was  $1,23 \pm 0,08$ , phagocytic index was  $62 \pm 2,1\%$ . After three month of the use of antibodies for gamma-interferon frequency of ARI was marked, the real improvement of the rate of the cellular immunity, the increase of the level of IgG to  $9,88 \pm 0,41$  I/l with the following return to the previous level, and also the real reduction of the level of IgE to  $69,2 \pm 5,5$  among the patients with exogenous asthma.