

**ACTUAL RESPIRATORY VIRUSES AS INDUCTORS
OF BRONCHIAL OBSTRUCTIVE DISEASES
IN CHILDREN AND OPPORTUNITIES
OF ANTIVIRAL THERAPY**

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Summary

The aim of our study was to identify new viruses in young children with bronchial obstruction syndrome (obstructive bronchitis and bronchial asthma). The study involved 125 children aged 3 months to 6 years. The mean age of patients was 33,7 (95 % CI 24,5–43,0) months. Viruses were identified in 82 % of patients. In 39,3 % were found bokavirus. Metapneumovirus found in 10,7 % of patients. Exacerbation of asthma is 2,3 times more likely to be associated with bokavirus infection compared with patients with obstructive bronchitis (RR = 2,3 (95 % CI 0,9–6,2). Duration of bronchial obstruction syndrome in children with asthma was significantly higher ($p < 0,0001$) than in children with obstructive bronchitis – 5,3 days (95 % CI 4,1–6,4) versus 2,7 days (95 % CI 2,3–3,1). The survey results confirm the important role new viruses in causing acute and exacerbation chronic bronchoobstructive diseases in children. Promising in the treatment of acute respiratory viral infections in children with bronchoobstruction (obstructive bronchitis and his repeated episodes, exacerbation of asthma) is drug Ergoferon, which is inherent in the triple action: antiviral (due to antibodies in extremely small doses to the γ -interferon), antiinflammatory (due to antibodies in extremely small doses to the CD4-lymphocytes) and antihistamine (due to antibodies in extremely small doses to the histamine) action.

Key words: *actual respiratory viruses, obstructive bronchitis, bronchial asthma, Ergoferon, children of first 6 years of life.*

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