

# CORRELATION BETWEEN RESPIRATORY TRACT MICROFLORA AND CHRONIC OBSTRUCTIVE PULMONARY DISEASE PECULIARITIES

***E. M. Rekalova***

## *Summary*

To study the influence of lower respiratory tract microflora on clinical course of chronic obstructive pulmonary disease (COPD), 52 adult patients with exacerbation of COPD were examined using with clinical, functional, bronchoscopic, microbiological and microscopic methods. 76 signs were received for statistic analysis. Potential pathogenic Gram-positive cocci were isolated from sputum of patients with shorter duration of COPD. Gram-negative rods accompanied the atrophy of bronchial mucosa. The presence of *Pneumocystis* correlated with lesser number of non-pathogenic bacterial stains. Mould fungi and *Candida* in sputum associated with the most serious ventilatory impairment. The conclusion was made about the influence of bronchial microflora colonisation/infection (potential pathogenic bacteria and fungi) on worsening of COPD.