

CLINICAL AND IMMUNOLOGICAL CHARACTERISTICS OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE PHENOTYPES

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Summary

We conducted clinical, radiological, functional, bronchological and immunological examination in 82 patients with acute exacerbation of COPD in order to evaluate the characteristics of patients' phenotypes. The systemic and local immune response was evaluated using the indices of T and B links of immunity and phagocytosis activity. A certain distinctive features of bronchitic phenotype (less severe exacerbations, depressed phagocytosis activity of systemic immunity) and emphysematous phenotype (decreased FEV1, depressed T-lymphocytes activity, drop of serum IgM and A levels, eosinophilic bronchial secretions, diminished vital capacity of alveolar macrophages with their preserved activity) were revealed. These findings should be considered while administering immunomodulation treatment.