

# INFLUENCE OF GENETIC FACTORS ON THE DEVELOPMENT AND COURSE OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE

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*Abstract*

According to current views chronic obstructive pulmonary disease (COPD) is a multifactorial disease with a systemic manifestations. It is believed that the main determining risk factor is a smoking, while environmental air pollution occupies the second place. At the same time, there are certain scientific proofs that a polymorphism of a number of genes can at the deeper level influence the function of the trachea-bronchial tree, immune system, cause an imbalance of a range of enzyme systems, overall compromising the effectiveness of COPD treatment.

The article is devoted to the analysis of available data from the literature on a role of genetic factors in development and progress of COPD, their influence on treatment efficacy and prognosis.

***Key words:*** chronic obstructive pulmonary disease, genetic factors, prophylaxis, treatment.

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