

COMPARATIVE ANALYSIS OF CLINICAL, FUNCTIONAL AND MENTAL STATUS OF PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE

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Abstract

Chronic obstructive pulmonary disease (COPD) is one of the most common diseases of the respiratory system. Mental disorders such as depression and anxiety are the most frequent comorbid conditions, complicating the course of COPD. Limitations of lung function and quality of life, as well as severe symptoms are often detected in COPD patients with concomitant anxiety and depression compared with COPD patients without mental disorders.

Aim was to determine the complex relationship between some manifestations of COPD and mental status of patients.

Materials and methods. We examined 93 patients with COPD, using clinical and functional methods. Clinical symptoms, quality of life and mental status were evaluated using self-reported questionnaires.

Results. According to the cluster analysis patients were divided into three clusters with the maximum differences between the clinical and functional parameters and indicators of mental status. COPD patients with low severity of clinical symptoms and high level of functional parameters and quality of life had less mental disturbances. More clinically severe patients with low level of functional parameters and quality of life had deeper mental disorders. Patients with intermediate clinical and functional parameters had an intermediate level of mental symptoms.

Conclusion. COPD patients with low functional parameters and very severe clinical symptoms had a higher risk of mental disorders than less symptomatic COPD patients with a minor disturbances of lung function.

Key words: chronic obstructive pulmonary disease, clinical and functional condition, mental status.

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