

THE INFLUENCE OF TIOTROPIUM BROMIDE ON MUCOCILIARY CLEARANCE'S CONDITION IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE

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Summary

Mucociliary clearance's (MCC) condition in 23 patients with stable severe chronic obstructive pulmonary disease was studied under the treatment of tiotropium bromide (TB) and TB in combination with carbocysteine. The efficacy of treatment was evaluated with dynamics of clinical symptoms, spirometry (FEV_1 , FVC), MCC's condition (medium weight molecules' level in sputum, proteinase-antiproteinase system's condition and protein's level in sputum). Results of treatment had demonstrated a reduction of clinical manifestation of the disease, the improvement of data of spirometry, the normalization of biochemical content of bronchial secret, which leads to improvement of MCC's condition. The addition of carbocysteine gives additional positive effect on biochemical content of bronchial secret.