

PECULIARITIES OF MORPHOLOGICAL CHANGES IN MUCOUS MEMBRANE OF BRONCHI IN COPD PATIENTS DEPENDING ON THE STAGE OF DISEASE

T. A. Pertseva, I. V. Ivakh

Summary

We studied peculiarities of morphological changes in mucous membrane of bronchi in COPD patients depending on the stage of disease. In patients with stage I COPD strong compensatory capacities exist for restoration of normal histoarchitectonics of bronchial mucosa epithelium. We detected Ki-67 reaction in double differentiated cells (both glandular and flat cells) in COPD stage II patients, which could predict unfavorable course of disease, being a sign of irreversible changes of bronchial tree epithelium. Immune histochemical analysis of bronchial mucosa samples may serve as a method of evaluation of the rate of progression of irreversible changes in bronchial mucous membrane epithelium.