INFLUENCE OF INTRABRONCHIAL INFUSIONS OF NITROGEN MONOXIDE ON BACTERIAL LOAD OF THE BRONCHIAL MUCOSA IN TREATMENT OF PATIENTS WITH CHRONIC BRONCHITIS

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Abstract

The aim of the study is to determine the effect of intrabronchial infusions of nitrogen monoxide on the bacterial load of the bronchial mucosa in the complex treatment of patients with exacerbation of chronic bronchitis (CB).

Materials and methods. 85 patients with exacerbation of CB were examined and treated. Patients of the main group (42 patients) received additional intrabronchial infusions of nitrogen monoxide during bronchoscopy after bronchial sanitation in combination with traditional therapy. The patients of the control group (43 patients) were prescribed traditional therapy, and during bronchoscopy they were given only bronchial sanitation with a physiological solution.

Results and discussion. The use of intrabronchial infusions of nitrogen monoxide in complex treatment leads to a more pronounced sanitation of the lower respiratory tract from bacteria and fungi Candida spp. in patients with exacerbation of CB and increases the duration of clinical remission.

Key words: chronic bronchitis, bacterial and fungal colonization of the lower respiratory tract, intrabronchial infusions of nitrogen monoxide, bactericidal effect of nitrogen monoxide.

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