

THE EFFECTIVENESS OF THE SALBUTAMOL AND HYPERTONIC SODIUM CHLORIDE SOLUTION WITH SODIUM HYALURONATE COMBINATION IN THE TREATMENT OF PATIENTS WITH BRONCHIECTASIS

K. Yu. Gashynova, K. S. Suska, V. V. Dmytrychenko

State Institution "Dnipropetrovsk medical academy of the Health Ministry of Ukraine", Dnipro, Ukraine

Abstract. Today, we can no longer call bronchiectasis a rare disease, because due to improved diagnostics, the prevalence rate is growing every year. However, despite the large number of conducted studies, the level of evidence on treatment remains low, which makes it important to develop approaches to patient management. *The aim of the study* was to determine the efficacy and safety of the combination of salbutamol (NEBUTAMOL®, Yuri-Pharm, Ukraine) and hypertonic sodium chloride solution with sodium hyaluronate (LORDE® gial, Yuri-Pharm, Ukraine) in complex nebulizer therapy of bronchiectasis. *Results and discussion.* The study found that the vast majority of patients with bronchiectasis have signs of obstruction and are prone to more sputum production, more pronounced cough and shortness of breath than patients without obstructive changes. The use of NEBUTAMOL®, Yuri-Pharm and LORDE® gial, Yuri-Pharm in complex nebulizer therapy of bronchiectasis has shown its effectiveness and safety, which are confirmed by the results of the study: the use of sodium chloride 3 % solution with sodium hyaluronate 30 mg was found to be effective in the group of patients without airway obstruction, and in the group of patients with airway obstruction the use of salbutamol in a dosage of 2 mg / 2 ml and sodium chloride solution 3 % with sodium hyaluronate 30 mg by inhalation for 14 days had statistically and clinically significant effectiveness in reducing daily sputum and subjective feelings of the patient regarding the severity of cough and the amount of sputum. *Conclusions.* Therefore, based on the results of the study, we can recommend the use of complex nebulizer therapy using the bronchodilator salbutamol and hypertonic sodium chloride solution with sodium hyaluronate in patients with bronchiectasis and bronchial obstruction and the use of inhaled mucolytic hypertonic sodium chloride with sodium hyaluronate in patients without airway obstruction.

Key words: bronchiectasis, salbutamol, sodium hyaluronate, hypertonic saline, treatment of bronchiectasis.

K. Yu. Gashynova

State Institution "Dnipropetrovsk medical academy of the Health Ministry of Ukraine",

Doctor of Medical Science, Professor

Head of the department of occupational diseases and immunology

Volodymyra Vernadskogo str., 9, Dnipro, 49044, Ukraine,

email: gashynova@gmail.com

Asthma and Allergy, 2020, 3, P. 35–41.