
CLINICAL EFFICACY OF TIOTROPIUM BROMIDE IN BASIC THERAPY IN PATIENTS WITH ASTHMA-COPD OVERLAP.

Y.I. Feshchenko, L.O. Iashyna, K.V. Nazarenko, M.O. Polianska

Abstract

The aim of the study was to evaluate the effect of addition of tiotropium bromide to the basic therapy in patients with asthma-COPD overlap on clinical parameters and quality of life.

The addition of tiotropium to the baseline therapy in patients with asthma-COPD overlap contributed to improved control of symptoms: after the completion of treatment, patients in the main group noted improvement in the transient dyspnea on all scales, in contrast to the control, where the functional changes remained at the baseline level (the change was $(0,067 \pm 0,1)$), on other scales in the control group – the condition slightly deteriorated.

In the main group, the severity of asthma symptoms decreased, in the control group no significant changes occurred. Asthma control has improved, although the level of control has not significantly changed. Symptoms that are characteristic of COPD have also slightly decreased in the main group.

Addition of tiotropium contributed to a significant improvement of quality of life questionnaire EQ –5 D – total score was significantly decreased relative to baseline data; while in the control group the changes were unreliable, the change of the EQ –5D index was 0,1. In the visual analog scale, the indicator in the main group significantly increased by 6,23 points, in the control – decreased by 2,13 points.

The course of treatment with the addition of tiotropium improved the quality of life of the patients: the symptoms decreased – statistically significant, with the minimum clinical difference – increased physical activity, improved mood, reduced anxiety about the disease, anxiety due to attacks of breathlessness, fears left without the necessary medication. In the control group, these indicators remained at baseline, only a slight decrease in symptoms, but without statistical significance.

Key words: combined pathology of asthma and COPD, tiotropium bromide, symptoms, quality of life.

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Y.I. Feshchenko, Academician of NAMS of Ukraine, Professor

Director of SO «National Institute of phthisiology and pulmonology named after F.H. Yanovskyi of NAMS of Ukraine»

10, M. Amosova str., Kyiv, Ukraine, 03038; tel.: +38 (044) 275-04-02; +38 (044) 275-21-18; e-mail: admin@ifp.kiev.ua