

# EICOSANOID LEVELS IN PATIENTS WITH ASTHMA, COMBINED WITH CHRONIC NON-ALCOHOLIC STEATOHEPATITIS ON DIFFERENT TREATMENT OPTIONS

**Yu. Yu. Chumak**

*Abstract*

The concentrations of leukotriene B4 (LTB4) and thromboxane B2 (TxB2) were studied in patients with acute exacerbation of asthma (A) and chronic non-alcoholic steatohepatitis (NASH) during the treatment. In patients with A combined with NASH, after resolution of asthma exacerbation LTB4 and TxB2 serum and urine levels were higher than in A alone patients. The complex treatment which included pentoxifylline in patients with A and NASH combination led to reduction of studied eicosanoid levels. Treatment with omega-3 polyunsaturated fatty in the course of medical rehabilitation, resulted in more significant reduction of LTB4 and TxB2 in serum and their higher urine excretion in A/NASH patients.

**Key words:** asthma, chronic non-alcoholic steatohepatitis, eicosanoids, pentoxifylline, omega-3 polyunsaturated fatty acids.

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*Yulia Yu. Chumak*

*SO «Lugansk state medical university»*

*Department of internal medicine and pulmonology*

*tel. 38 050 723-61-61, e-mail; yul4a02@mail.ru*

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