

УДК: 616.248-613.25

CONTENT OF SERUM LEPTIN IN BRONCHIAL ASTHMA
PATIENTS WITH DIFFERENT BODY MASS

G.A. Fadeeva, magister

Scientific leader—L.N.Prystupa, D.M.

Sumy State University, Department of Internal Medicine

With discovery of leptin the greater attention is spared to the study of pathophysiological role of leptin in metabolic violations in particular at obesity as to the factor, that burdens current of many diseases.

Determination of leptin level in bronchial asthma patients with a **different** body mass was a research purpose.

Materials and methods. 38 patients are inspected, 18 inspected of them with bronchial asthma and normal body mass **made** the 1st group, 20 patients with asthma and obesity made the 2nd group. 23 practically healthy persons **made** control group. The body mass index (BMI) and **general** volume of fatty tissue (GVFT) was determined, BMI were **estimated** according to recommendations of WHO. The level of leptin was explored on an analyzer «Multiscan» by means of LEPTIN ELISA KIT (DRG). Data was analyzed statistically.

Results of researches. It is **revealed**, that the level of leptin were in direct correlations with BMI ($r=0,41$; $r<0,05$) and GVFT ($r=0,46$, $p<0,05$) and the leptin level correlated with the **general** volume of fatty tissue to a greater extent. Patients with bronchial asthma and obesity had twice as high leptin level as patients with asthma and normal body mass did.

Conclusion. Serum leptin level was multiplied as far as the increase of BMI and GVFT.

Fadeeva, G.A. Content of serum leptin in bronchial asthma patients with different body mass / G.A. Fadeeva // Матеріали Всеукраїнської науково-практичної конференції студентів та молодих вчених. Український медичний альманах. – 2008. – Т.11, №1. – С.221–222.

