



ISIC-2022 International Scientific Interdisciplinary Conference





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and the prohibition of taking the drug is added to the contraindications of Allopurinol if a person has severe liver or kidney dysfunction (creatinine clearance less than 2 ml/min) and acute gout attack. Considering the adverse reactions that can occur after the use of the drug and referring to the studies of the past years PEX, FACT, CONFIRMS, and the current ELAR Congress 2022 - it has been proven that the most frequent adverse reactions in clinical trials and in the process of taking Adenuric in patients with gout are gout exacerbations, impaired liver function, diarrhea, nausea, headache, rash, and edema. These reactions were in most cases mild and moderate in severity, unlike adverse reactions after taking Allopurinol.

Conclusions: Based on research data, analysis of literature sources, and evaluation of drugs, we can conclude that the superiority of Adenuric over Allopurinol according to the data of modern Ukrainian congresses and studies of Great Britain remains controversial. As of 2022, Allopurinol has a leading role in the treatment of gout.

Habdrakhmanov Illia

IRISIN, AS A DIAGNOSTIC MARKER OF THE DEVELOPMENT AND COURSE OF ACUTE MYOCARDIAL INFARCTION IN PATIENTS WITH TYPE 2 DIABETES AND OBESITY

Kharkiv National Medical University

Department of Internal Medicine No. 2, Clinical Immunology and Allergology

named after academician L.T. Malaya

Kharkiv, Ukraine

Scientific advisor: Koteliukh Maria Yuriivna

Introduction. Acute myocardial infarction (AMI) and obesity are global problems of the diabetic patients. The immunological aspects of the development of AMI in diabetic patients with obesity had not been sufficiently studied in depth until now.

The aim of study is to measure irisin in patients with AMI, diabetes mellitus (DM) type 2 and obesity.

Methods. In research, 31 patients were examined for AMI, type 2 diabetes and obesity. The control group was consisted of 20 practically healthy people. Irisin was determined by the immunoenzymatic method using the “Human Fibronectin type III domain-containing protein 5” reagent kit according to the specified instructions for the analysis. Statistical data processing was performed with the help of the license package of



programs “IBM SPSS Statistics 27.0”. The difference was considered reliable at values of $p < 0.05$.

Results. The content of irisin was also reduced in patients and amounted to 1.58 (1.32, 2.08) ng/ml compared to 6.59 (3.91, 7.92) ng/ml in the control group ($p < 0.001$). Glucose concentration was increased in patients and amounted to 11.90 (7.10, 13.90) mmol/l compared to the control group – 4.75 (4.50; 5.10) mmol/l ($p < 0.001$). The amount of total cholesterol levels was reduced and amounted 5.03 (4.22, 5.69) mmol/l compared to the control group 4.46 (4.19; 4.71) mmol/l ($p = 0.013$). The concentration of very low density lipoproteins in patients was 1.01 (0.59, 1.27) mmol/l compared to the control group – 0.25 (0.21, 0.27) mmol/l ($p < 0.001$). The content of low density lipoproteins (LDL) in patients was 2.94 (2.21, 3.73) mmol/l in comparison with the control group – 2.66 (2.35, 2.76) mmol/l ($p = 0.05$). The level of triglycerides in patients was 1.98 (1.26, 2.65) mmol/l compared to the control group – 1.23 (1.23, 1.25) mmol/l ($p = 0.001$). The content of high density lipoproteins (HDL) in patients was 1.17 (0.95, 1.30) mmol/l in comparison with the control group – 1.23 (1.23, 1.25) mmol/l ($p = 0.027$). The amount of atherogenic coefficient in patients 3.79 (2.58; 4.14) in comparison to the control group – 2.57 (2.26; 2.67) ($p < 0.001$). In patients was found an inverse correlation between irisin and total cholesterol levels ($r = -0.473$, $p = 0.007$), LDL ($r = -0.451$, $p = 0.011$), HDL ($r = -0.403$, $p = 0.024$), glucose ($r = -0.578$, $p < 0.001$), index HOMA ($r = -0.569$, $p < 0.001$).

Conclusion. It has been found that there is an interrelationship between irisin, carbohydrate and lipid metabolism in patients with AMI, type 2 diabetes and obesity.

Katamadze Rusudan, Anyshchenko Anna

TRANSFORMATION OF HELICOBACTER-ASSOCIATED CHRONIC GASTRITIS INTO ULCER DISEASE AND STOMACH CANCER

Kharkiv National Medical University

Department of Internal Medicine №1

Kharkiv, Ukraine

Scientific advisor: Galina Panchenko

Introduction. Stomach cancer is one of the five most fatal types of oncology. The World Health Organization (WHO, 2018) estimates that approximately 750,000 patients pass