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CHANGES OF THE TUMOR NECROSIS FACTOR- α ACTIVITY IN
PATIENTS WITH ARTERIAL HYPERTENSIA AND OBESITY
ACCORDING TO THE LEPTIN LEVEL

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Aim of the investigation is to study the tumor necrosis factor- α (TNF- α) concentration in blood serum of patients with arterial hypertension and obesity according to the leptin level.

Design and methods: 123 patients with AH were examined (47 men and 76 women) middle age 53.87 ± 0.92 years. Leptin and TNF- α level were determined by ELISA. All patients with AH were divided on to groups according to the leptin level in blood serum.

1st group (n=41) leptin level varied from 2.24 to 7.18 ng/ml (5.47 ± 0.21 ng/ml), 2nd group (n=41) leptin level was from 7.25 to 12.50 ng/ml (9.69 ± 0.25 ng/ml), 3rd group (n=41) – leptin level is from 12.50 to 67.25 ng/ml (17.71 ± 1.33 ng/ml).

Results: It was found that TNF- α level in hypertensive patient of 3rd group (9.92 ± 0.68 pg/ml) is significantly higher than in 1st ($4.92 \pm 0.39 \pm 0.4$ pg/ml) and 2nd ($7.64 \pm 0.46 \pm 0.68$ pg/ml) groups, $p < 0.05$.

We showed a direct correlation relationship between leptin levels and TNF- α ($R = 0,37$; $p = 0.001$) in patients of the 1st group, between the leptin level and TNF- α ($R = 0,34$, $p = 0,001$) in patients of the 2nd group, between leptin level and TNF- α ($R = 0,36$; $p = 0.001$) in patients of the 3rd groups.

Conclusions. In hypertensive patients with increasing leptin level in the blood we revealed the parallel increasing of the TNF- α activity. Our study discovered the interrelation between leptin level and TNF- α concentrations in the blood of patients with arterial hypertension and obesity.

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THE CONCENTRATIONS OF ADAPTIVE HORMONES AND IMMUNE
STATUS IN PATIENTS WITH PSORIASIS

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Actuality. Psoriasis is known from ancient times and till now is one of the most widespread dermatosis. Psoriasis can occur at any age but the most frequent disease appears in youths years (in 21–40), and his recurrences occur throughout all life. Psoriasis makes medical and also serious social problem. In various countries 2-3% of the population are ill because of this disease.

A purpose is to study the content of adaptive hormones (somatotropic hormone and pregnenetrioldione) which depends on the select chart of patients treatment with psoriasis and of immunity indexes .

Material and methods. Clinically 40 patients with psoriasis were observed (30 men and 10 women in age from 16 to 60 years) .These people were on stationary treatment in dermatological department in the Kharkiv Clinical Skin and Venerology