



PSORIASIS

## ANALYSIS OF MAIN INDICATORS OF LEUKOGRAM IN RUSSIAN PATIENTS WITH SEVERE PSORIASIS AND PSORIASIS ARTHRITIS.

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**Objectives:** Compare leukogram indices in patients with severe forms of psoriasis (Ps) and psoriasis arthritis (PsA) depending on the age.

**Material and methods:** 164 (100%) patients with Ps (92 male (56.8%)/72 female (44.4%)). Only skin manifestations of Ps were in 137 (83.5%) out of 164 patients, PsA was registered in 27 (16.4%) out of 164 patients. Mean age of Ps patients was  $42.3 \pm 14.6$  years, with PsA -  $54.0 \pm 14.0$  years, mean PASI > 10. All patients were divided into age groups, according to the World Health Organization's standard.  $M \pm m$ , t-test, (%) were calculated. All  $p < 0.05$  were considered to indicate statistical significance.

**Results:** The mean level of leukocytes in patients with PsA was  $7.8 \pm 2.4 \cdot 10^9/l$ ; erythrocyte sedimentation rate (ESR) -  $14.3 \pm 10.5$ ; neutrophils -  $60.0 \pm 10.2 \cdot 10^9/l$ ; lymphocytes -  $28.5 \pm 8.9 \cdot 10^9/l$ . The mean value of the level of leukocytes in patients with Ps was  $6.7 \pm 2.3 \cdot 10^9/l$ , ESR -  $14.4 \pm 10.6$ ; neutrophils -  $60.8 \pm 10.4 \cdot 10^9/l$ ; lymphocytes -  $28.1 \pm 8.8 \cdot 10^9/l$ . No significantly differences were found in the leukogram and ESR in patients with Ps and PsA in all age groups. The level of the ESR were more in 2 times in significantly more cases in PsA compare Ps patients in age group 44-60 years.

**Conclusion:** Leukogram indicators don't reflect the severity of the skin process and don't depend on age and sex. The highest indices of inflammatory markers (ESR) were found in patients with PsA in the age group of 44-60 years.

