**DYNAMICS OF AGE-RELATED CHANGES IN HOMOCYSTEINE, LIPID PEROXIDATION AND ENDOTOXICOSIS MARKERS IN PATIENTS WITH RED LICHEN PLANUS UNDER THE INFLUENCE OF COMPLEX THERAPY**

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| **About the author:** |  T.V. Melnyk |
| **Heading** | CLINICAL OBSERVATIONS |
| **Type of article** | Scentific article |
| **Annotation** | **The objective** of the study: to determine and analyze the level of homocysteine, indicators of the prooxidant-antioxidant system, peptides of medium molecular weight and carbonyl groups of oxidative modified proteins in the blood of patients with lichen planus (LP) depending on age.**Methods:** general clinical, biochemical, immunoassay and statistical.**Results.** Significantly increased blood plasma levels of homocysteine, indicators of the prooxidant-antioxidant system and medium molecular weight peptides (MMWP) were found in the patients with lichen planus as compared to the control group. Administrationof complex therapy to patients with LP using sorbent (atoxil), antioxidant (alpha-lipon), vitamins (decamevitis) contributes to the normalization of endotoxicosis (lower levels of homocysteine, carbonyl groups of oxidatively modified proteins and peptides of mediummolecular weight) and peroxide values lipid oxidation (lower levels of malondialdehyde and diene conjugate and increased levels of catalase, superoxide dismutase and SH-groups).**Conclusions**. A significant increase in the levels of homocysteine, indicators of the prooxidant-antioxidant system, MMWP and carbonyl groups of oxidative modified proteins was found in the patients with LP, being indicative of an essential role of o toxic-metabolic changes in pathogenesis of lichen planus. We found that in the group of patients older than 40 years, the rates of toxic-metabolic disorders are higher than in the group of patients under 40 years of age. The developed method of treatment of decamevitis, alpha-lipon and atoxyl is simple, affordable, effective, and can be used in the practice of a dermatologist. |
| **Tags** | lichen planus, endogenous intoxication, homocysteine, lipid peroxidation, treatment |
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