

THE ROLE OF ANTIOXIDANT PROTECTION IN PATIENTS WITH GOUT COMBINED WITH FUNCTIONAL LIVER DISORDER

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Gout is an inflammatory arthritis characterized by excruciating painful acute attacks. The frequent use of nonsteroidal anti-inflammatory drugs, that takes place in patients with gout, leads to lesion of the gastrointestinal tract including the liver. One of the main mechanisms of pathological changes in liver tissue is the disruption of free radical oxidation of lipids. Antioxidant system in the human body works by decreasing the effects of the free radicals that forms in the affected tissues in combination with liver disease.

Objective. Our aim was to assess the range of superoxide dismutase in gout patients in combination with functional liver disorder.

Methods: A total of 50 adult male patients aged 41–72 years were enrolled in the study. In the group of patients with gout without concomitant liver disease revealed a slight decrease superoxide dismutase level, while concomitant liver damage in second group of gout patients showed significant decrease in this indicator.

Conclusions. Violation of antioxidant protection is inherent in all patients with gout, which in turn suggests liver function disorders.