Intensity of oxidative stress in the osteoarthrosis of the knee joint of the synovia

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Abstract

The metabolic disorders in the osteoarthrosis of the knee joint in the form of the activation of the prooxidativ system and the inhibition of enzymatic part of the anti-oxidativ system were detected. The correlation between the degree of oxidative stress and severity of clinical manifestations of osteoarthrosis was established. The clinically most relevant indicators of synovia for laboratory diagnosis of the osteoarthrosis such as the aliphatic aldehyde groups of the oxidated proteins and the activity of the mieloperorksidazy were identified.