DYNAMICS OF CHANGE OF PERITONEAL AND BRONCHO-ALVEOLAR LAVAGE FLUID PROOXIDANT AND ANTIOXIDANT ACTIVITY IN EXPERIMENTAL ANIMALS AFTER THE USE OF A COMMON HYPERTHERMIA

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We carried out the determination of prooxidant and antioxidant activity of peritoneal and broncho-alveolar lavage fluid in 60 male rats Wistar, which had been previously subjected to general hyperthermia once. The shift of equilibrium in the system «prooxidants – antioxidants» in the direction of prooxidant has been revealed at determining of pro- and antioxidant activity ratio. It testifies to the development of oxidative stress in posthyperthermic period.

Keywords: common hyperthermia, prooxidant activity, antioxidant activity, broncho-alveolar lavage fluid, peritoneal fluid, oxidative stress.

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