

**Laser-induced changes in superoxide dismutase activity and lipid peroxidation of blood *in vitro***

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The influence of red and infra-red low intensity laser irradiation (LILI) at different doses on superoxide dismutase (SOD) and catalase (CAT) activities and lipid peroxidation (LP) processes in the rabbit blood was studied. LILI at energy densities of 0.8-21.6 J/cm<sup>2</sup> was shown to activate SOD and inhibit LP processes in the rabbit blood *in vitro*. These data can explain the positive medical effects of laser blood irradiation.