

IMPACT OF VARIOUS DOSES OF X-RAY RADIATION ON THE CONTENT OF PRODUCT OF LIPID PEROXIDATION ON THE RATS LIVER

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Impact of 30-day fractional x-ray irradiation in total doses of 0,3, 0,6, 0,9 and 1,2 Gy on lipid peroxidation (LPO) of the rat liver has been studied. Decrease of the content of LPO products – malonic dialdehyde and diene conjugates – had been revealed after one day by the end of treatment course in total doses 0,3, 0,9, 1,2Gy and increase of dose 0,6 Gy. In 30 circadian periods their content approximated to the control values.

Keywords: x-ray irradiation, liver, diene conjugates, malonic dialdehyde.