

# ACTIVITY INDICES OF PROCESSES OF LIPID PEROXIDATION AND APOPTOSIS AT RATS WITH CARCINOSARCOMA WALKER 256 UNDER GENERAL HYPERTHERMIA

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The activity indices of processes of lipid peroxidation and apoptosis at rats with carcinosarcoma Walker 256 have been investigated under the influence of the general hyperthermia (43.5 °C). The received data testify, that the oxidative stress inducing tumor tissue cells apoptosis in rats with carcinosarcoma Walker 256 develops under the general hyperthermia. Which is confirmed by the increase in expression of Bax and Bad apoptosis promoters. Possible mechanisms of the initiation of malignant cells apoptosis under general hyperthermia have been discussed.

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**Key words:** carcinosarcoma Walker 256, lipid peroxidation, antioxidants, apoptosis, general hyperthermia.

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