

THE EFFECT OF GLYCINE ON RENAL FUNCTIONAL AND OXIDATIVE PARAMETERS OF RATS WITH DOXORUBICIN-INDUCED NEPHROPATHY

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We studied the effect of glycine on functional and oxidative parameters of kidneys of rats with doxorubicin-induced nephrotoxicity. Serum concentration of a urea and a creatinine, the total protein in urine, the contents of reduced glutathione, protein carbonyl groups and malondialdehyde in a renal homogenate, and also activities of superoxide dismutase, glutathione peroxidase and glutathione reductase are determined.

It is established that glycine prevents the doxorubicin-induced infringement of functional activity and development an oxidative stress in kidneys of rats.