

RADIATION ANTIGEN AND SPECIFIC MEANS FOR DIAGNOSTICS AN THERAPY

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Summary. This study was aimed to investigate the protective qualities of experimental vaccine against radiation on different animal species exposed to lethal doses of radiation. Experimental design included various degrees of radiation sickness - mild, moderate and severe, and visceral, toxic and cerebral forms. Cytobiochemical parameters and immunological reactions were analyzed in central lymph and peripheral blood. Radiation antigen has been isolated and on this basis experimental vaccine against radiation, specific diagnostic kit and specific therapeutic measures have been developed. Exposed to lethal radiation doses, 100% of vaccinated animals survived the treatment. After injection of the vaccine, the protective effect remained unchanged 12 months. Patent for the results of the present investigation is pending