

## **REACTION OF HAEMOPOIETIC SYSTEM OF ANIMALS ON THE ADDITIONAL INTERNAL IRRADIATION**

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The investigation was carried out using rats of the Vistar line, which were exposed to prolonged internal irradiation. Three animal groups were irradiated with different radiation loads. The following changes in bone marrow system (BMS) were investigated: the number of erythrocytes, leukocytes, trombocytes, leukogram of cells in marrow, mitotic activity. The same way of BMS changes was determined, but the expression of these changes increased according the doses of irradiation. The quantitative changes were determined before quantitative changes. It was determined, that disturbances in BMS are caused by incorporated osteotropic radionuclides and they can be taken into account as the unfavorable indices for forecasting the diseases of blood system.