PURPOSE: The aim of our investigation was study the influence of a new amino acid complex of lithium on hemopoiesis at rats, which were exposed by total-body irradiation. The compound was created in chimical laboratory of Kasan State University

METHODS: The estimation an effect of new compound realized on model a total-body irradiation of rats, caused by total-body gamma-irradiation in dose 4.5 Gy on installation AGAT-R1. The rats has been receiving lithium intraperitoneal in dose 15 mg/kg since the third day after irradiation. The condition a hemopoiesis value on indexes of blood, hemopoietic marrow at rats in control group and experimental group before and after treatment. The results were processed statistical, using t criterion Student.

RESULTS: Results demonstrated that the treatment compound lithium accelerated post-irradiation recovery of hemopoietic marrow and corrected the indexes of blood at rats in experiment. Discovered increase the amount of monocytes in the treatment with new amino acid complex lithium post-irradiation, allows to expect that effect of compound realizes through interleukin-2, granulocyte-macrophage-colony-stimulating factor, selected macrophages or monocytes of microenvironment of bone-marrow, since they in sufficient degrees resistant to action of irradiation. Efficient recovery erythropoiesis in using the new compound of lithium can be explained as well as ability an to macrophages synthesize erythropoietin. New amino acid complex lithium shows pharmacological action after post-irradiation hemopoiesis in total dose, corresponding 1/17 DL50 then as of literature, lithium carbonate - in DL50, but lithium succinate - in 2/5 DL50.

CONCLUSION: Thereby, new amino acid complex lithium corrigger the syndrome post-irradiation myelosuppression at rats.

THE MEDICAL PHYSICAL CULTURE OF TIBETAN MEDICINE AS IMPORTANT FACTOR IN TREATMENT OF DIFFERENT DISEASES OF WOMEN

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In its work on recovery of sick womans we broadly use the medical physical culture of tibetan monks.

PURPOSE: estimation of efficiency of using the medical physical culture with strategy of respiratory exercises under different diseases.

METHODS: Method of mastering of such physical culture by itself for sick much built and dangerous since weakened psychic energy sick can run away and cause the inconvertible consequences in organism.

The Physician or instructor, conductive given strategy of recovery, must have special preparation, experience in psychic energy management, see motion of this energy, shelters, which moves from area Dan-pull in area "gates lifes".