

MECHANISMS OF NEURO-ENDOCRINE REGULATION IN THE CONDITIONS OF SMALL IRRADIATION DOSES AND POST-CHERNOBYL RADIATION SITUATION

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Study was held of function of thyroid, parathyroids, gonads, pancreas, adrenal and pituitary glands, transport of hormones in blood, interaction with membrane, cytoplasm and nuclear receptors of different in radiosensitivity and hormone-dependency tissues under the action of small doses of acute and chronic external and internal irradiation. The state of central and peripheral neuro-humoral regulation of cardiovascular system was assessed. The analogous researches were carried out in the conditions of radionuclides pollution after the Chernobyl accident. The obtained data reveal an expressed disturbance of processes of formation, regulation, transport, reception of hormones and neuromediators, which is conditioned by the character, dose and time period after the irradiation. The results serve as the basis of formation of nearest and remote radiation effects and pathology.