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**PSYCHOSOMATIC PATHOLOGY NEUROENDOCRINE AND
PSYCHOENDOCRINE DISREGULATION MECHANISMS IN PERSONS
PROLONGELY WORKING IN CHERNOBYL NPP ALIENATION ZONE**

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The adaptational, energy-supplying and reproductive systems endocrine regulation was estimated in 500 persons still working or those who worked in Chernobyl NPP alienation zone beginning from 1986-1987. The registered peculiarities and deviations were analyzed depending on one or another psychosomatic pathology presence. The prolonged non-specific activity growth of hypothalamopituitary-adrenal system was registered during first 2 - 3 years of work in alienation zone. That included hypercortisolemia, hyperinsulinemia and is related to obesity, diabetes mellitus, hypertension genesis. The authentic correlation is registered between stress severity level and cortisolemia. The most logical disorder of neuro-endocrine regulation was the daily urine norepinephrine excretion decrease (the dose-related effects in dose intervals over 10 cGy) and that of dopamine. The held studies give basis to suppose the pathogenic relation existence between norepinephrine, dopamine deficiency and astheno-depressive, anxiotic conditions, autonomous nervous system vascular storms, pseudo-Parkinson manifestations, hyperprolactinemia syndrome with respective sexual and reproductive systems disorders. The proprial to studied cohort chronical stress realization was revealed - the hypercortisolemia presence with no corticotropine secretion growth, that may prove the hypothalamus neuro-endocrine function initial alteration. The most affected endocrine system branch - thyroid gland disorders role in asthenic, astheno-depressive conditions, osteochondrosis, premature aging processes genesis is of no doubt. So the features characteristic to general disadaptation syndrome both with some peculiarities as we consider proprial to irradiated persons are revealed in those for the long time working in extreme conditions of alienation zone.