Effects psychophysiological adaptation acute radiation sickness patients and clean up workers of chernobyl acc

N. Metlyaeva

Federal Medical Biological Center, Zhyvopisnaya St, 46, 123098 Moscow, Russian Federation

vikrasnuk@yandex.ru

The purpose: Psychophysiological an estimation of efficiency of adaptation of persons with a acute radiation sickness and local radiation injuries, victims at liquidation of failure on Chernobyl power station. The Material and methods: It is lead psychophysiological inspection (MMPI,Cattle test, Raven test, USK,sensomotoric reactions). To 73 patients, from them 10 acute radiation sickness I-IV degrees of weight and 63 participants of liquidation of failure on ChNPP (liquidators) - the personnel of the Chernobyl atomic power station and the enterprises of the Ministry of an atomic energy of the USSR. Results: the Structure of the person at patients acute radiation sickness had asthenic type and alarms (80,0 %), rigidity behaviour (60,0 %), psichoasthenic tendencies (60,0 %), an originality of thinking (50 %), inverted behaviour (60,0 %), propensity to draw attention to available symptoms and problems (60,0 %) have been caused by decrease in efficiency psychophysiological adaptations at 80 % of patients in the form of concern a state of health. The structure of the person at liquidators of failure on ChNPP had asthenico-neurotic type and has been caused by concern a state of health (68,3 %), alarm (53,3 %), demonstrate behaviour (58,3 %), originality of thinking (60,0 %) and extraverted behaviour (86,7 %). Conclusions: the Asthenic type of the person at the patients who have transferred acute radiation sickness and local radiation injuries depends, along with stress, from weight of transferring of a acute radiation sickness, local radiation injuries and infectious-endocrine changes. At liquidators of failure on ChNPP the basic stress the factor of a asthenico-neurotic pathology was, in their opinion, threat of a life and to health in connection with an opportunity of the negative radiating influence, proof enough radiophobia and a social dissatisfaction

Article published by EDP Sciences and available at http://www.radioprotection.org or http://dx.doi.org/10.1051/radiopro:2008558