

Treatment of Mental Disorders in Problematic Cases Due to a Nuclear Plant Crisis: A Topic in Clinical Psychopharmacology

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Sir, the topic of the present problematic Fukushima nuclear plant crisis is of interest. Mental disorders are important clinical problems in patients exposed to radionuclides in the nuclear plant crisis. The treatment of these cases is interesting. Referring to previous publications on a similar nuclear plant crisis, the Chernobyl crisis, a complexity in treatment can be seen. Several drugs including gidazepam and piracetam can be used.

Neznamov et al. noted that “administration of gidazepam--an atypical benzodiazepine tranquilizer--in combination with piracetam produces correction of the undesired stimulant action of the latter drug, while

potentiating the nootropic (antiamnesic) and anxiolytic effects (1).” The concern about the co-presentation of brain pathology in patients with mental disorders due to a nuclear crisis should also be addressed (2,3). For those cases, Otroshchenko noted that “Protidenum combined with nootropil and those drugs improving cerebral microcirculation (cavintonum) enhance efficiency of psychopharmacotherapy of depressive disorders in persons with organic infliction of brain (2).”

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