

The influence of total gamma radiation on behavior and brain changes of aged mice

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The purpose of our experiment was to study physiological state of the body and morphofunctional changes in brain tissue of aged group of mice after 1 month of gamma irradiation. The experiment was conducted with 7 month old male mice, divided in 2 groups: control and irradiated one. One month after 2 Gy Gamma irradiation we carried out behavioral test, blood analysis, and examined other biological material for histological analysis. The obtained results showed changes in behavioral state, according to data from Open Field test, as well as changes in physiological state and structural changes of brain cells in cortex and hippocampus.

Primary author: Ms KOLESNIKOVA, Inna

Co-authors: BUDENNAYA, Natalya (state university Dubna); DESPOTOVIC, Sanja (associate professor); СЕБЕРЮХИН, Юрий (JINR LRB); LYAKHOVA, Kristina (Joint Institute for Nuclear Research (JINR)); УТИНА, Дина (Михайловна); PRON-SKIKH, Evgeniya (Vitalievna); MARIA, Lalkovicova (Laboratory of Radiation Biology); ГАЕВСКИЙ, Виктор (JINR)

Presenter: Ms KOLESNIKOVA, Inna

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