654.

Accession Number

12384605

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Title

Changes in the level of corticosterone in the blood of experimental animals exposed to terahertz waves at the frequency of atmospheric oxygen 129.0 GHz against the background of acute and prolonged stress

Source

Biomedical Technologies and Radio Electronics, no.8, 2011, 23-9. Publisher: Editorial Department of Biomedical Technologies and Radio Electronics, Russia.

Abstract

The effect of electromagnetic terahertz waves at the frequency of 129.0 GHz, the at- mospheric oxygen concentration on the stress hormone corticosterone in conditions of acute and prolonged stress is studied. It is shown that a single continuous 15-minute exposure to electromagnetic radiation at the terahertz frequency 129.0 GHz atmospheric oxygen against the background of acute immobilisation stress completely normalises the altered concentration of corticosterone in experimental animals. The most effective mode of exposure to the conditions of prolonged stress is daily 30-minute exposure to electromagnetic radiation at terahertz frequency atmospheric oxygen 129.0 GHz for 5 days. (11 References).