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THE LINK BETWEEN RADIOFREQUENCIES EMITTED FROM WIRELESS TECHNOLOGIES AND OXIDATIVE STRESS

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Abstract

Wireless communication such as cellular telephones and other types of handheld phones working with frequencies of 900 MHz, 1800 MHz, 2100 MHz, 2450 MHz have been increasing rapidly. Therefore, public opinion concern about the potential human health hazards of short and long-term effect of exposure to radiofrequency (RF) radiation. Oxidative stress is a biochemical condition, which is defined by the imbalance between reactive oxygen species (ROS) and the anti-oxidative defense. In this review, we evaluated available in vitro and in vivo studies carried out on the relation between RF emitted from mobile phones and oxidative stress. The results of the studies we reviewed here indicated that mobile phones and similar equipment or radars can be thought as a factor, which cause oxidative stress. Even

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