

WHAT ARE THE HEALTH RISKS OF WIRELESS RADIATION?

CANCER AND DNA DAMAGE

A two-year study conducted via the National Toxicology Program (an interagency program supported by the NIH, CDC, and FDA) found an association between high exposure to wireless radiation and

- **tumors in the heart and brain** (NTP 2018; rats, in vivo, experimental study),
- **DNA damage in the brain and blood cell** (Smith-Roe et al. 2020; rats/mice, in vivo, experimental study).

The Ramazzini Institute verified these risks (Falcioni et al 2018; rats, in vivo, experimental study).

FETAL MALDEVELOPMENT AND REPRODUCTIVE HEALTH

keeping cell phone in a pants pocket is associated with a “higher percentage of **sperm DNA fragmentation**” (Rago et al 2013, human, in vivo, experimental study)

in-utero radiofrequency exposure from cellular telephones [not smartphones, which emit more radiation] does affect adult behavior. Mice exposed **in-utero** were **hyperactive** and had **impaired memory...**” (Aldad, Gan, Gao, & Taylor 2012; mice, in vivo, experimental study)

“increased risk of aneuploidy [abnormal number of chromosomes, which according to Hassold et al (2007), is a leading cause of **genetic disorders** including genetically caused **miscarriages and congenital birth defects**]” (Korenstein-Ilan et al 2008; cells in culture, in vitro, experimental study)

increased risk of **infertility** (Kesari and Behari 2010; rats, in vivo, experimental study) (Baste, Riise, and Moen 2008; human, in vivo, epidemiological study)

potential association between parental exposure and an increased risk for **congenital birth defects** and having children that are **stillborn** (Mageroy et al 2006; human, in vivo, epidemiological study)

“exposure to EMF in the **prenatal** period causes oxidative stress and histopathological changes in male rat pup **heart** tissue” (Türedi et al. 2015, rats, in vivo, experimental study)

NEUROLOGICAL, COGNITIVE, PSYCHOLOGICAL, BEHAVIORAL IMPACTS

increased risk of cognitive challenges including reductions in **memory speed, reaction time, and alertness** (Zwamborn et al. 2003; TNO Study; human, in vivo, experimental study)

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“long-term microwave exposure could lead to different degrees of **spatial learning and memory impairment, EEG disturbance, ...**” (Wang et al 2023; rats, in vivo, experimental)

“cumulative and transient impairments in spatial and non-spatial **memory**” (Ntzouni et al. 2010; mice, in vivo, experimental study)

“even at low power levels, MMWs were able to produce considerable changes in neuronal firing rate and plasma membrane properties” (Pikov et al 2010; in vitro, experimental)

CARDIOVASCULAR RISKS

acute exposure to WIFI can “**affect heart rhythm, blood pressure, and catecholamines efficacy on cardiovascular system...**” (Sail et al. 2015; rabbit, in vivo, experimental study)

FULL CITATIONS ON OUR WEBSITE.

