



Cell Phone Radiation Poses a Cancer Risk!



Greetings!

On Friday, February 2, 2018, the U.S. National Toxicology Program (NTP) reported that **cell phone radiation did pose a weak cancer risk.** It held a telephone press conference, which the Center for Safer Wireless participated in, to inform the public and to allow questions about their initial reports on the health effects of radiofrequency radiation (RFR) exposure in rats and mice. The studies used RFR exposure levels equal to and higher than the highest level permitted for cell phone emissions today. Two draft reports were released, one on rat studies and one on mouse studies. The final peer review occurs in March 2018. The 10 year, \$25 million toxicological studies are the most comprehensive assessments of health effects and exposure to RFR in rats and mice in the US.

For two years, groups of rats and mice received full body exposure to 2G and 3G cell phone signals, which were the only frequencies used in the US when the experiment began. Both GSM and CDMA systems were tested. Rodents received 9 hours and 10 minutes of the radiation every 18 hours and 20 minutes. Radiation was modulated every 10 minutes.

A statistically significant increase of **malignant schwannoma in the heart** occurred in exposed male rats. The NTP scientists did not expect this to happen, even though the International Agency for Research on Cancer (IARC) of the World Health Organization

in 2011 classified radiofrequency radiation as a possible carcinogen. Schwann cells aid in the conduction of normal electrical impulses along nerve fibers. These same type of Schwann cells are seen in the acoustic neuromas (tumor of the Schwann cells that surround the nerve connecting the brain to the inner ear) of some heavy cell phone users.

Many other types of tumors in different organs developed, including **malignant glioma of the brain**, which other recent epidemiological studies have linked to heavy cell phone use. There was **statistically significant DNA damage found in the frontal cortex of the brains** of the exposed group of male rats and mice as well. Interestingly, the exposed group lived longer than the sham group because of an inexplicable **non-inflammatory radiation effect** that occurred. To read the complete drafts go to [Draft Reports](#).

Last year, NTP director Linda Birnbaum reported that scientists designed the study to identify hazards not risk levels. NTP now intends to do more research to assess health hazards on the newer frequencies of 3G and 4G that are currently used by cell phone companies. They expect to conduct these studies more quickly and efficiently.

5G is currently being deployed throughout our country with small cell antennas. These frequencies have not been tested for safety prior to implementation. **The NTP study has confirmed that there is a biological reaction to wireless non-ionizing radiation (also known as wireless radiation)**. This result should be a red flag for the country to limit any increase of radiation until safety is assured for the public.

When safety studies were conducted about the health effects of tobacco, they also showed a weak link to cancer, and it took decades of humans smoking for the true carcinogenic effect of tobacco to appear. Is this what the future holds for us with wireless radiation? Are we in a grand experiment that could lead us down the same path that occurred with tobacco? The one difference between tobacco and wireless radiation exposure is that we have no choice but to be exposed to wireless radiation, and we have virtually no means to protect our children from the 5G rollout. Unless something changes, it appears our country will continue to put corporate interests and profits ahead of public health.

The Center for Safer Wireless is advocating for a moratorium on 5G until it is proven safe. Until there is a government policy in place to protect us, we must make the effort to protect ourselves. The [Center for Safer Wireless website](#) has information about how to protect yourself from wireless radiation. Please be sure to use it as a resource as you create a healthier environment and lifestyle for yourself and family.

Sincerely,
Desiree Jaworski
Executive Director

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