Research on Wi-Fi

Below is a short list of a few research studies that show Wi-Fi could cause serious harm. The sad truth is that the US government is NOT doing the research needed to sort all of this out. Instead there is no funding and wireless is given a free pass.

As you can see from the above picture- funding seems to influence research results.


Highlights

- Oxidative stress plays important role in biology of Wi-Fi (2.45 GHz)
- 2.45 GHz increased oxidative stress in brain and liver pregnant rats and their newborns.
- Brain seems sensitive to oxidative injury in the development of newborns.

In conclusion, Wi-Fi-induced oxidative stress in the brain and liver of developing rats was the result of reduced GSH-Px, GSH and antioxidant vitamin concentrations. Moreover, the brain seemed to be more sensitive to oxidative injury compared to the liver in the development of newborns.

http://1.usa.gov/1RQpKba

- MicroRNAs (miRNA) play a paramount role in growth, differentiation, proliferation and cell death by suppressing one or more target genes. However, their interaction with radiofrequencies is still unknown. The aim of this study was to investigate the long-term effects of radiofrequency radiation emitted from a Wireless Fidelity (Wi-Fi) system on some of the miRNA in brain tissue.

- RESULTS: The results revealed that long-term exposure of 2.4 GHz Wi-Fi radiation can alter expression of some of the miRNAs such as miR-106b-5p (adj p* = 0.010) and miR-107 (adj p* = 0.005). We observed that mir 107 expression is 3.3 times and miR-106b-5p expression is 3.65 times lower in the exposure group than in the control group. However, miR-9-5p, miR-29a-3p and miR-125a-3p levels in brain were not altered.

- CONCLUSION: Long-term exposure of 2.4 GHz RF may lead to adverse effects such as neurodegenerative diseases originated from the alteration of some miRNA expression and more studies should be devoted to the effects of RF radiation on miRNA expression levels.

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http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4576872/


A few more studies of similar microwave frequencies at low exposures (6V/m or below):

(Not comprehensive)


This information is from http://wifiinschools.org.uk. See also Safe Schools 2012. Medical and Scientific Experts Call for Safe Technologies in Schools. A document for schools.

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Bioinitiative 2012 http://bioinitiative.org
- The 2012 Bioinitiative Summary for the Public: