October 2010

Details

**Canada:** Provocation study using heart rate variability shows microwave radiation from DECT phone affects autonomic nervous system, [Havas et al., European Journal of Oncology](#), 5, 2010.

‘...Orthostatic HRV combined with provoked testing may provide a diagnostic test for some EHS sufferers when they are exposed to electromagnetic emitting devices...’

**China:** Non-thermal Cellular Effects of Lowpower Microwave Radiation on the Lens and Lens Epithelial Cells, [Yu et al., The Journal of International Medical Research](#), 38(3):729-736, May-Jun 2010.

‘...These results raise the question of whether the ambient microwave environment can induce non-thermal effects in the lens and whether such effects have potential health consequences...’

**France:** Duality Between Uplink Local and Downlink Whole-Body Exposures in Operating Networks, [Gati et al., IEEE Transactions On Electromagnetic Compatibility](#), 1-8, Published Online: 20 September 2010.

‘...the study shows that the exchanged powers are much lower than the maximum allowed ones...’

**Global:** In vitro and in vivo genotoxicity of radiofrequency fields, [Verschaeve et al., Mutation Research/Reviews in Mutation Research](#), Available online 16 October 2010.

‘...Many of the positive studies may well be due to thermal exposures, but a few studies suggest that biological effects can be seen at low levels of exposure. Overall, however, the evidence for low-level genotoxic effects is very weak.’

**Italy:** Prenatal Exposure to Non-ionizing Radiation: Effects of WiFi Signals on Pregnancy Outcome, Peripheral B-Cell Compartment and Antibody Production, [Sambucci et al., Radiation Research](#), Published Online: September 28, 2010.

‘...our results do not show any effect on pregnancy outcome or any early or late effects on B-cell differentiation and function due to prenatal exposure to WiFi signals.’

**Switzerland:** Systematic review on exposure to base station radiation, [Röösli et al., WHO Bulletin](#), Published online: 5 October 2010.
‘...The evidence for a missing relationship between MPBS exposure up to 10 volts per metre and acute symptom development can be considered strong because it is based on randomized, blinded human laboratory trials. At present, there is insufficient data to draw firm conclusions about health effects from long-term low-level exposure typically occurring in the everyday environment.’

**Switzerland:** Cell Phones and Health Concerns: Impact of Knowledge and Voluntary Precautionary Recommendations, **Cousin et al., Risk Analysis**, Published online: 29 SEP 2010.

‘...In regard to cell phones, health concerns increased after the reading and stayed at a higher level even after two weeks. The negative perception of base stations, in contrast, tended to decrease...’


‘...The balance of epidemiologic evidence indicates that mobile phone use of less than 10 years does not pose any increased risk of brain tumour or acoustic neuroma.’

**UK:** A case-control study of risk of leukaemia in relation to mobile phone use, **Cooke et al., British Journal of Cancer**, Published Online: 12 October 2010.

‘...use of mobile phones does not increase leukaemia risk, although the possibility of an effect after long-term use, while biologically unlikely, remains open.’

**UK:** Can exposure to a terrestrial trunked radio (TETRA)-like signal cause symptoms? A randomised double-blind provocation study, **Nieto-Hernandez et al., Occupational and Environmental Medicine**, Published Online First: 23 September 2010.

‘...The results suggested that exposure to TETRA signals is not responsible for symptoms reported by some users, although exposure to a continuous wave signal may affect symptoms.’

**Ukraine:** Effects of differently polarized microwave radiation on the microscopic structure of the nuclei in human fibroblasts, **Shchorkbatov et al., Journal of Zhejiang University SCIENCE B**, 11(10):801-805, 1 October 2010.

‘...Microwave irradiation at the intensity of 1 µW/cm2 produced no effect, and irradiation at the intensities of 10 and 100 µW/cm2 induced an increase in HGQ...’

---

The MMF is an international association of wireless communications manufacturers established to support scientific research in relation to mobile telephony and health [www.mmfai.info](http://www.mmfai.info)

The GSM Association (GSMA) is the global trade association that exists to promote, protect and enhance the interests of GSM mobile operators throughout the world. [http://www.gsmworld.com/health](http://www.gsmworld.com/health)

**Disclaimer:** The views expressed in the abstracts mentioned in this document are those of the authors and do not necessarily reflect the views of either the MMF or GSMA.

If you are aware of an article published this month that isn't mentioned here please email [articles@mmfai.info](mailto:articles@mmfai.info)