Recent scientific publications relevant to mobile telephony

December 2010

Details

Denmark: The INTERPHONE study: Brain cancer and beyond, Olsen, Bioelectromagnetics, Published online: 30 November 2010.

‘...The Interphone Study on brain cancer rests upon a case–control design with recall of past exposures recorded with substantial inaccuracy and low participation rates. This commentary questions the wisdom in choosing this design and argues that funding could and should have been used better by setting up a large-scale cohort study that could address other potential endpoints besides cancer.’


‘...We found no direct cytogenetic effects of GSM-900 either 0 h or 24 h after exposure...’

France: Effect of Exposure to 1,800 MHz Electromagnetic Fields on Heat Shock Proteins and Glial Cells in the Brain of Developing Rats, Watilliaux et al., Neurotoxicity Research, 1-11, Published Online: 2 November 2010.

‘...no evidence for acute cell stress or glial reactions indicative of early neural cell damage, in developing brains exposed to 1,800 MHz signals in the range of SAR used in our study.’

France: Occupational and residential exposure to electromagnetic fields and risk of brain tumours in adults: A case-control study in gironde, france, Baldi et al., International Journal of Cancer, Accepted manuscript online: 12 Nov 2010.

‘...A non-significant increase in risk was found for occupational exposure to EMF (OR=1.52, 0.92-2.51)...’


‘...We observed few statistically significant results which are not consistent over the two time points...Based on the pattern of these results, we assume that the few observed significant associations are not causal but rather occurred by chance.’

‘...did not provide any evidence for short-term physiological effects of EMF emitted by mobile phone base stations on objective and subjective sleep quality. However, the results indicate that mobile phone base stations as such (not the electromagnetic fields) may have a significant negative impact on sleep quality.’


‘...surveys the results of early cell phone studies, where exposure duration was too short to expect tumor genesis, and 2 sets of more recent studies with longer exposure duration: the Interphone studies and the Swedish studies led by Hardell.’


‘...Mobile phone-like EMF do not seem to induce cognitive and psychomotor effects...’


‘...These findings indicate that EMR causes age-related changes in the production of nitric oxide (NO), which may lead to different courses of the proliferation cascade in newborn and young adult neurogenesis.’

**Sweden:** Re-analysis of risk for glioma in relation to mobile telephone use: comparison with the results of the Interphone international case-control study, *Hardell et al., International Journal of Epidemiology*, published online: December 17, 2010.

‘...our results in the same age group as in Interphone, 30–59 years, are similar as in Appendix 2 for latency ≥10 years and cumulative use ≥1640 h...’

**Turkey:** Retraction: 'Evaluation of carcinogenic effects of electromagnetic fields (EMF), *Bayazit et al., Bosnian Journal Of Basic Medical Sciences*, 10(3):245-250, 2010.’

‘...the article apparently represents plagiarized material from two World Health Organization reports, one European Commission report and other sources. Since this is considered scientific plagiarism and scientific misconduct, Editor-in-chief has decided to withdraw the article. The authors have agreed with the editorial office decision.’

**USA:** Cell phone use and behavioural problems in young children, *Divan et al., Journal of Epidemiology and Community Health*, Published Online First: 7 December 2010.

‘...The findings of the previous publication were replicated in this separate group of participants demonstrating that cell phone use was associated with behavioural problems at age 7 years in children, and this association was not limited to early users of the technology. Although weaker in the new dataset, even with further control for an extended set of potential confounders, the associations remained.’
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)