April 2011

Details

**Austria:** Impact of cell phone use on men’s semen parameters, *Gutschi et al., Andrologia*, Published online: 28 March 2011.

‘...Our results showed that cell phone use negatively affects sperm quality in men. Further studies with a careful design are needed to determine the effect of cell phone use on male fertility.’

**Canada:** The benefit of smart phone usage in liver organ procurement, *Croome et al., Journal of Telemedicine and Telecare*, 17(3):158-160, Published: 1 April 2011.

‘...Had the fellows not been able to interact with the staff surgeon in real-time during the surgery, there is a high likelihood that the organ would have been rejected by the staff surgeon due to the unexpected finding...’

**China:** Correlation between cellular phone use and epithelial parotid gland malignancies, *Duan et al., International Journal of Oral and Maxillofacial Surgery*, Published online: 6 April 2011.

‘...Overall, the frequency of cellular phone use was not significantly associated with epithelial parotid gland malignancy...The authors suggest that the association of cellular phone use and epithelial parotid gland malignancy and mucoepidermoid carcinoma requires further investigation with large prospective studies.’

**China:** Chinese adult anatomical models and the application in evaluation of RF exposures, *Tongning et al., Physics in Medicine and Biology*, 56(7):2075, Published: 7 April 2011.

‘...Whole-body-averaged specific absorption rate (WBSAR) from 20 MHz to 5.8 GHz was calculated with the finite-difference time-domain method for different RF exposure configurations. The WBSAR results are consistent with those from other available models...’

**China:** Potential Protection of Green Tea Polyphenols Against 1800 MHz Electromagnetic Radiation-Induced Injury on Rat Cortical Neurons, *Liu et al., Neurotoxicity Research*, 1-7, Published online: 4 February 2011.

‘...Our results suggested a neuroprotective effect of green tea polyphenols against the mobile phone irradiation-induced injury on the cultured rat cortical neurons.’

**France:** Variability of radiofrequency exposure across days of the week: A population-based study, *Viel et al., Environmental Research*, Published online: 15 March 2011.
‘...We found evidence for statistically significant variability of individual RF exposure across days of the week, though the relative magnitude of the differences observed was small...’

**Finland:** Review of possible modulation-dependent biological effects of radiofrequency fields, Juutilainen et al., *Bioelectromagnetics*, Published online: 7 Apr 2011.

‘...While the majority of recent studies have reported no modulation-specific effects, there are a few interesting exceptions indicating that there may be specific effects from amplitude-modulated RF fields on the human central nervous system. These findings warrant follow-up studies.’

**India:** Exposure to cell phone radiations produces biochemical changes in worker honey bees, Kumar et al., *Toxicology International*, 81(1):70-72, Published: January 2011.

‘...The results of the treated adults were analyzed and compared with the control. Radiation from the cell phone influences honey bees’ behavior and physiology...’

**Israel:** Cognitive effects of cellular phones: A possible role of non-radiofrequency radiation factors, Hareuveny et al., *Bioelectromagnetics*, Published online: 12 April 2011.

‘...the results remain similar to those obtained in our previous work. These results indicate that some of the effects previously attributed to RFR can be the result of some confounders.’

**Italy:** Electromagnetic Compatibility of WLAN Adapters With Life-Supporting Medical Devices, Calcagnini et al., *Health Physics*, 100(5):497-501, Published: May 2011.

‘...these wireless local area network adapters can be considered reasonably safe, although interference may occur if they are operated at very close distance (<10 cm) to the medical devices.’

**Netherlands:** The role of scientific advisory bodies in precaution-based risk governance illustrated with the issue of uncertain health effects of electromagnetic fields, van Dijk et al., *Journal of Risk Research*, 14(4):451 - 466, Published: April 2011.

‘...We conclude that scientific advisory bodies should inform decision-makers rather than guide them towards a particular decision. In case of substantial uncertainty, they should not attempt to offer unequivocal advice on the best policy option...’

**Spain:** Patient Safety and Electromagnetic Protection: A Review, Carranza et al., *Health Physics*, 100(5):530-541, Published: May 2011.

‘...Measures of electromagnetic fields in healthcare environments have been also reported, concluding that special protective measures should be taken against electromagnetic interferences by incoming radio waves.’

**Switzerland:** Sleep EEG alterations: effects of different pulse-modulated radio frequency electromagnetic fields, Schmid et al., *Journal of Sleep Research*, Published online: 12 Apr 2011.

‘...our results provide further evidence that pulse-modulated RF EMF alter brain physiology, although the time-course of the effect remains variable across studies...’

‘...The data presented can be used in numerical simulations of the exposure of pregnant women to electromagnetic fields.’


‘...The participants embraced the project, and were enrolled and retained in numbers that suggest such an intervention is worth examining for efficacy.’

USA: Comparing nanoparticle risk perceptions to other known EHS risks, Berube et al., *Journal of Nanoparticle Research*, 1-11, Published online: 18 March 2011.

‘...Nanoparticles rank 20th on the list, above only blood transfusions, cell phone use, commercial air travel, and medical X-rays.’


‘...Malignant and nonmalignant brain tumors demonstrate differing patterns of occurrence by sex, age, and race, and exhibit considerable biologic diversity…’

USA: Nonthermal mechanism of interactions between electromagnetic fields and biological systems: a calmodulin example, Markov, *The Environmentalist*, Published Online: 4 March 2011.

‘...While biophysical approach is based on experimentally obtained data on biological responses to the applied EMF, the engineering approach strongly relies on specific absorption rate (SAR) value...’

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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)

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