



Recent scientific publications relevant to mobile telephony

April 2015

Details

Belgium: On-body calibration and measurements using a personal, distributed exposimeter for wireless fidelity, [Thielens et al., Health Physics](#), 108(4):407-418, April 2015.

'...A subject was equipped with the PDE during a walk in the city of Ghent, Belgium...an average incident power density of 59 nW m⁻² was registered in the WiFi frequency band during this walk...'

China: Interference of GSM mobile phones with communication between Cardiac Rhythm Management devices and programmers: A combined in vivo and in vitro study, [Huang et al., Bioelectromagnetics](#), Published online: 10 April 2015.

'...Patients implanted with CRMs should not be restricted from using GSM mobile phones; however, CRMs should be kept away from high-frequency EMFs of GSM mobile phone during programming...'

Greece: In situ measurements of radiofrequency exposure levels in Greece from 2008 to 2013: A multi-parametric annual analysis, [Christopoulou et al., Bioelectromagnetics](#), published online: 27 FEB 2015.

'...Measurement results revealed that the vast majority of exposure values were below reference levels for general public exposure, as defined by Greek legislation...'

India: Effects of chronic exposure to 2G and 3G cell phone radiation on mice testis – a randomized controlled trial, [Mugunthan et al., International Journal of Current Research and Review](#), 7(4):36-47, 2015.

'...Chronic exposure to ultra-high frequency radiation emitted from 2G and 3G cell phone could cause microscopic changes in the seminiferous epithelium, reduction of serum testosterone level, reduction in the number of Sertoli cells and Leydig cells...'

Italy: Scenarios Approach to the Electromagnetic Exposure: The Case Study of a Train Compartment, [Paffi et al., Biomed Res Int](#), 2015(10), 2015.

'...The higher values of exposure in specific positions inside the train compartment depend on the number of active cell phones, the bad coverage condition, the cell orientation, and the presence of metallic walls...'

Japan: In Vitro Evaluation of Genotoxic Effects under Magnetic Resonant Coupling Wireless Power Transfer, [Mizuno et al., International Journal of Environmental Research and Public Health](#), 12(4):3853-3863, Published: 7 April 2015.

'...Did not detect any significant effects between the WPT-exposed cells and control cells. Our results suggest that WPT exposure under the conditions of the ICNIRP guidelines does not cause detectable cellular genotoxicity...'

Norway: Prospective Study of Pregnancy Outcomes After Parental Cell Phone Exposure: The Norwegian Mother and Child Cohort Study, [Baste et al., *Epidemiology*](#), Publish Ahead of Print: April 22, 2015.

'...We found no association between maternal prenatal or paternal preconceptional cell phone exposure and any of the studied pregnancy outcomes. The only risk estimate suggesting a potential increased risk was not consistent with other findings...'

Serbia: The SEMONT continuous monitoring of daily EMF exposure in an open area environment, [Djuric et al., *Environmental Monitoring and Assessment*](#), 187(4):1-17, 2015/03/20.

'...Results of monitoring suggest that potential exposure is far below the allowable limit, regarding reference levels prescribed by the Serbian legislation for the general population...'

Sweden: Biomarkers in volunteers exposed to mobile phone radiation, [Söderqvist et al., *Toxicology Letters*](#), 0): Available online 31 March 2015.

'...This study failed to show any acute clinically or statistically significant effect of short term microwave exposure on the serum levels of S100 β , TTR and β -trace protein with a follow up limited to two hours...'

Sweden: Increasing Rates of Brain Tumours in the Swedish National Inpatient Register and the Causes of Death Register, [Hardell et al., *International Journal of Environmental Research and Public Health*](#), Published April 3, 2015.

'...We conclude that the Swedish Cancer Register is not reliable to be used to dismiss results in epidemiological studies on the use of wireless phones and brain tumour risk...'

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

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. www.gsma.com/mobile-and-health

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