January 2012

Details


‘...Our registries may observe an increase in malignant tumors in the next few years that they are not detecting now due to late ascertainment...’

**Canada:** Electromagnetic hypersensitivity: Fact or fiction?, *Genuis et al., Science of The Total Environment*, Published online 5 December 2011.

‘...a review of the sparse literature on this perplexing condition and a discussion of the controversy surrounding the legitimacy of the EHS diagnosis...’

**Egypt:** How does long term exposure to base stations and mobile phones affect human hormone profiles?, *Eskander et al., Clinical Biochemistry*, 45(1-2):157-161, Published January 2012.

‘...This study showed significant decrease in volunteers' ACTH, cortisol, thyroid hormones, prolactin for young females, and testosterone levels...’

**Egypt:** Experimental determination of the higher electric field level inside an overmoded reverberation chamber using the generalized extreme value distribution, *Orjubin et al., Annals of Telecommunications*, 66(7):457-464, Published online May 2011.

‘...Since the maximum field distribution for this overmoded RC is found to be of reverse Weibull type, the field distribution is right bounded by a higher level that can be determined.’

**Europe:** Assessment of RF Exposures from Emerging Wireless Communication Technologies in Different Environments, *Joseph et al., Health Physics*, 102(2):161-172, Published February 2012.

‘...The average contribution to the total electric field is more than 60% for GSM. Except for the rural environment, average contributions of UMTS-HSPA are more than 3%. Contributions of the emerging technologies LTE and WiMAX are on average less than 1%. The dominating outdoor source is GSM900 (95th percentile of 1.9 V m-1), indoor DECT dominates (95th percentile of 1.5 V m-1).’

**France:** In utero and early-life exposure of rats to a Wi-Fi signal: Screening of immune markers in sera and gestational outcome, *Ait-Aissa et al., Bioelectromagnetics*, Published online 6 Jan 2012.
‘...our observations suggest a lack of adverse effects of Wi-Fi exposure on delivery and general condition of the animals.’

**France:** A surrogate model to assess the whole body SAR induced by multiple plane waves at 2.4 GHz, Kientega et al., *Annals of Telecommunications*, 66(7):419-428, Published online May 2011.

‘...A first result shows that this random heterogeneous exposure generates maximal variations of Â±25% for the whole body specific absorption. An important observation is that the exposure to a single plane wave arriving face to the body, used for the guidelines, does not constitute the worst case…’


‘...The objective of this statement is to address the possible adverse health effects from exposure to mm waves used in whole body electronic security scanners. The statement includes an assessment of the applicability of currently available exposure guidelines.’

**Greece:** Brain proteome response following whole body exposure of mice to mobile phone or wireless DECT base radiation, Fragopoulou et al., *Electromagnetic Biology and Medicine*, Published online 20 January 2012.

‘...The observed protein expression changes may be related to brain plasticity alterations, indicative of oxidative stress in the nervous system or involved in apoptosis and might potentially explain human health hazards reported so far, such as headaches, sleep disturbance, fatigue, memory deficits, and brain tumor long-term induction under similar exposure conditions.’

**Italy:** Microwave induced shift of the main phase transition in phosphatidylcholine membranes, Beneduci et al., *Bioelectrochemistry*, 84:18-24, Published April 2012.

‘...if the membrane is brought into close proximity to the transition point, microwaves induce a reduction of water ordering at the membrane interface, an upward shift of the main phase transition temperature and a broadening of the transition region...’

**Italy:** Life styles, anxiety, expertise: the perception of risk from electromagnetic fields, Deitinger et al., *Giornale Italiano di Medicina del Lavoro ed Ergonomia*, 33(3):B14-B20, Published September 2011.

‘...people prone to anxiety and individual emotional states filter the perception of risk arising from activities, technologies, substances...’

**Japan:** Long-term electromagnetic field treatment increases brain neuronal activity: Linkage to cognitive benefit and therapeutic implications for Alzheimer's Disease, Mori et al., *Journal of Alzheimers Disease & Parkinsonism*, 1(2):102, Published 11 November 2011.

‘...we suggest EMF treatment as a viable approach to counter this neuronal hypo-activity and possibly enhance/stabilize cognitive function.’

**Sweden:** The potential impact of mobile phone use on trends in brain and CNS tumors, Hallberg et al., *Journal of Neurology & Neurophysiology*, S5-003, Published 20 December 2011.
‘...Mobile phone use may lead to a reduced DNA repair function resulting in about a 2-fold increase in brain cancer incidence, or with an increasing rate of initial DNA brain damage from mobile phone use a 25-fold increase in brain cancer incidence may result.’

**UK:** Mobile Phone Use for Contacting Emergency Services in Life-threatening Circumstances, Wu et al., *The Journal of Emergency Medicine*, Published online 6 December 2011.

‘...Mobile phone compared to landline reporting of emergencies resulted in significant reductions in the risk of death at the scene (odds ratio [OR] 0.77), but not for death in the ED or during inpatient admission. The risk of being transferred to the ED and subsequent inpatient admission were significantly lower with reporting from mobile phones compared to landline (OR 0.93 and OR 0.82, respectively). In this study, evidence of statistical association was demonstrated between the use of mobile phones to alert ambulance services in life-threatening situations and improved outcomes for patients.’


‘...The group of three papers demonstrate a new, potentially important modality in the treatment of cancer that could lead to a paradigm shift in disease treatment. I hope that this medical application of AM-EMF will not be allowed languish without funding, as happened with its previous, ill-fated emergence.’

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

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