January 2006

Summary

- **Austria:** In vitro effects of GSM modulated radiofrequency fields on human immune cells, Tuschl et al., *Bioelectromagnetics*, Published Online: 8 December 2005
  
  ‘... No statistically significant effects of exposure were found and there is no indication that emissions from mobile phones are associated with adverse effects on the human immune system.’

  
  ‘...No significant differences in free radical production were detected after RF EMF exposure or in the respective controls, and no additional effects on superoxide radical anion production were detected...we investigated the HSP70 expression level after different RF EMF exposures; no significant effects were detected.’

- **Greece:** Acute mobile phone effects on pre-attentive operation, Papageorgiou et al., *Neuroscience Letters*, Available online 6 January 2006.
  
  ‘...These findings provide evidence that the MP-EMF emitted by mobile phone affect pre-attentive information processing as it is reflected in P50 evoked potential. The basis of such an effect is unclear, although several possibilities exist and call for potential directions of future research.’

Details

**Austria:** In vitro effects of GSM modulated radiofrequency fields on human immune cells, Tuschl et al., *Bioelectromagnetics*, Published Online: 8 December 2005


- **Greece:** Acute mobile phone effects on pre-attentive operation, Papageorgiou et al., *Neuroscience Letters*, Available online 6 January 2006.

‘...The authors found that individuals reporting loud noise exposure from any source were at increased risk for acoustic neuroma (odds ratio (OR) = 1.55, 95% confidence interval (CI): 1.04, 2.30)...The findings of an increased risk of acoustic neuroma with loud noise exposure support previous research.’


‘... In the multivariate analysis, a significantly increased risk of acoustic neuroma was found with the use of analogue phones.’


‘...Change in sleep quality and melatonin excretion was related to the extent of magnetic field reduction after the transmitter’s shut down in poor but not good sleepers. However, blinding of exposure was not possible in this observational study and this may have affected the outcome measurements in a direct or indirect (psychological) way.’


‘...Use of a mobile phone, either in the short or medium term, is not associated with an increased risk of glioma. This is consistent with most but not all published studies. The complementary positive and negative risks associated with ipsilateral and contralateral use of the phone in relation to the side of the tumour might be due to recall bias.’


‘... We conclude that our original interpretation of a non-thermal effect of microwaves cannot be sustained; at least part of the explanation appears to be thermal.’


‘... However, the best evidence currently available suggests that cognitive behavioural therapy is effective for patients who report being hypersensitive to weak EMFs.'

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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. www.gsmworld.com

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