



Recent scientific publications relevant to mobile telephony

June 2010

Details

Australia: Breast cancer risk among female employees of the Australian Broadcasting Corporation in Australia, [Sitas et al., Medical Journal of Australia](#), 192(11):651-654, 7 June 2010.

'...No statistically significant excess risk of breast cancer in ABC female employees was found across the Australian states and territories as a whole compared with their respective population incidences. A statistically significant increased risk of breast cancer was found among ABC female employees in Queensland, consistent with the findings in an earlier report.'

Germany: Indication of cocarcinogenic potential of chronic UMTS-modulated radiofrequency exposure in an ethylnitrosourea mouse model, [Tillmann et al., International Journal of Radiation Biology](#), Posted online: 15 Jun 2010.

'...This pilot study indicates a cocarcinogenic effect of lifelong UMTS exposure (4.8W/m²) in female B6C3F1 descendants subjected to pretreatment with ethylnitrosourea.'

India: Changes in honeybee behaviour and biology under the influence of cellphone radiations, [Sharma et al., Current Science](#), 98(10):1376-1378, 25 May 2010.

'...A significant ($p < 0.05$) decline in colony strength and in the egg laying rate of the queen was observed. The behaviour of exposed foragers was negatively influenced by the exposure...'

Italy: Science and precautionary measures in EMF policy, [Repacholi, IOP Conference Series: Earth and Environmental Science](#), 10(1):012001, 2010.

'...Most countries limiting exposure to EMF fields have adopted those recommended by the World Health Organization (WHO); the guidelines on exposure limits published by the International Commission on Non-Ionizing Radiation Protection (ICNIRP)...'

Sweden: Mobile Phone Use and the Risk for Malignant Brain Tumors: A Case-Control Study on Deceased Cases and Controls, [Hardell et al., Neuroepidemiology](#), 35(2):109-114, June 2010.

'...Use of mobile phones gave an increased risk, highest in the >10 years' latency group yielding odds ratio (OR) = 2.4, and 95% confidence interval (CI) = 1.4-4.1. The risk increased with cumulative number of lifetime hours for use, and was highest in the >2,000 h group (OR = 3.4, 95% CI = 1.6-7.1). No clear association was found for use of cordless phones...'

Sweden: Aspects of studies on the functional impairment electrohypersensitivity, [Johansson, IOP Conference Series: Earth and Environmental Science](#), 10(1):012005, 2010.

'...it is evident from our preliminary data that various alterations are present in the electrohypersensitive persons' skin that are not indicated in the skin of normal healthy volunteers.'

Switzerland: The public's knowledge of mobile communication and its influence on base station siting preferences, [Cousin et al., Health, Risk & Society](#), 12(3):231 - 250, June 2010.

'...Participants had limited knowledge about interaction patterns between cell phones and base stations, and they misjudged the resulting exposure magnitudes. The observed knowledge gaps or misconceptions were related to respondents' preferences regarding base station siting...'

Turkey: The effect of mobile phone on the number of Purkinje cells: A stereological study, [Rağbetli et al., International Journal of Radiation Biology](#), Posted online: 15 Jun 2010.

'...Further studies in this area are needed due to the popular use of mobile telephones and relatively high exposure on developing brain.'

UK: Mobile phone base stations and early childhood cancers: case-control study, [Elliott et al., BMJ](#), Published: 22 June 2010.

'...In summary, we found no association between risk of childhood cancers and mobile phone base station exposures during pregnancy. The results of our study should help to place any future reports of cancer clusters near mobile phone base stations in a wider public health context.'

UK: Electromagnetic Phenomena and Health – A Continuing Controversy?, [Jamieson et al., IOP Conference Series: Earth and Environmental Science](#), 10(1):011001, 2010.

'...It also appears much may be achieved if the possible beneficial health effects of particular types of electromagnetic phenomena, exposure regimes and related factors are investigated more closely and brought into the debate...'

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. <http://www.gsmworld.com/health>

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