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EMF Research Studies

HMDI Editors, 20 January 2011

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Many studies show a connection between exposure to radio frequency (RF) electromagnetic fields (EMFs) and adverse health effects; many do not, preventing across-the-board conclusions about health risks associated with use of wireless technologies such as cellular and cordless phones, WiFi or baby monitors. Below is a(n incomplete) list of studies which demonstrate a nexus between EMF and adverse health effects and/or the development of thermal or non-thermal effects which may lead to health problems.

General:

- Blackman C. Cell phone radiation: Evidence from ELF and RF studies supporting more inclusive risk identification and assessment. *Pathophysiology*. 2009 Aug;16(2-3):205-16. [[Abstract](#)]
- Hallberg ?, Johansson O. [Long-term sickness and mobile phone use](#). *J Aust Coll Nutr & Env Med*. 2004;23:11-12.

- Johansson O. Electrohypersensitivity: State-of-the-art of a functional impairment. *Electromag Biol Med*. 25: 245-258, 2006. [[Abstract](#)]
- Khurana VG, Hardell L, *et al*. Epidemiological evidence for a health risk from mobile phone base stations. *Int J Occup Health*. 2010, July-Sept. 16(3):263-7. [[Abstract](#)]
- Santini R. [Cellular telephones and their relay stations: a health risk? (article in French)] *Presse Med* 1999; 28: 1884-1886. [[Abstract](#)]
- Santini R, Seigne M, *et al*. [Danger of cellular telephones and their relay stations (article in French)]. *Pathol Biol*(Paris) 2000; 48: 525-528. [[Abstract](#)]
- Santini R, Santini P, *et al*. [Investigation on the health of people living near mobile telephone relay stations: I/Incidence according to distance and sex (article in French)]. *Pathol Biol*(Paris) 2002; 50: 369-373. [[Abstract](#)]

Cancer - Studies Linking Exposure to RF Energy to Development of Tumors:

- Balcer-Kubiczek EK, Harrison GH. Evidence for microwave carcinogenesis *in vitro*. *Carcinogenesis*, 6;859, 1985. [[Abstract](#)]
- Hardell L, Mild K H, *et al*. Ionizing radiation, cellular telephones and the risk for brain tumours. *Eur J Cancer Prev* 2001; 10: 523-529. [[Abstract](#)]
- Hardell L, Hallquist A, *et al*. Cellular and cordless telephones and the risk for brain tumours. *Eur J Cancer Prev* 2002; 11: 377-386. [[Abstract](#)]
- Hardell L, Mild KH, Carlberg M. Case-control study on the use of cellular and cordless phones and the risk for malignant brain tumours. *Int J Radiat Biol* 2002; 78: 931-936. [[Abstract](#)]
- Hardell L, Carlberg M, *et al*. [Long-term use of cellular phones and brain tumours: Increased risk associated with use > 10 years](#). *Occup Environ Med*. 2007 September; 64(9):626-632.
- Hardell L, Nasman A, *et al*. Case-control study on radiology work, medical x-ray investigations, and use of cellular telephones as risk factors for brain tumors. *MedGenMed* 2000 May 4;2(2):E2. [[Abstract](#)]
- Interphone Study Group. [Brain tumour risk in relation to mobile telephone use: results of the INTERPHONE international case control study](#). *Int J Epidemiol*, 2010 June;39(3):695-8.
- L?nn S, Ahlbom A, *et al*. Mobile phone use and the risk of acoustic neuroma. *Epidemiology* 15: 653-659, 2004. [[Abstract](#)]
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