

# 10 out of 14 peer-reviewed studies on base stations found significant increases in symptoms and conform to WHO standards of scientific quality

**10 out of 14 peer-reviewed studies both found significant increases in the symptoms being analysed, and conformed to the specified WHO / ICNIRP standards of scientific quality, including their assessment criteria of consistency and replication.** This review about studies on base stations will appear in a special issue of Pathophysiology. Included are only those studies that are about base station exposures and not those that used mobile phone radiation patterns but exposed in the far field. Therefore some studies that could in principle be included because they studied far field exposure are not among those considered in this review (presented by Dr Michael Kundi on Sept 23, 2008 at the London EMF International Conference).

1. **R. Santini**, P. Santini, J.M. Danze, P. Le Ruz, M. Seigne, Enquête sur la santé de riverains de stations relais de téléphonie mobile : I/Incidences de la distance et du sexe. *Pathol Biol (Paris)* 50 (2002) 369-373.
2. **R. Santini**, P. Santini, J.M. Danze, P. Le Ruz, M. Seigne, Enquête sur la santé de riverains de stations relais de téléphonie mobile : II/ Incidences de l'âge des sujets, de la durée de leur exposition et de leur position par rapport aux antennes et autres sources électromagnétiques. *Pathol Biol (Paris)* 51 (2003) 412-415.
3. **M. Blettner**, B. Schlehofer, J. Breckenkamp, B. Kowall, S. Schmiedel, U. Reis, P. Potthoff, J. Schüz, G. Berg-Beckhoff, **Querschnittstudie zur Erfassung und Bewertung möglicher gesundheitlicher Beeinträchtigungen durch die Felder von Mobilfunkbasisstationen.** *BfS* (2007).
4. **E.A. Navarro**, J. Segura, M. Portoles, C. Gomez-Perretta de Mateo, The microwave syndrome: a preliminary study in Spain. *Electromagnetic Biol Med* 22 (2003) 161-169.
5. **H-P. Hutter**, H. Moshhammer, P. Wallner, M. **Kundi**, Subjective symptoms, sleeping problems, and cognitive performance in subjects living near mobile phone base stations. *Occup Environ Med* 63 (2006) 307\_313.
6. **G. Abdel-Rassoul**, O. Abou El-Fateh, M. Abou Salem, A. Michael, F. Farahat, M. El-Batanouny, E. Salem, Neurobehavioral effects among inhabitants around mobile phone base stations. *Neurotoxicology* 28(2) (2006) 434-440.
7. **S. Heinrich**, A. Ossig, S. Schlittmeier, J. Hellbrück, Elektromagnetische Felder einer UMTS-Mobilfunkbasisstation und mögliche Auswirkungen auf die Befindlichkeit : eine experimentelle Felduntersuchung. *Umwelt Med Forsch Prax* 12 (2007) 171\_180.
8. **S. Thomas**, A. Kühnlein, S. Heinrich, G. Praml, D. Nowak, R. von Kries, K. Radon, Personal exposure to mobile phone frequencies and well-being in adults: a cross-sectional study based on dosimetry. *Bioelectromagnetics* 29 (2008) 463-470.
9. **K. Radon**, H. Spegel, N. Meyer, J. Klein, J. Brix, A. Wiedenhofer, H. Eder, G. Praml, A. Schulze, V. Ehrenstein, R. von Kries, D. Nowak, Personal dosimetry of exposure to mobile telephone base stations? An epidemiologic feasibility study comparing the Maschek dosimeter prototype and the Antennessa SP-090 system. *Bioelectromagnetics* 27 (2006) 77-81.
10. **H. Eger**, K.U. Hagen, B. Lucas, P. Vogel, H. Voit, Einfluss der räumlichen Nähe von Mobilfunksendeanlagen auf die Krebsinzidenz. *Umwelt-Medizin-Gesellschaft* 17 (2004) 273-356.
11. **R. Wolf**, D. Wolf, Increased incidence of cancer near a cellphone transmitter station. *Int J Cancer Prev* 1 (2004) 123-128.
12. **A.P.M. Zwamborn**, S.H.J.A. Vossen, B.J.A.M. van Leersum, M.A. Ouwens, W.N. Mäkel, Effects of Global Communication System Radio-Frequency Fields on Well being and Cognitive Functions of Human Subjects with and without Subjective Complaints. FEL-03-C148. The Hague, the Netherlands:TNO, 2003.
13. **S.J. Regel**, S. Negovetic, M. Rössli, V. Berdinas, J. Schuderer, A. Huss, U. Lott, N. Kuster, P. **Achermann**, UMTS base station like exposure, well being and cognitive performance. *Environ Health Perspect* 114 (2006) 1270\_1275.
14. **S. Eltiti**, D. Wallace, A. Ridgewell, K. Zougkou, R. Russo, F. Sepulveda, D. Mirshekar-Syahkal, P. Rasor, R. Deeble, E. Fox, Does short-term exposure to mobile phone base station signals increase symptoms in individuals who report sensitivity to electromagnetic fields? A double-blind randomised provocation study. *Environ Health Perspect* 115 (2007) 1603\_1608.

**FEASABILITY STUDY: 1**

**NO SIGNIFIANT SYMPTOMS: 3**

**SIGNIFICANT SYMPTOMS: 10**