

Publications Lennart Hardell

Hardell L, Näsman Å, Pålsson A, Hallquist A, Hansson Mild K. Use of cellular telephones and the risk for brain tumours: A case-control study. *Int J Oncology* 1999;15:113-116.

Hardell L, Hallquist A, Hansson Mild K, Carlberg M, Pålsson A, Lilja A. Cellular and cordless telephones and the risk for brain tumors. *Eur J Cancer Prev* 2002;11:377-386.

Hardell L, Hansson Mild K, 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.

Hardell L, Hansson Mild K, Carlberg M, Hallquist A, Pålsson A. Vestibular schwannoma, tinnitus and cellular telephones. *Neuroepidemiology* 2003; 22: 124-129.

Hardell L, Hansson Mild K, Carlberg M, Hallquist A. Cellular and cordless telephones and the association with brain tumors in different age groups. *Arch Env Health* 2004;59(3):132-137.

Hardell L, Carlberg M, Hansson Mild K. Use of cellular telephones and brain tumour risk in urban and rural areas. *Occup Env Med* 2005;62:390-394.

Hansson Mild K, Hardell L, Carlberg M, Wilén J. How to combine the use of different mobile and cordless telephones in epidemiological studies? *Eur J Cancer Prev* 2005;14:285-288.

Hardell L, Eriksson M, Carlberg M, Sundström C, Hansson Mild K. Use of cellular and cordless telephones and the risk for non-Hodgkin's lymphoma. *Int Arch of Env Health* 2005; 78: 625-632.

Hardell L, Carlberg M, Ohlson CG, Westberg H, Eriksson M, Hansson Mild K. Use of cellular and cordless telephones and risk of testicular cancer. *Int J Androl.* 2007; 30: 115-122.

Hardell L, Carlberg M, Söderqvist F, Hansson Mild K, Morgan LL: Long-term use of cellular phones and brain tumours – increased risk associated with use for ≥ 10 years. *Occup Env Med* 2007;64:626-632. doi 10.1136/oem.2006.029751

Hardell L, Carlberg M, Söderqvist F, Hansson Mild K. Meta-analysis of long-term mobile phone use and the association with brain tumours. *Int J Oncol* 2008;32:1097-1103.

Hardell L, Carlberg M, Hansson Mild K. Methodological aspects of epidemiological studies on the use of mobile phones and their association with brain tumors. *Open Environmental Sciences* 2008;2:54-61.

Khurana VG, Teo C, Kundi M, Hardell L. Cellphones and brain tumors: A brief review of the long-term epidemiologic data. *J Surg Neurol* 2009. doi:10.1016/j.surneu.2009.01.019.

Hardell L, Carlberg M, Söderqvist F, Hansson Mild K. Re: Time trends in brain tumor incidence rates in Denmark, Finland, Norway, and Sweden, 1974-2003. *JNCI* 2010;102(10):740-741.

- Hardell L, Carlberg M, Hansson Mild K. Mobile phone use and the risk for malignant brain tumors – a case-control study on deceased cases and controls. *Neuroepidemiology* 2010;35(2):109-114.
- Khurana VG, Hardell L, Everaert J, Bortkiewicz A, Carlberg M, Ahonen M. Epidemiological evidence for health risks from mobile phone base stations. *Int J Env Occup Health* 2010;16(39):263-267.
- Hardell L, Söderqvist F, Carlberg M, Zetterberg H, Hansson Mild K. Exposure to wireless phone emissions and serum β -trace protein. *Int J Mol Med* 2010(2);26:301-306.
- Hardell L, Carlberg M, Hansson Mild K. Pooled analysis of case-control studies on malignant brain tumours and the use of mobile and cordless phones including living and deceased subjects. *Int J Oncol* 2011;38(5):1465-1474.
- Hardell L, Carlberg M, Hansson Mild K, Eriksson M. Case-control study on the use of mobile and cordless phones and the risk for malignant melanoma in the head and neck region. *Pathophysiology*. 2011;18(4):325-333.
- Söderqvist F, Carlberg M, Hardell L. Review of four publications on the Danish cohort study on mobile phone subscribers and risk of brain tumours. *Rev Environ Health*. 2012;27(1):51-58.
- Hardell L, Carlberg M, Gee D. Mobile phone use and brain tumour risk: early warnings, early actions? In: *Late Lessons from Early Warnings, part 2*. European Environment Agency, Copenhagen, Denmark. Available on line 23 January, 2013 (http://www.eea.europa.eu/acl_users/credentials_cookie_auth/login_form?came_from=http%3A//www.eea.europa.eu/publications/late-lessons-2).
- Hardell L, Carlberg M, Söderqvist F, Hansson Mild K. Pooled analysis of case-control studies on acoustic neuroma diagnosed 1997-2003 and 2007-2009 and use of mobile and cordless phones. *Int J Oncol*. 2013;43(4):1036-1044.
- Hardell L, Carlberg M. Using the Hill viewpoints from 1965 for evaluating strengths of evidence of the risk for brain tumors associated with use of mobile and cordless phones. *Rev Environ Health* 2013;28(2-3):97-106.
- Carlberg M, Hardell L. Decreased survival of glioma patients with astrocytoma grade IV (glioblastoma multiforme) associated with long-term use of mobile and cordless phones. *Int. J. Environ. Res. Public Health* 2014, 11, 10790–10805.
- Hardell L, Carlberg M. Mobile phone and cordless phone use and the risk for glioma – Analysis of pooled case-control studies in Sweden, 1997-2003 and 2007-2009. *Pathophysiology*. 2015;22(1):1-13.
- Carlberg M, Hardell L. Pooled analysis of Swedish case-control studies during 1997-2003 and 2007-2009 on meningioma risk associated with the use of mobile and cordless phones. *Oncol Rep*. 2015;33(6):3093-3098.

Hardell L, Carlberg M. Increasing rates of brain tumours in the Swedish national inpatient register and the causes of death register. *Int J Environ Res Public Health*. 2015;12(4):3793-37813.

Carlberg M, Hedendahl L, Ahonen M, Koppel T, Hardell L. Increasing incidence of thyroid cancer in the Nordic countries with main focus on Swedish data. *BMC Cancer*. 2016 Jul 7;16:426.

Carlberg M, Hardell L. Evaluation of mobile phone and cordless phone use and glioma risk using the Bradford Hill viewpoints from 1965 on association or causation. *Biomed Res Int*. 2017;2017:9218486.

Hardell L, Carlberg M, Koppel T, Hedendahl L. High radiofrequency radiation at Stockholm Old Town: An exposimeter study including the Royal Castle, Supreme Court, three major squares and the Swedish Parliament. *Mol Clin Oncol*. 2017 Apr;6(4):462-476.

Hardell L, Carlberg M. Mobile phones, cordless phones and rates of brain tumors in different age groups in the Swedish National Inpatient Register and the Swedish Cancer Register during 1998-2015. *PLoS One*. 2017 Oct 4;12(10):e0185461.

Hedendahl LK, Carlberg M, Koppel T, Hardell L. Measurements of Radiofrequency Radiation with a Body-Borne Exposimeter in Swedish Schools with Wi-Fi. *Front Public Health*. 2017 Nov 20;5:279.

Hardell L. World Health Organization, radiofrequency radiation and health - a hard nut to crack (Review). *Int J Oncol* 2017, 51, 405–413.

Hardell L, Carlberg M, Hedendahl LK. Radiofrequency radiation from nearby base stations gives high levels in an apartment in Stockholm, Sweden: A case report. *Oncol Lett*. 2018;15(5):7871-7883.

Carlberg M, Hedendahl LK, Koppel T, Hardell L. High ambient radiofrequency radiation in Stockholm city, Sweden. *Oncol Lett* 2019; 17: 1777-1783.

Koppel T, Ahonen M, Carlberg M, Hedendahl LK, Hardell L. Radiofrequency radiation from nearby mobile phone base stations-a case comparison of one low and one high exposure apartment. *Oncol Lett*. 2019;18(5):5383-5391. DOI: 10.3892/ol.2019.10899

Hardell L, Carlberg M, Hedendahl LK, Koppel M, Ahonen M. Environmental radiofrequency radiation at the Järntorget Square in Stockholm Old Town, Sweden in May, 2018 compared with results on brain and heart tumour risks in rats exposed to 1.8 GHz base station environmental emissions. *World Academy of Sciences Journal* 2019; 1: 47-54.

Carlberg M, Hedendahl L, Koppel T, Hardell L. High ambient radiofrequency radiation in Stockholm city, Sweden. *Oncol Lett*. 2019;17(2):1777-1783. DOI: 10.3892/ol.2018.9789.-

Hardell L, Carlberg M. Comments on the US National Toxicology Program technical reports on toxicology and carcinogenesis study in rats exposed to whole-body radiofrequency

radiation at 900 MHz and in mice exposed to whole-body radiofrequency radiation at 1,900 MHz. *Int J Oncol.* 2019;54(1):111-127. DOI: 10.3892/ijo.2018.4606.

Hardell L, Nyberg R. Appeals that matter or not on a moratorium on the deployment of the fifth generation, 5G, for microwave radiation. *Mol Clin Oncol.* 2020;12(3):247-257

Hardell L, Carlberg M. Health risks from radiofrequency radiation, including 5G, should be assessed by experts with no conflicts of interest. *Oncol Lett.* 2020 Oct;20(4):15. doi: Had10.3892/ol.2020.11876.

Carlberg M, Koppel T, Hedendahl LK, Hardell L. Is the Increasing Incidence of Thyroid Cancer in the Nordic Countries Caused by Use of Mobile Phones? *Int. J. Environ. Res. Public Health* 2020, 17, 9129; doi:10.3390/ijerph17239129

Hardell L, Nilsson M, Koppel T, Carlberg M. Aspects on the International Commission on Non-Ionizing Radiation Protection (ICNIRP) 2020 guidelines on radiofrequency radiation. *J Cancer Sci Clin Ther* 2021;5:250-283.

Hardell L, Carlberg M. Lost opportunities for cancer prevention: historical evidence on early warnings with emphasis on radiofrequency radiation. *Rev Environ Health.* 2021; 36: 585-597. doi: 10.1515/reveh-2020-0168.

Koppel T, Ahonen M, Carlberg M, Hardell L. Very high radiofrequency radiation at Skeppsbron in Stockholm, Sweden from mobile phone base station antennas positioned close to pedestrians' heads. *Environ Res.* 2022;208:112627. doi: 10.1016/j.envres.2021.112627

Koppel T, Hardell L. Measurements of radiofrequency electromagnetic fields, including 5G, in the city of Columbia, SC, USA. *World Acad Sci J* 2022; 4:23

Hardell L, Moskowitz JM. A critical analysis of the MOBI-Kids study of wireless phone use in childhood and adolescence and brain tumor risk. *Rev Environ Health.* 2022 May 5. doi: 10.1515/reveh-2022-0040.

International Commission on the Biological Effects of Electromagnetic Fields (ICBE-EMF). *Environ Health* 2022; 21:92. <https://doi.org/10.1186/s12940-022-00900-9>

Nyberg NR, McCredden JE, Weller SG, Hardell L. The European Union prioritises economics over health in the rollout of radiofrequency technologies. *Rev Env Health* 2022 Sept 22. <https://doi.org/10.1515/reveh-2022-0106>

Hardell L, Nilsson M. Case Report: The microwave syndrome after installation of 5G emphasizes the need for protection from radiofrequency radiation. *Ann Case Report* 2023;8:1112. DOI: 10.29011/2574-7754.101112

Hardell L, Nilsson M. Case Report: A 52-year healthy woman developed severe microwave syndrome shortly after installation of a 5G base station close to her apartment. *Ann Clin Med Case Rep.* 2023;10(16):1-10.

Nilsson M, Hardell L. Development of the microwave syndrome in two men shortly after installation of 5G on the roof above their office. *Ann Clin Case Rep.* 2023; 8. 2023;2378

Nilsson M, Hardell L. 5G Radiofrequency radiation caused the microwave syndrome in a family living close to the base stations. *J Cancer Sci Clin Ther.* 2023;7: 127-134.

Hardell L, Nilsson M. Very high radiofrequency (RF) radiation at Skeppsbron in the Old Town in Stockholm, Sweden. *Ann Clin Med Case Rep.* 2023; 10(23): 1-7.