Vetenskapliga studier om biologiska effekter från exponering av strålning

Denna lista är hämtad från Powerwatch, en ideell organisation i Storbritannien som sedan 20 år tillbaka samlar in information om elektromagnetiska fält (EMF) och presenterar den på ett sätt så att vanliga människor kan förstå. Denna sammanställning visar tydligt att det sedan flera decennier tillbaka finns ett stor mängd vetenskapliga studier som funnit biologiska effekter från exponering av strålning.

Källa: http://powerwatch.org.uk/science/studies.asp
Nedladdningsdatum: 2011-03-10

Innehåll

Symboler

P = en studie som har funnit biologiska effekter från exponering av strålning.

N = en studie som inte har funnit biologiska effekter från exponering av strålning.

– = en studie som har inneburit viktiga nya insikter eller upptäckter men som varken har kommit fram till ett positivt eller negativt forskningsresultat.

Mobiltelefoner och trådlösa telefoner

Sammanfattning

Antal studier i denna avdelning: 342 st

P 207 st / 60,5 % N 70 st / 20,5 % – 65 st / 19 %

2011

N **Kumar G et al,** (februari 2011) Evaluation of hematopoietic system effects after in vitro radiofrequency radiation exposure in rats, Int J Radiat Biol. 2011 Feb;87(2):231-40. Epub 2010 Nov 4.

N **Paulraj R, Behari J,** (februari 2011) Effects of low level microwave radiation on carcinogenesis in Swiss Albino mice, Mol Cell Biochem. 2011 Feb;348(1-2):191-7. Epub 2010 Nov 18.

P **Lowden A et al,** (januari 2011) Sleep after mobile phone exposure in subjects with mobile phone-related symptoms, Bioelectromagnetics. 2011 Jan;32(1):4-14.

2010

P **Divan H et al,** (december 2010) Cell phone use and behavioural problems in young children, J Epidemiol Community Health (2010). doi:10.1136/jech.2010.115402.

N **Bourthoumieu S et al,** (december 2010) Cytogenetic studies in human cells exposed in vitro to GSM-900 MHz radiofrequency radiation using R-banded karyotyping, Radiat Res. 2010 Dec;174(6):712-8. Epub 2010 Sep 20.

P **Esmekaya MA et al,** (december 2010) Pulse modulated 900 MHz radiation induces hypothyroidism and apoptosis in thyroid cells: a light, electron microscopy and immunohistochemical study, Int J Radiat Biol. 2010 Dec;86(12):1106-16. Epub 2010 Sep 1.

P **Grigoriev YG et al,** (december 2010) Confirmation studies of Soviet research on immunological effects of microwaves: Russian immunology results, Bioelectromagnetics. 2010 Dec;31(8):589-602. doi: 10.1002/bem.20605. Epub 2010 Sep 20.

– **Pacey AA et al,** (december 2010) Environmental and lifestyle factors associated with sperm DNA damage, Hum Fertil (Camb). 2010 Dec;13(4):189-93.

– **Thomas S et al,** (december 2010) Use of mobile phones and changes in cognitive function in adolescents, Occup Environ Med. 2010 Dec;67(12):861-6. Epub 2010 Aug 25.

– **Olsen J,** (november 2010) The interphone study: Brain cancer and beyond, Bioelectromagnetics. 2010 Nov 30.

N **Heinrich S et al,** (november 2010) Association between exposure to radiofrequency electromagnetic fields assessed by dosimetry and acute symptoms in children and adolescents: a population based cross-sectional study, Environ Health. 2010 Nov 25;9:75.

– **Cooke R et al,** (november 2010) A case-control study of risk of leukaemia in relation to mobile phone use, Br J Cancer. 2010 Nov 23;103(11):1729-35. Epub 2010 Oct 12.

N **de Gannes FP et al,** (november 2010) Effect of Exposure to the Edge Signal on Oxidative Stress in Brain Cell Models, Radiat Res. 2010 Nov 22.

– **Dubey RB et al,** (november 2010) Risk of brain tumors from wireless phone use, J Comput Assist Tomogr. 2010 Nov-Dec;34(6):799-807.

N **Inskip PD et al,** (november 2010) Brain cancer incidence trends in relation to cellular telephone use in the United States, Neuro Oncol. 2010 Nov;12(11):1147-51. Epub 2010 Jul 16.

P **Ozgur E et al,** (november 2010) Mobile phone radiation-induced free radical damage in the liver is inhibited by the antioxidants N-acetyl cysteine and epigallocatechin-gallate, Int J Radiat Biol. 2010 Nov;86(11):935-45. Epub 2010 Sep 1.

N **Lee KY et al,** (oktober 2010) Effects of combined radiofrequency radiation exposure on the cell cycle and its regulatory proteins, Bioelectromagnetics. 2010 Oct 28.

– **Joseph W et al,** (oktober 2010) Comparison of personal radio frequency electromagnetic field exposure in different urban areas across Europe, Environ Res. 2010 Oct;110(7):658-63.

– **Kheifets L et al,** (oktober 2010) Risk governance for mobile phones, power lines, and other EMF technologies, Risk Anal. 2010 Oct;30(10):1481-94.

N **Kowalczuk C et al,** (oktober 2010) Absence of nonlinear responses in cells and tissues exposed to RF energy at mobile phone frequencies using a doubly resonant cavity, Bioelectromagnetics. 2010 Oct;31(7):556-65.

N **Lee HJ et al,** (oktober 2010) The lack of histological changes of CDMA cellular phone-based radio frequency on rat testis, Bioelectromagnetics. 2010 Oct;31(7):528-34.

N **Bourthoumieu S et al,** (september 2010) Cytogenetic Studies in Human Cells Exposed In Vitro to GSM-900 MHz Radiofrequency Radiation Using R-Banded Karyotyping, Radiat Res. 2010 Sep 20.

– **McIntosh RL, Anderson V,** (september 2010) SAR versus S(inc): What is the appropriate RF exposure metric in the range 1-10 GHz? Part II: Using complex human body models, Bioelectromagnetics. 2010 Sep;31(6):467-78.

– **Schuz J et al,** (augusti 2010) An international prospective cohort study of mobile phone users and health (Cosmos): Design considerations and enrolment, Cancer Epidemiol. 2010 Aug 30.

P **Hardell L et al,** (augusti 2010) Mobile phone use and the risk for malignant brain tumors: a case-control study on deceased cases and controls, Neuroepidemiology. 2010 Aug;35(2):109-14. Epub 2010 Jun 15.

N **O'Connor RP et al,** (juli 2010) Exposure to GSM RF fields does not affect calcium homeostasis in human endothelial cells, rat pheocromocytoma cells or rat hippocampal neurons, PLoS One. 2010 Jul 27;5(7):e11828.

P **Khurana VG et al,** (juli 2010) Epidemiological evidence for a health risk from mobile phone base stations, Int J Occup Environ Health. 2010 Jul-Sep;16(3):263-7.

P **Ragbetli MC et al,** (juli 2010) The effect of mobile phone on the number of Purkinje cells: a stereological study, Int J Radiat Biol. 2010 Jul;86(7):548-54.

P **Yakymenko I, Sidorik E,** (juli 2010) Risks of carcinogenesis from electromagnetic radiation of mobile telephony devices, Exp Oncol. 2010 Jul;32(2):54-60.

P **Maskey D et al,** (juli 2010) Chronic 835-MHz radiofrequency exposure to mice hippocampus alters the distribution of calbindin and GFAP immunoreactivity, Brain Res. 2010 Jul 30;1346:237-46. Epub 2010 Jun 17.

– **Stam R,** (juni 2010) Electromagnetic fields and the blood-brain barrier, Brain Res Rev. 2010 Oct 5;65(1):80-97. Epub 2010 Jun 13.

N **Dimida A et al,** (juni 2010) Electric and magnetic fields do not modify the biochemical properties of frtl-5 cells, J Endocrinol Invest. 2010 Jun 11.

P **Lehrer S et al,** (juni 2010) Association between number of cell phone contracts and brain tumor incidence in nineteen U.S. States, J Neurooncol. 2010 Jun 30.

N **Bartsch H et al,** (2010) Effect of chronic exposure to a GSM-like signal (mobile phone) on survival of female Sprague-Dawley rats: modulatory effects by month of birth and possibly stage of the solar cycle, Neuro Endocrinol Lett. 2010;31(4):457-73.

P **Bartsch H et al,** (2010) Effect of chronic exposure to a GSM-like signal (mobile phone) on survival of female Sprague-Dawley rats: modulatory effects by month of birth and possibly stage of the solar cycle, Neuro Endocrinol Lett. 2010;31(4):457-73.

– **Cardis E et al,** (juni 2010) Brain tumour risk in relation to mobile telephone use: results of the INTERPHONE international case-control study, Int J Epidemiol. 2010 Jun;39(3):675-94. Epub 2010 May 17.

– **Saracci R, Samet J,** (juni 2010) Commentary: Call me on my mobile phone..or better not?--a look at the INTERPHONE study results, Int J Epidemiol. 2010 Jun;39(3):695-8. Epub 2010 May 17.

P **Soderqvist F et al,** (2010) Radiofrequency fields, transthyretin, and Alzheimer's disease, J Alzheimers Dis. 2010;20(2):599-606.

– **van Kleef E et al,** (juni 2010) Risk and benefit perceptions of mobile phone and base station technology in Bangladesh, Risk Anal. 2010 Jun;30(6):1002-15. Epub 2010 Apr 8.

N **Yildirim MS et al,** (2010) Effect of mobile phone station on micronucleus frequency and chromosomal aberrations in human blood cells, Genet Couns. 2010;21(2):243-51.

– **Joseph W et al,** (maj 2010) Estimation of whole-body SAR from electromagnetic fields using personal exposure meters, Bioelectromagnetics. 2010 May;31(4):286-95.

P **Narayanan SN et al,** (maj 2010) Effect of radio-frequency electromagnetic radiations (RF-EMR) on passive avoidance behaviour and hippocampal morphology in Wistar rats, Ups J Med Sci. 2010 May;115(2):91-6.

P **Panagopoulos DJ, Margaritis LH,** (maj 2010) The identification of an intensity 'window' on the bioeffects of mobile telephony radiation, Int J Radiat Biol. 2010 May;86(5):358-66.

P **Vorobyov V et al,** (maj 2010) Repeated exposure to low-level extremely low frequency-modulated microwaves affects cortex-hypothalamus interplay in freely moving rats: EEG study, Int J Radiat Biol. 2010 May;86(5):376-83.

P **Yu Y, Yao K,** (maj 2010) Non-thermal cellular effects of lowpower microwave radiation on the lens and lens epithelial cells, J Int Med Res. 2010 May-Jun;38(3):729-36.

– **Redmayne M et al,** (april 2010) Cordless telephone use: implications for mobile phone research, J Environ Monit. 2010 Apr 9;12(4):809-12. Epub 2010 Feb 2.

– **Tomitsch J et al,** (april 2010) Survey of electromagnetic field exposure in bedrooms of residences in lower Austria, Bioelectromagnetics. 2010 Apr;31(3):200-8.

N **Sekijima M et al,** (mars 2010) 2-GHz band CW and W-CDMA modulated radiofrequency fields have no significant effect on cell proliferation and gene expression profile in human cells, J Radiat Res (Tokyo). 2010;51(3):277-84. Epub 2010 Mar 9.

P **Falzone N et al,** (mars 2010) The effect of pulsed 900-MHz GSM mobile phone radiation on the acrosome reaction, head morphometry and zona binding of human spermatozoa, Int J Androl. 2010 Mar 7.

– **Christ A et al,** (april 2010) Age-dependent tissue-specific exposure of cell phone users, Phys Med Biol. 2010 Apr 7;55(7):1767-83. Epub 2010 Mar 5.

P **Guler G et al,** (mars 2010) The effect of radiofrequency radiation on DNA and lipid damage in non-pregnant and pregnant rabbits and their newborns, Gen Physiol Biophys. 2010 Mar;29(1):59-66.

P **Carpenter DO et al,** (januari 2010) Electromagnetic fields and cancer: the cost of doing nothing, Rev Environ Health. 2010 Jan-Mar;25(1):75-80.

P **Panda NK et al,** (februari 2010) Audiologic disturbances in long-term mobile phone users, J Otolaryngol Head Neck Surg. 2010 Feb 1;39(1):5-11.

P **Carrubba S et al,** (januari 2010) Mobile-phone pulse triggers evoked potentials, Neurosci Lett. 2010 Jan 18;469(1):164-8. Epub 2009 Dec 4.

P **Arendash GW et al,** (januari 2010) Electromagnetic field treatment protects against and reverses cognitive impairment in Alzheimer's disease mice, J Alzheimers Dis. 2010 Jan;19(1):191-210.

– **Johansson A et al,** (januari 2010) Symptoms, personality traits, and stress in people with mobile phone-related symptoms and electromagnetic hypersensitivity, J Psychosom Res. 2010 Jan;68(1):37-45.

2009

– **Deltour I et al,** (december 2009) Time trends in brain tumor incidence rates in Denmark, Finland, Norway, and Sweden, 1974-2003, J Natl Cancer Inst. 2009 Dec 16;101(24):1721-4.

P **Maskey D et al,** (februari 2010) Effect of 835 MHz radiofrequency radiation exposure on calcium binding proteins in the hippocampus of the mouse brain, Brain Res. 2010 Feb 8;1313:232-41. Epub 2009 Dec 5.

P **Thomas S et al,** (februari 2010) Exposure to radio-frequency electromagnetic fields and behavioural problems in Bavarian children and adolescents, Eur J Epidemiol. 2010 Feb;25(2):135-41. Epub 2009 Dec 4.

– **Inyang I et al,** (december 2009) A new method to determine laterality of mobile telephone use in adolescents, Occup Environ Med. 2009 Dec 2.

P **Fragopoulou AF et al,** (juni 2010) Whole body exposure with GSM 900MHz affects spatial memory in mice, Pathophysiology. 2010 Jun;17(3):179-187. Epub 2009 Dec 1.

P **Perez-Castejon C et al,** (december 2009) Exposure to ELF-pulse modulated X band microwaves increases in vitro human astrocytoma cell proliferation, Histol Histopathol. 2009 Dec;24(12):1551-61.

P **Salama N et al,** (december 2009) The mobile phone decreases fructose but not citrate in rabbit semen: a longitudinal study, Syst Biol Reprod Med. 2009 Dec;55(5-6):181-7.

P **Salama N et al,** (mars 2010) Effects of exposure to a mobile phone on sexual behavior in adult male rabbit: an observational study, Int J Impot Res. 2010 Mar;22(2):127-33. Epub 2009 Nov 26.

N **de Gannes FP et al,** (november 2009) A confirmation study of Russian and Ukrainian data on effects of 2450 MHz microwave exposure on immunological processes and teratology in rats, Radiat Res. 2009 Nov;172(5):617-24.

N **Hansteen IL et al,** (november 2009) Cytogenetic effects of exposure to 2.3 GHz radiofrequency radiation on human lymphocytes in vitro, Anticancer Res. 2009 Nov;29(11):4323-30.

N **Lee HJ et al,** (november 2009) Lack of teratogenicity after combined exposure of pregnant mice to CDMA and WCDMA radiofrequency electromagnetic fields, Radiat Res. 2009 Nov;172(5):648-52.

P **Xu S et al,** (oktober 2009) Exposure to 1800 MHz radiofrequency radiation induces oxidative damage to mitochondrial DNA in primary cultured neurons, Brain Res. 2010 Jan 22;1311:189-96. Epub 2009 Oct 30.

P **de Tommaso M et al,** (oktober 2009) Mobile phones exposure induces changes of contingent negative variation in humans, Neurosci Lett. 2009 Oct 23;464(2):79-83. Epub 2009 Aug 21.

P **Belyaev I et al,** (oktober 2009) Microwaves from Mobile Phones Inhibit 53BP1 Focus Formation in Human Stem Cells Stronger than in Differentiated Cells: Possible Mechanistic Link to Cancer Risk, Environ Health Perspect. 2009 Oct 22.

P **Myung SK et al,** (november 2009) Mobile phone use and risk of tumors: a meta-analysis, J Clin Oncol. 2009 Nov 20;27(33):5565-72. Epub 2009 Oct 13.

P **Zhijian C et al,** (januari 2010) Impact of 1.8-GHz radiofrequency radiation (RFR) on DNA damage and repair induced by doxorubicin in human B-cell lymphoblastoid cells, Mutat Res. 2010 Jan;695(1-2):16-21. Epub 2009 Oct 13.

P **Otitoloju AA et al,** (oktober 2009) Preliminary study on the induction of sperm head abnormalities in mice, Mus musculus, exposed to radiofrequency radiations from global system for mobile communication base stations, Bull Environ Contam Toxicol. 2010 Jan;84(1):51-4. Epub 2009 Oct 9.

– **Wake K et al,** (oktober 2009) The estimation of 3D SAR distributions in the human head from mobile phone compliance testing data for epidemiological studies, Phys Med Biol. 2009 Oct 7;54(19):5695-706. Epub 2009 Sep 1.

N **Brescia F et al,** (oktober 2009) Reactive oxygen species formation is not enhanced by exposure to UMTS 1950 MHz radiation and co-exposure to ferrous ions in Jurkat cells, Bioelectromagnetics. 2009 Oct;30(7):525-35.

P **Del Vecchio G et al,** (oktober 2009) Effect of radiofrequency electromagnetic field exposure on in vitro models of neurodegenerative disease, Bioelectromagnetics. 2009 Oct;30(7):564-72.

P **Desai NR et al,** (oktober 2009) Pathophysiology of cell phone radiation: oxidative stress and carcinogenesis with focus on male reproductive system, Reprod Biol Endocrinol. 2009 Oct 22;7:114.

N **van Rongen E et al,** (oktober 2009) Effects of radiofrequency electromagnetic fields on the human nervous system, J Toxicol Environ Health B Crit Rev. 2009 Oct;12(8):572-97.

P **Goldwein O, Aframian DJ,** (september 2009) The influence of handheld mobile phones on human parotid gland secretion, Oral Dis. 2009 Sep 8.

N **Ahlbom A et al,** (september 2009) Epidemiologic evidence on mobile phones and tumor risk: a review, Epidemiology. 2009 Sep;20(5):639-52.

– **McNamee JP, Chauhan V.,** (september 2009) Radiofrequency radiation and gene/protein expression: a review, Radiat Res. 2009 Sep;172(3):265-87.

P **Soderqvist F et al,** (augusti 2009) Exposure to an 890-MHz mobile phone-like signal and serum levels of S100B and transthyretin in volunteers, Toxicol Lett. 2009 Aug 25;189(1):63-6. Epub 2009 May 7.

P **Sharma VP et al,** (oktober 2009) Mobile phone radiation inhibits Vigna radiata (mung bean) root growth by inducing oxidative stress, Sci Total Environ. 2009 Oct 15;407(21):5543-7. Epub 2009 Aug 13.

P **Viel JF et al,** (augusti 2009) Radiofrequency exposure in the French general population: band, time, location and activity variability, Environ Int. 2009 Nov;35(8):1150-4. Epub 2009 Aug 4.

P **Contalbrigo L et al,** (augusti 2009) Effects of different electromagnetic fields on circadian rhythms of some haematochemical parameters in rats, Biomed Environ Sci. 2009 Aug;22(4):348-53.

– **Frei P et al,** (augusti 2009) Temporal and spatial variability of personal exposure to radio frequency electromagnetic fields, Environ Res. 2009 Aug;109(6):779-85. Epub 2009 May 23.

P **De Iuliis GN et al,** (juli 2009) Mobile phone radiation induces reactive oxygen species production and DNA damage in human spermatozoa in vitro, PLoS One. 2009 Jul 31;4(7):e6446.

N **Hirose H et al,** (juli 2009) 1950 MHz IMT-2000 field does not activate microglial cells in vitro, Bioelectromagnetics. 2009 Jul 31.

P **Abramson MJ et al,** (juli 2009) Mobile telephone use is associated with changes in cognitive function in young adolescents, Bioelectromagnetics. 2009 Jul 30.

P **Hardell L, Carlberg M,** (juli 2009) Mobile phones, cordless phones and the risk for brain tumours, Int J Oncol. 2009 Jul;35(1):5-17.

N **Masuda H et al,** (juli 2009) Effects of 915 MHz electromagnetic-field radiation in TEM cell on the blood-brain barrier and neurons in the rat brain, Radiat Res. 2009 Jul;172(1):66-73.

P **Cao Y et al,** (2009) 900-MHz Microwave Radiation Enhances gamma-Ray Adverse Effects on SHG44 Cells, J Toxicol Environ Health A. 2009;72(11-12):727-32.

P **Mailankot M et al,** (2009) Radio frequency electromagnetic radiation (RF-EMR) from GSM (0.9/1.8GHz) mobile phones induces oxidative stress and reduces sperm motility in rats, Clinics (Sao Paulo). 2009;64(6):561-5.

N **Sannino A et al,** (juni 2009) Human fibroblasts and 900 MHz radiofrequency radiation: evaluation of DNA damage after exposure and co-exposure to 3-chloro-4-(dichloromethyl)-5-hydroxy-2(5h)-furanone (MX), Radiat Res. 2009 Jun;171(6):743-51.

P **Sannino A et al,** (juni 2009) Induction of adaptive response in human blood lymphocytes exposed to radiofrequency radiation, Radiat Res. 2009 Jun;171(6):735-42.

P **Sirav B, Seyhan N,** (2009) Blood-brain barrier disruption by continuous-wave radio frequency radiation, Electromagn Biol Med. 2009;28(2):215-22.

– **Breckenkamp J et al,** (maj 2009) Feasibility of a cohort study on health risks caused by occupational exposure to radiofrequency electromagnetic fields, Environ Health. 2009 May 29;8:23.

P **Del Vecchio G et al,** (maj 2009) Continuous exposure to 900MHz GSM-modulated EMF alters morphological maturation of neural cells, Neurosci Lett. 2009 May 22;455(3):173-7. Epub 2009 Mar 24.

– **Milham S,** (november 2009) Most cancer in firefighters is due to radio-frequency radiation exposure not inhaled carcinogens, Med Hypotheses. 2009 Nov;73(5):788-9. Epub 2009 May 22.

– **Vrijheid M et al,** (maj 2009) Determinants of mobile phone output power in a multinational study - implications for exposure assessment, Occup Environ Med. 2009 May 21.

N **Billaudel B et al,** (maj 2009) Effects of exposure to DAMPS and GSM signals on Ornithine Decarboxylase (ODC) activity: II- SH-SY5Y human neuroblastoma cells, Int J Radiat Biol. 2009 May 12:1-4.

P **Lopez-Martin E et al,** (maj 2009) The action of pulse-modulated GSM radiation increases regional changes in brain activity and c-Fos expression in cortical and subcortical areas in a rat model of picrotoxin-induced seizure proneness, J Neurosci Res. 2009 May 1;87(6):1484-99.

N **McQuade JM et al,** (maj 2009) Radiofrequency-radiation exposure does not induce detectable leakage of albumin across the blood-brain barrier, Radiat Res. 2009 May;171(5):615-21.

P **Soderqvist F et al,** (april 2009) Mobile and cordless telephones, serum transthyretin and the blood-cerebrospinal fluid barrier: a cross-sectional study, Environ Health. 2009 Apr 21;8:19.

P **Morgan LL,** (april 2009) Estimating the risk of brain tumors from cellphone use: Published case-control studies, Pathophysiology. 2009 Apr 6.

P **Nittby H et al,** (augusti 2009) Increased blood-brain barrier permeability in mammalian brain 7 days after exposure to the radiation from a GSM-900 mobile phone, Pathophysiology. 2009 Aug;16(2-3):103-12. Epub 2009 Apr 2.

– **Budak GG et al,** (april 2009) Effects of GSM-like radiofrequency on distortion product otoacoustic emissions in pregnant adult rabbits, Clin Invest Med. 2009 Apr 1;32(2):E112-6.

N **Finnie JW et al,** (april 2009) Heat shock protein induction in fetal mouse brain as a measure of stress after whole of gestation exposure to mobile telephony radiofrequency fields, Pathology. 2009 Apr;41(3):276-9.

– **Habash RW et al,** (april 2009) Recent advances in research on radiofrequency fields and health: 2004-2007, J Toxicol Environ Health B Crit Rev. 2009 Apr;12(4):250-88.

– **Hartikka H et al,** (april 2009) Mobile phone use and location of glioma: a case-case analysis, Bioelectromagnetics. 2009 Apr;30(3):176-82.

P **Mousavy SJ et al,** (april 2009) Effects of mobile phone radiofrequency on the structure and function of the normal human hemoglobin, Int J Biol Macromol. 2009 Apr 1;44(3):278-85.

P **Blank M, Goodman R,** (mars 2009) Electromagnetic fields stress living cells, Pathophysiology. 2009 Mar 4.

P **Hardell L et al,** (mars 2009) Epidemiological evidence for an association between use of wireless phones and tumor diseases, Pathophysiology. 2009 Mar 4.

P **Budak GG et al,** (mars 2009) Effects of intrauterine and extrauterine exposure to GSM-like radiofrequency on distortion product otoacoustic emissions in infant male rabbits, Int J Pediatr Otorhinolaryngol. 2009 Mar;73(3):391-9. Epub 2008 Dec 23.

P **Zareen N et al,** (mars 2009) Derangement of chick embryo retinal differentiation caused by radiofrequency electromagnetic fields, Congenit Anom (Kyoto). 2009 Mar;49(1):15-9.

P **Gul A et al,** (februari 2009) The effects of microwave emitted by cellular phones on ovarian follicles in rats, Arch Gynecol Obstet. 2009 Feb 25.

P **Bas O et al,** (februari 2009) 900 MHz electromagnetic field exposure affects qualitative and quantitative features of hippocampal pyramidal cells in the adult female rat, Brain Res. 2009 Feb 20.

P **Schuz J et al**, (2009) Risks for central nervous system diseases among mobile phone subscribers: a Danish retrospective cohort study, PLoS ONE. 2009;4(2):e4389. Epub 2009 Feb 5.

N **Stang A et al**, (januari 2009) Mobile phone use and risk of uveal melanoma: results of the risk factors for uveal melanoma case-control study, J Natl Cancer Inst. 2009 Jan 21;101(2):120-3. Epub 2009 Jan 13.

N **Sommer AM et al**, (januari 2009) Effects of Radiofrequency Electromagnetic Fields (UMTS) on Reproduction and Development of Mice: A Multi-generation Study, Radiat Res. 2009 Jan;171(1):89-95.

2008

– **Luukkonen J et al**, (december 2008) Enhancement of chemically induced reactive oxygen species production and DNA damage in human SH-SY5Y neuroblastoma cells by 872MHz radiofrequency radiation, Mutat Res. 2008 Dec 24.

– **Croft RJ et al**, (december 2008) Mobile phones and brain tumours: a review of epidemiological research, Australas Phys Eng Sci Med. 2008 Dec;31(4):255-67.

N **Prisco MG et al**, (december 2008) Effects of GSM-modulated radiofrequency electromagnetic fields on mouse bone marrow cells, Radiat Res. 2008 Dec;170(6):803-10.

P **Verschaeve L**, (november 2008) Genetic damage in subjects exposed to radiofrequency radiation, Mutat Res. 2008 Nov 27.

P **Luria R et al**, (november 2008) Cognitive effects of radiation emitted by cellular phones: The influence of exposure side and time, Bioelectromagnetics. 2008 Nov 17;30(3):198-204.

P **Tkalec M et al**, (november 2008) Effects of radiofrequency electromagnetic fields on seed germination and root meristematic cells of Allium cepa L, Mutat Res. 2008 Nov 5.

– **Nieto-Hernandez R et al**, (november 2008) Can evidence change belief? Reported mobile phone sensitivity following individual feedback of an inability to discriminate active from sham signals, J Psychosom Res. 2008 Nov;65(5):453-60.

P **Belyaev IY et al**, (oktober 2008) Microwaves from UMTS/GSM mobile phones induce long-lasting inhibition of 53BP1/gamma-H2AX DNA repair foci in human lymphocytes, Bioelectromagnetics. 2008 Oct 6.

P **Franzellitti S et al**, (oktober 2008) HSP70 Expression in Human Trophoblast Cells Exposed to Different 1.8 GHz Mobile Phone Signals, Rad. Res. 2008 Oct;170(4): 488-497.

P **Sokolovic D et al**, (september 2008) Melatonin Reduces Oxidative Stress Induced by Chronic Exposure of Microwave Radiation from Mobile Phones in Rat Brain, J Radiat Res (Tokyo). 2008 Sep 29.

P **Agarwal A et al**, (september 2008) Effects of radiofrequency electromagnetic waves (RF-EMW) from cellular phones on human ejaculated semen: an in vitro pilot study, Fertil Steril. 2008 Sep 18.

P **Wiholm C et al**, (september 2008) Mobile phone exposure and spatial memory, Bioelectromagnetics. 2008 Sep 15.

P **Hoyto A et al**, (september 2008) Radiofrequency radiation does not significantly affect ornithine decarboxylase activity, proliferation, or caspase-3 activity of fibroblasts in different physiological conditions, Int J Radiat Biol. 2008 Sep;84(9):727-33.

P **Huang TQ et al**, (september 2008) Molecular responses of Jurkat T-cells to 1763 MHz radiofrequency radiation, Int J Radiat Biol. 2008 Sep;84(9):734-41.

P **Palumbo R et al**, (september 2008) Exposure to 900 MHz Radiofrequency Radiation Induces Caspase 3 Activation in Proliferating Human Lymphocytes, Radiat Res. 2008 Sep;170(3):327-34.

– **Vanderstraeten J, Verschaeve L**, (september 2008) Gene and protein expression following exposure to radiofrequency fields from mobile phones, Environ Health Perspect. 2008 Sep;116(9):1131-5.

P **Odaci E et al**, (augusti 2008) Effects of prenatal exposure to a 900 Mhz electromagnetic field on the dentate gyrus of rats: a stereological and histopathological study, Brain Res. 2008 Aug 16.

N **Lahkola A et al**, (augusti 2008) Meningioma and mobile phone use--a collaborative case-control study in five North European countries, Int J Epidemiol. 2008 Aug 2.

P **Andrzejak R et al**, (augusti 2008) The influence of the call with a mobile phone on heart rate variability parameters in healthy volunteers, Ind Health. 2008 Aug;46(4):409-17.

P **Pavicic I, Trosic I**, (augusti 2008) In vitro testing of cellular response to ultra high frequency electromagnetic field radiation, Toxicol In Vitro. 2008 Aug;22(5):1344-8.

– **Wiart J et al**, (juli 2008) Analysis of RF exposure in the head tissues of children and adults, Phys Med Biol. 2008 Jul 7;53(13):3681-95.

N **Kim TH et al**, (juni 2008) Local exposure of 849 MHz and 1763 MHz radiofrequency radiation to mouse heads does not induce cell death or cell proliferation in brain, Exp Mol Med. 2008 Jun 30;40(3):294-303.

N **Abdus-salam A et al**, (juni 2008) Mobile phone radiation and the risk of cancer; a review, Afr J Med Med Sci. 2008 Jun;37(2):107-18.

P **Eberhardt JL et al**, (2008) Blood-brain barrier permeability and nerve cell damage in rat brain 14 and 28 days after exposure to microwaves from GSM mobile phones, Electromagn Biol Med. 2008;27(3):215-29.

N **Kim DW et al**, (2008) Physiological effects of RF exposure on hypersensitive people by a cell phone, Conf Proc IEEE Eng Med Biol Soc. 2008;2008:2322-5.

P **Mathur R**, (2008) Effect of chronic intermittent exposure to AM radiofrequency field on responses to various types of noxious stimuli in growing rats, Electromagn Biol Med. 2008;27(3):266-76.

P **Matronchik AY, Belyaev IY et al**, (2008) Mechanism for combined action of microwaves and static magnetic field: slow non uniform rotation of charged nucleoid, Electromagn Biol Med. 2008;27(4):340-54.

P **Nittby H et al**, (2008) Radiofrequency and extremely low-frequency electromagnetic field effects on the blood-brain barrier, Electromagn Biol Med. 2008;27(2):103-26.

P **Perentos N et al**, (2008) The effect of GSM-like ELF radiation on the alpha band of the human resting EEG, Conf Proc IEEE Eng Med Biol Soc. 2008;2008:5680-3.

N **Stovner LJ et al**, (2008) Nocebo as headache trigger: evidence from a sham-controlled provocation study with RF fields, Acta Neurol Scand Suppl. 2008;188:67-71.

P **Yan JG et al**, (2008) Upregulation of specific mRNA levels in rat brain after cell phone exposure, Electromagn Biol Med. 2008;27(2):147-54.

N **Vrijheid M et al**, (maj 2008) Recall bias in the assessment of exposure to mobile phones, J Expo Sci Environ Epidemiol. 2008 May 21.

P **Yao K et al**, (maj 2008) Electromagnetic noise inhibits radiofrequency radiation-induced DNA damage and reactive oxygen species increase in human lens epithelial cells, Mol Vis. 2008 May 19;14:964-9.

P **Divan H et al**, (maj 2008) Prenatal and Postnatal Exposure to Cell Phone Use, Epidemiology. 2008 May 7.

P **George DF et al**, (maj 2008) Non-thermal effects in the microwave induced unfolding of proteins observed by chaperone binding, Bioelectromagnetics. 2008 May;29(4):324-30.

P **Hardell L et al**, (maj 2008) Meta-analysis of long-term mobile phone use and the association with brain tumours, Int J Oncol. 2008 May;32(5):1097-103.

P **Manti L et al**, (maj 2008) Effects of Modulated Microwave Radiation at Cellular Telephone Frequency (1.95 GHz) on X-Ray-Induced Chromosome Aberrations in Human Lymphocytes In Vitro, Radiat Res. 2008 May;169(5):575-83.

N **Paglialonga A et al**, (maj 2008) Analysis of time-frequency fine structure of transiently evoked otoacoustic emissions to study the effects of exposure to GSM radiofrequency fields, J Acoust Soc Am. 2008 May;123(5):3855.

P **Schwarz C et al**, (maj 2008) Radiofrequency electromagnetic fields (UMTS, 1,950 MHz) induce genotoxic effects in vitro in human fibroblasts but not in lymphocytes, Int Arch Occup Environ Health. 2008 May;81(6):755-67.

P **Yao K et al**, (maj 2008) Effect of superposed electromagnetic noise on DNA damage of lens epithelial cells induced by microwave radiation, Invest Ophthalmol Vis Sci. 2008 May;49(5):2009-15.

P **Baste V et al**, (april 2008) Radiofrequency electromagnetic fields; male infertility and sex ratio of offspring, Eur J Epidemiol. 2008 Apr 16.

P **Lerchl A et al**, (april 2008) Effects of mobile phone electromagnetic fields at nonthermal SAR values on melatonin and body weight of Djungarian hamsters (Phodopus sungorus), J Pineal Res. 2008 Apr;44(3):267-72.

N **Cinel C et al**, (mars 2008) Exposure to Mobile Phone Electromagnetic Fields and Subjective Symptoms: A Double-Blind Study, Psychosom Med. 2008 Mar 31.

N **Roosli M**, (mars 2008) Radiofrequency electromagnetic field exposure and non-specific symptoms of ill health: A systematic review, Environ Res. 2008 Mar 20.

N **Djeridane Y et al**, (mars 2008) Influence of Electromagnetic Fields Emitted by GSM-900 Cellular Telephones on the Circadian Patterns of Gonadal, Adrenal and Pituitary Hormones in Men, Radiat Res. 2008 Mar;169(3):337-43.

– **Li M et al**, (mars 2008) Elevation of plasma corticosterone levels and hippocampal glucocorticoid receptor translocation in rats: a potential mechanism for cognition impairment following chronic low-power-density microwave exposure, J Radiat Res (Tokyo). 2008 Mar;49(2):163-70.

P **Rao VS et al**, (mars 2008) Nonthermal effects of radiofrequency-field exposure on calcium dynamics in stem cell-derived neuronal cells: elucidation of calcium pathways, Radiat Res. 2008 Mar;169(3):319-29.

N **Valbonesi P et al**, (mars 2008) Evaluation of HSP70 Expression and DNA Damage in Cells of a Human Trophoblast Cell Line Exposed to 1.8 GHz Amplitude-Modulated Radiofrequency Fields, Radiat Res. 2008 Mar;169(3):270-9.

P **Sadetzki S et al**, (februari 2008) Cellular Phone Use and Risk of Benign and Malignant Parotid Gland Tumors A Nationwide Case-Control Study, Am J Epidemiol. 2007 Dec 6.

N **Takebayashi T et al**, (februari 2008) Mobile phone use, exposure to radiofrequency electromagnetic field, and brain tumour: a case-control study, Br J Cancer. 2008 Feb 12;98(3):652-9.

P **Aly AA et al**, (februari 2008) Effects of 900-MHz radio frequencies on the chemotaxis of human neutrophils in vitro, IEEE Trans Biomed Eng. 2008 Feb;55(2):795-7.

– **Hardell L, Sage C**, (februari 2008) Biological effects from electromagnetic field exposure and public exposure standards, Biomed Pharmacother. 2008 Feb;62(2):104-9.

P **Karinen A et al**, (februari 2008) Mobile phone radiation might alter protein expression in human skin, BMC Genomics. 2008 Feb 11;9:77.

P **Rezk AY et al**, (februari 2008) Fetal and neonatal responses following maternal exposure to mobile phones, Saudi Med J. 2008 Feb;29(2):218-23.

– **Kim JY et al**, (januari 2008) In vitro assessment of clastogenicity of mobile-phone radiation (835 MHz) using the alkaline comet assay and chromosomal aberration test, Environ Toxicol. 2008 Jan 23.

– **Garaj-Vrhovac V, Orescanin V**, (januari 2008) Assessment of DNA sensitivity in peripheral blood leukocytes after occupational exposure to microwave radiation: the alkaline comet assay and chromatid breakage assay, Cell Biol Toxicol. 2008 Jan 23.

P **Agarwal A et al**, (januari 2008) Effect of cell phone usage on semen analysis in men attending infertility clinic, Fertil Steril. 2008 Jan;89(1):124-8.

P **Joubert V et al**, (januari 2008) Apoptosis is Induced by Radiofrequency Fields through the Caspase-Independent Mitochondrial Pathway in Cortical Neurons, Radiat Res. 2008 Jan;169(1):38-45.

– **Kan P et al**, (januari 2008) Cellular phone use and brain tumor: a meta-analysis, J Neurooncol. 2008 Jan;86(1):71-8.

P **Mazor R et al**, (januari 2008) Increased levels of numerical chromosome aberrations after in vitro exposure of human peripheral blood lymphocytes to radiofrequency electromagnetic fields for 72 hours, Radiat Res. 2008 Jan;169(1):28-37.

2007

P **Nittby H et al**, (november 2007) Cognitive impairment in rats after long-term exposure to GSM-900 mobile phone radiation, Bioelectromagnetics. 2007 Nov 28.

P **Roux D et al**, (november 2007) High frequency (900 MHz) low amplitude (5 V m(-1)) electromagnetic field: a genuine environmental stimulus that affects transcription, translation, calcium and energy charge in tomato., Planta. 2007 Nov 20.

P **Arnetz BB et al**, (2007) The Effects of 884 MHz GSM Wireless Communication Signals on Self-reported Symptom and Sleep (EEG)- An Experimental Provocation Study, PIERS Online Vol. 3 No. 7 2007 pp: 1148-1150.

– **Hours M et al**, (oktober 2007) Cell Phones and Risk of brain and acoustic nerve tumours: the French INTERPHONE case-control study, Rev Epidemiol Sante Publique. 2007 Oct;55(5):321-32.

P **Yan JG et al**, (oktober 2007) Effects of cellular phone emissions on sperm motility in rats, Fertil Steril. 2007 Oct;88(4):957-64. Epub 2007 Jul 12.

P **Hardell L et al**, (september 2007) Long-term use of cellular phones and brain tumours - increased risk associated with use for > 10 years, Occup Environ Med. 2007 Sep;64(9):626-32.

N **Oberto G et al**, (september 2007) Carcinogenicity study of 217 Hz pulsed 900 MHz electromagnetic fields in Pim1 transgenic mice, Radiat Res. 2007 Sep;168(3):316-26.

P **Friedman J et al**, (augusti 2007) Mechanism of a short-term ERK activation by electromagnetic fields at mobile phone frequency, Biochem J. 2007 Aug 1;405(3):559-68.

P **Guney M et al**, (augusti 2007) 900 MHz radiofrequency-induced histopathologic changes and oxidative stress in rat endometrium: protection by vitamins E and C, Toxicol Ind Health. 2007 Aug;23(7):411-20.

P **Hung CS et al**, (juni 2007) Mobile phone 'talk-mode' signal delays EEG-determined sleep onset, Neurosci Lett. 2007 Jun 21;421(1):82-6.

P **Hoyto A et al**, (juni 2007) Ornithine decarboxylase activity is affected in primary astrocytes but not in secondary cell lines exposed to 872 MHz RF radiation, Int J Radiat Biol. 2007 Jun;83(6):367-74.

P **Mild KH et al**, (2007) Pooled analysis of two Swedish case-control studies on the use of mobile and cordless telephones and the risk of brain tumours diagnosed during 1997-2003, Int J Occup Saf Ergon. 2007;13(1):63-71.

N **Fritzer G et al**, (maj 2007) Effects of short- and long-term pulsed radiofrequency electromagnetic fields on night sleep and cognitive functions in healthy subject, Bioelectromagnetics. 2007 May;28(4):316-25.

N **Haarala C et al**, (maj 2007) Pulsed and continuous wave mobile phone exposure over left versus right hemisphere: Effects on human cognitive function, Bioelectromagnetics 2007 May;28(4):289-95.

P **Krause CM et al**, (maj 2007) Effects of pulsed and continuous wave 902 MHz mobile phone exposure on brain oscillatory activity during cognitive processing, Bioelectromagnetics 2007 May;28(4):296-308.

N **Mortazavi SM et al**, (maj 2007) Prevalence of subjective poor health symptoms associated with exposure to electromagnetic fields among university students, Bioelectromagnetics. 2007 May;28(4):326-30.

N **Oftedal G et al**, (maj 2007) Mobile phone headache: a double blind, sham-controlled provocation study, Cephalalgia. 2007 May;27(5):447-55.

P **Lahkola A et al**, (april 2007) Mobile phone use and risk of glioma in 5 North European countries, Int J Cancer. 2007 Apr 15;120(8):1769-75.

N **Hardell L et al**, (april 2007) Use of cellular and cordless telephones and risk of testicular cancer, Int J Androl. 2007 Apr;30(2):115-22.

N **Klaeboe L et al**, (april 2007) Use of mobile phones in Norway and risk of intracranial tumours, Eur J Cancer Prev. 2007 Apr;16(2):158-64.

P **Panagopoulos D et al**, (januari 2007) Cell death induced by GSM 900-MHz and DCS 1800-MHz mobile telephony radiation, Mutat Res. 2007 Jan 10;626(1-2):69-78.

– **Huss A et al**, (januari 2007) Source of funding and results of studies of health effects of mobile phone use: systematic review of experimental studies, Environ Health Perspect. 2007 Jan;115(1):1-4.

N **Ribeiroa E et al**, (januari 2007) Effects of subchronic exposure to radio frquency from a conventional cellular telephone on testicular function in adult rats, J Urol 177(1): 395-399.

2006

N **Schuz J et al**, (december 2006) Cellular telephone use and cancer risk: update of a nationwide Danish cohort, J Natl Cancer Inst. 2006 Dec 6;98(23):1707-13.

P **Ferreira A et al**, (december 2006) Ultra high frequency-electromagnetic field irradiation during pregnancy leads to an increase in erythrocytes micronuclei incidence in rat offspring, Life Sci 2006 Dec 3;80(1):43-50.

N **Takebayashi T et al**, (december 2006) Mobile phone use and acoustic neuroma risk in Japan, Occup Environ Med. 2006 Dec;63(12):802-7.

P **Oral B et al**, (november 2006) Endometrial apoptosis induced by a 900-MHz mobile phone: preventive effects of vitamins E and C, Adv Ther. 2006 Nov-Dec;23(6):957-73.

P **Hardell L et al**, (oktober 2006) Tumour risk associated with use of cellular telephones or cordless desktop telephones, World J Surg Oncol 2006 Oct 11;4:74.

P **Erogul O et al**, (oktober 2006) Effects of electromagnetic radiation from a cellular phone on human sperm motility: an in vitro study, Arch Med Res 37(7):840-3.

P **Lonn S et al**, (oktober 2006) Mobile phone use and risk of parotid gland tumor, Am J Epidemiol. 2006 Oct 1;164(7):637-43. Epub 2006 Jul 3.

P **Hardell L et al**, (september 2006) Pooled analysis of two case-control studies on use of cellular and cordless telephones and the risk for malignant brain tumours diagnosed in 1997-2003, Int Arch Occup Environ Health. 2006 Sep;79(8):630-9. Epub 2006 Mar 16.

N **Lantow M et al**, (september 2006) Comparative study of cell cycle kinetics and induction of apoptosis or necrosis after exposure of human mono mac 6 cells to radiofrequency radiation, Radiat Res. 2006 Sep;166(3):539-43.

P **Nylund R, Leszcynski D**, (september 2006) Mobile phone radiation causes changes in gene and protein expression in human endothelial cell lines and the response seems to be genome- and proteome-dependent, Proteomics 2006 Sep;6(17):4769-80.

P **Remondini D et al**, (september 2006) Gene expression changes in human cells after exposure to mobile phone microwaves, Proteomics 2006 Sep;6(17):4745-54.

P **Aalto S et al**, (juli 2006) Mobile phone affects cerebral blood flow in humans, J Cereb Blood Flow Metab. 2006 Jul;26(7):885-90.

P **Kuhn S, Kuster N**, (juli 2006) Development of Procedures for the EMF Exposure Evaluation of Wireless Devices in Home and Office Environments Supplement 1: Close-to-Body and Base Station Wireless Data Communication Devices, Foundation for Research on Information Technologies in Society, ETH Zurich, Switzerland.

N **Schuz J et al**, (juli 2006) Radiofrequency electromagnetic fields emitted from base stations of DECT cordless phones and the risk of glioma and meningioma (Interphone Study Group, Germany), Radiat Res. 2006 Jul;166(1 Pt 1):116-9.

P **Bachmann M et al**, (2006) Integration of differences in EEG Analysis Reveals Changes in Human EEG Caused by Microwave, Conf Proc IEEE Eng Med Biol Soc. 2006;1:1597-600.

– **de Salles AA et al**, (2006) Electromagnetic absorption in the head of adults and children due to mobile phone operation close to the head, Electromagn Biol Med. 2006;25(4):349-60.

– **Hondou T et al**, (2006) Passive Exposure to Mobile Phones: Enhancement of Intensity by Reflection, J. Phys. Soc. Jpn. 75 (2006) 084801.

P **Koylu H et al**, (juni 2006) Melatonin modulates 900 Mhz microwave-induced lipid peroxidation changes in rat brain, Toxicol Ind Health 2006 Jun;22(5):211-6.

P **Krause CM et al**, (juni 2006) Mobile phone effects on children's event-related oscillatory EEG during an auditory memory task, Int J Radiat Biol 2006 Jun;82(6):443-50.

P **Oktay MF, Dasdag S**, (2006) Effects of intensive and moderate cellular phone use on hearing function, Electromagn Biol Med. 2006;25(1):13-21.

P **Belyaev IY et al**, (maj 2006) Exposure of rat brain to 915 MHz GSM microwaves induces changes in gene expression but not double stranded DNA breaks or effects on chromatin conformation, Bioelectromagnetics. 2006 May;27(4):295-306.

– **Hepworth SJ et al**, (april 2006) Mobile phone use and risk of glioma in adults: case-control study, BMJ. 2006 Apr 15;332(7546):883-7.

N **Rubin GJ et al**, (april 2006) Are some people sensitive to mobile phone signals? Within participants double blind randomised provocation study, BMJ. 2006 Apr 15;332(7546):886-91.

P **Papageorgiou CC et al**, (april 2006) Acute mobile phone effects on pre-attentive operation, Neurosci Lett. 2006 Apr 10-17;397(1-2):99-103.

– **Vrijheid M et al**, (april 2006) Validation of short term recall of mobile phone use for the Interphone study, Occup Environ Med. 2006 Apr;63(4):237-43.

N **Wilen J et al**, (april 2006) Psychophysiological tests and provocation of subjects with mobile phone related symptoms, Bioelectromagnetics 2006 Apr;27(3):204-14.

– **Schuz J et al**, (mars 2006) Cellular phones, cordless phones, and the risks of glioma and meningioma (Interphone Study Group, Germany), Am J Epidemiol. 2006 Mar 15;163(6):512-20.

P **Esen F, Esen H**, (mars 2006) Effect of electromagnetic fields emitted by cellular phones on the latency of evoked electrodermal activity, Int J Neurosci. 2006 Mar;116(3):321-9.

P **Hardell L et al**, (februari 2006) Case-control study of the association between the use of cellular and cordless telephones and malignant brain tumors diagnosed during 2000-2003, Environ Res. 2006 Feb;100(2):232-41.

2005

P **Schoemaker MJ et al**, (oktober 2005) Mobile phone use and risk of acoustic neuroma: results of the Interphone case-control study in five North European countries, Br J Cancer. 2005 Oct 3;93(7):842-8.

P **Nikolova T et al**, (oktober 2005) Electromagnetic fields affect transcript levels of apoptosis-related genes in embryonic stem cell-derived neural progenitor cells, FASEB J. 2005 Oct;19(12):1686-8

– **Szyjkowska A et al**, (oktober 2005) Subjective symptoms related to mobile phone use--a pilot study, Pol Merkur Lekarski. 2005 Oct;19(112):529-32

P **Fejes I et al**, (september 2005) Is there a relationship between cell phone use and semen quality?, Arch Androl. 2005 Sep-Oct;51(5):385-93

P **Hardell L et al**, (september 2005) Use of cellular or cordless telephones and the risk for non-Hodgkin's lymphoma, Int Arch Occup Environ Health. 2005 Sep;78(8):625-32.

P **Markova E et al**, (september 2005) Microwaves from GSM mobile telephones affect 53BP1 and gamma-H2AX foci in human lymphocytes from hypersensitive and healthy persons, Environ Health Perspect. 2005 Sep;113(9):1172-7.

P **Wang Q et al,** (september 2005) Effect of 900 MHz electromagnetic fields on the expression of GABA receptor of cerebral cortical neurons in postnatal rats, Wei Sheng Yan Jiu. 2005 Sep;34(5):546-8.

P **Ozguner F et al,** (augusti 2005) Comparative analysis of the protective effects of melatonin and caffeic acid phenethyl ester (CAPE) on mobile phone-induced renal impairment in rat, Mol Cell Biochem. 2005 Aug;276(1-2):31-7.

P **Preece AW et al**, (2005) Effect of 902 MHz mobile phone transmission on cognitive function in children, Bioelectromagnetics Suppl 7 S138-43.

– **Fernandez C et al**, (juli 2005) Comparison of Electromagnetic Absorption Characteristics in the Head of Adult and a Children for 1800 MHz Mobile Phones, Conference Proceeding from the 2005 SBMO/IEEE MTT-S International Conference on Microwave and Optoelectronics.

P **Oktem F et al**, (juli 2005) Oxidative damage in the kidney induced by 900-MHz-emitted mobile phone: protection by melatonin, Arch Med Res. 2005 Jul-Aug;36(4):350-5.

P **Hardell L et al**, (2005) Case-control study on cellular and cordless telephones and the risk for acoustic neuroma or meningioma in patients diagnosed 2000-2003, Neuroepidemiology. 2005;25(3):120-8.

P **Diem E et al**, (juni 2005) Non-thermal DNA breakage by mobile-phone radiation (1800 MHz) in human fibroblasts and in transformed GFSH-R17 rat granulosa cells in vitro, Mutat Res. 2005 Jun 6;583(2):178-83.

– **Christ A, Kuster N**, (2005) Differences in RF energy absorption in the heads of adults and children, Bioelectromagnetics. 2005;Suppl 7:S31-44.

P **Hardell L et al,** (juni 2005) Use of cellular telephones and brain tumour risk in urban and rural areas, Occup Environ Med. 2005 Jun;62(6):390-4.

P **Meo SA, Al-Drees AM**, (2005) Mobile phone related-hazards and subjective hearing and vision symptoms in the Saudi population, Int J Occup Med Environ Health. 2005;18(1):53-7.

P **Garcia Callejo FJ et al**, (maj 2005) Hearing level and intensive use of mobile phones, Acta Otorrinolaringol Esp. 2005 May;56(5):187-91.

– **Lahkola A et al**, (maj 2005) Selection bias due to differential participation in a case-control study of mobile phone use and brain tumors, Ann Epidemiol. 2005 May;15(5):321-5.

N **Christensen HC et al**, (april 2005) Cellular telephones and risk for brain tumors: a population-based, incident case-control study, Neurology. 2005 Apr 12;64(7):1189-95.

P **Belyaev IY et al**, (april 2005) 915 MHz microwaves and 50 Hz magnetic field affect chromatin conformation and 53BP1 foci in human lymphocytes from hypersensitive and healthy persons, Bioelectromagnetics. 2005 Apr;26(3):173-84.

N **Lonn S et al**, (mars 2005) Long-term mobile phone use and brain tumor risk, Am J Epidemiol. 2005 Mar 15;161(6):526-35.

P **Balik HH et al**, (mars 2005) Some ocular symptoms and sensations experienced by long term users of mobile phones, Pathol Biol (Paris). 2005 Mar;53(2):88-91.

P **Wang Q et al**, (mars 2005) Effect of 900Mhz electromagnetic fields on energy metabolism in postnatal rat cerebral cortical neurons, Wei Sheng Yan Jiu. 2005 Mar;34(2):155-8.

– **Bianchi A, Phillips JG**, (februari 2005) Psychological predictors of problem mobile phone use, Cyberpsychol Behav. 2005 Feb;8(1):39-51.

P **Huber R et al**, (februari 2005) Exposure to pulse-modulated radio frequency electromagnetic fields affects regional cerebral blood flow, Eur J Neurosci. 2005 Feb;21(4):1000-6.

– **Leena K et al**, (februari 2005) Intensity of mobile phone use and health compromising behaviours--how is information and communication technology connected to health-related lifestyle in adolescence?, J Adolesc. 2005 Feb;28(1):35-47.

2004

P **Lonn S et al**, (november 2004) Mobile phone use and the risk of acoustic neuroma, Epidemiology. 2004 Nov;15(6):653-9.

P **Lai H**, (oktober 2004) Interaction of microwaves and a temporally incoherent magnetic field on spatial learning in the rat, Physiol Behav. 2004 Oct 15;82(5):785-9.

P **Panagopoulos D et al**, (2004) Effect of GSM 900-MHz Mobile Phone radiation on the reproductive capacity of Drosophila melanogaster, Electromagn Biol Med 23(1): 29-43.

P **Ozguner F et al**, (september 2004) Prevention of mobile phone induced skin tissue changes by melatonin in rat: an experimental study, Toxicol Ind Health. 2004 Sep;20(6-10):133-9.

N **Hardell L et al**, (augusti 2004) No association between the use of cellular or cordless telephones and salivary gland tumours, Occup Environ Med. 2004 Aug;61(8):675-9.

P **Wang Q et al**, (juli 2004) Effect of 900MHz electromagnetic fields on energy metabolism of cerebral cortical neurons in postnatal rat, Wei Sheng Yan Jiu. 2004 Jul;33(4):428-9, 432.

P **Al-Khlaiwi T, Meo SA**, (juni 2004) Association of mobile phone radiation with fatigue, headache, dizziness, tension and sleep disturbance in Saudi population, Saudi Med J. 2004 Jun;25(6):732-6.

– **Hutter HP et al**, (2004) Public perception of risk concerning celltowers and mobile phones, Soz Praventivmed. 2004;49(1):62-6.

P **Czyz J et al**, (maj 2004) High frequency electromagnetic fields (GSM signals) affect gene expression levels in tumor suppressor p53-deficient embryonic stem cells, Bioelectromagnetics. 2004 May;25(4):296-307.

– **Samkange-Zeeb F et al**, (maj 2004) Validation of self-reported cellular phone use, J Expo Anal Environ Epidemiol. 2004 May;14(3):245-8.

P **Sarimov R et al**, (2004) Nonthermal GSM Microwaves Affect Chromatin Conformation in Human Lymphocytes Similar to Heat Shock, IEEE Trans Plasma Sci 2004; 32 (4): 1600 - 1608.

N **Christensen HC et al**, (februari 2004) Cellular telephone use and risk of acoustic neuroma, Am J Epidemiol. 2004 Feb 1;159(3):277-83.

– **Lonn S et al**, (januari 2004) Incidence trends of adult primary intracerebral tumors in four Nordic countries, Int J Cancer. 2004 Jan 20;108(3):450-5.

N **Johansen C**, (2004) Electromagnetic fields and health effects--epidemiologic studies of cancer, diseases of the central nervous system and arrhythmia-related heart disease, Scand J Work Environ Health. 2004;30 Suppl 1:1-30.

2003

P **D'Costa H et al**, (december 2003) Human brain wave activity during exposure to radiofrequency field emissions from mobile phones, Australas Phys Eng Sci Med. 2003 Dec;26(4):162-7.

P **Grigor'ev IuG**, (september 2003) Biological effects of mobile phone electromagnetic field on chick embryo (risk assessment using the mortality rate), Radiats Biol Radioecol. 2003 Sep-Oct;43(5):541-3.

P **Kramarenko AV, Tan U**, (juli 2003) Effects of high-frequency electromagnetic fields on human EEG: a brain mapping study, Int J Neurosci. 2003 Jul;113(7):1007-19.

N **Cook A et al**, (juni 2003) Cellular telephone use and time trends for brain, head and neck tumours, N Z Med J. 2003 Jun 6;116(1175):U457.

P **Salford L et al**, (juni 2003) Nerve cell damage in mammalian brain after exposure to microwaves from GSM mobile phones, Environ Health Perspect 2003 Jun;111(7):881-3; discussion A408.

P **de Pomerai DI et al**, (maj 2003) Microwave radiation can alter protein conformation without bulk heating, FEBS Lett. 2003 May 22;543(1-3):93-7.

P **Huber R et al**, (maj 2003) Radio frequency electromagnetic field exposure in humans: Estimation of SAR distribution in the brain, effects on sleep and heart rate, Bioelectromagnetics. 2003 May;24(4):262-76.

N **Warren HG et al**, (april 2003) Cellular telephone use and risk of intratemporal facial nerve tumor, Laryngoscope. 2003 Apr;113(4):663-7.

P **Wilen J et al**, (april 2003) Subjective symptoms among mobile phone users--a consequence of absorption of radiofrequency fields?, Bioelectromagnetics. 2003 Apr;24(3):152-9.

P **Hardell L et al**, (mars 2003) Vestibular schwannoma, tinnitus and cellular telephones, Neuroepidemiology 2003 Mar-Apr;22(2):124-9.

P **Hocking B, Westerman R**, (mars 2003) Neurological effects of radiofrequency radiation, Occup Med 2003 Mar;53(2):123-7.

– **Strayer D et al**, (mars 2003) Cell phone-induced failures of visual attention during simulated driving, J Exp Psychol Appl Mar;9(1):23-32.

P **Hardell L et al**, (februari 2003) Further aspects on cellular and cordless telephones and brain tumours, Int J Oncol. 2003 Feb;22(2):399-407.

2002

P **Huber R et al**, (december 2002) Electromagnetic fields, such as those from mobile phones, alter regional cerebral blood flow and sleep and waking EEG, J Sleep Res 2002 Dec;11(4):289-95.

P **Beason R, Semm P**, (november 2002) Responses of neurons to an amplitude modulated microwave stimulus, Neurosci Lett 2002 Nov 29;333(3):175-8.

P **Burch JB et al**, (november 2002) Melatonin metabolite excretion among cellular telephone users, Int J Radiat Biol. 2002 Nov;78(11):1029-36.

P **Hocking B, Westerman R**, (oktober 2002) Neurological changes induced by a mobile phone, Occup Med (Lond). 2002 Oct;52(7):413-5.

P **Hardell L et al**, (augusti 2002) Cellular and cordless telephones and the risk for brain tumours, Eur J Cancer Prev. 2002 Aug;11(4):377-86.

– **Ghandi O, Kang G**, (maj 2002) Some present problems and a proposed experimental phantom for SAR compliance testing of cellular telephones at 835 and 1900 MHz, Phys. Med. Biol. 47 1501 18.

– **Auvinen A et al**, (maj 2002) Brain tumors and salivary gland cancers among cellular telephone users, Epidemiology. 2002 May;13(3):356-9.

P **Leszczynski D et al**, (maj 2002) Non-thermal activation of the hsp27/p38MAPK stress pathway by mobile phone radiation in human endothelial cells: molecular mechanism for cancer- and blood-brain barrier-related effects, Differentiation. 2002 May;70(2-3):120-9.

N **Muscat JE et al**, (april 2002) Handheld cellular telephones and risk of acoustic neuroma, Neurology. 2002 Apr 23;58(8):1304-6.

N **Johansen C et al**, (februari 2002) Mobile phones and malignant melanoma of the eye, Br J Cancer. 2002 Feb 1;86(3):348-9.

P **Edelstyn N, Oldershaw A**, (januari 2002) The acute effects of exposure to the electromagnetic field emitted by mobile phones on human attention, Neuroreport. 2002 Jan 21;13(1):119-21.

P **D'Ambrosio G et al**, (januari 2002) Cytogenetic damage in human lymphocytes following GMSK phase modulated microwave exposure, Bioelectromagnetics. 2002 Jan;23(1):7-13.

2001

P **Hardell L et al**, (december 2001) Ionizing radiation, cellular telephones and the risk for brain tumours, Eur J Cancer Prev. 2001 Dec;10(6):523-9.

– **Hocking B, Westerman R**, (september 2001) Neurological abnormalities associated with CDMA exposure, Occup Med (Lond). 2001 Sep;51(6):410-3.

P **Tattersall JE et al**, (juni 2001) Effects of low intensity radiofrequency electromagnetic fields on electrical activity in rat hippocampal slices, Brain Res. 2001 Jun 15;904(1):43-53.

N **Johansen C et al**, (februari 2001) Cellular telephones and cancer--a nationwide cohort study in Denmark, J Natl Cancer Inst. 2001 Feb 7;93(3):203-7.

P **Sandstrom M et al**, (februari 2001) Mobile phone use and subjective symptoms. Comparison of symptoms experienced by users of analogue and digital mobile phones, Occup Med (Lond). 2001 Feb;51(1):25-35.

N **Inskip PD et al**, (januari 2001) Cellular-telephone use and brain tumors, N Engl J Med. 2001 Jan 11;344(2):79-86.

P **Stang A et al**, (januari 2001) The possible role of radiofrequency radiation in the development of uveal melanoma, Epidemiology. 2001 Jan;12(1):7-12.

2000

N **Muscat JE et al**, (december 2000) Handheld cellular telephone use and risk of brain cancer, JAMA. 2000 Dec 20;284(23):3001-7.

P **Krause CM et al**, (december 2000) Effects of electromagnetic fields emitted by cellular phones on the electroencephalogram during a visual working memory task, Int J Radiat Biol. 2000 Dec;76(12):1659-67.

P **Chia SE et al**, (november 2000) Prevalence of headache among handheld cellular telephone users in Singapore: a community study, Environ Health Perspect. 2000 Nov;108(11):1059-62.

P **Huber R et al**, (oktober 2000) Exposure to pulsed high-frequency electromagnetic field during waking affects human sleep EEG, Neuroreport. 2000 Oct 20;11(15):3321-5.

P **Grajewski B et al**, (oktober 2000) Semen quality and hormone levels among radiofrequency heater operators, J Occup Environ Med. 2000 Oct;42(10):993-1005.

P **Richter E et al**, (juli 2000) Cancer in radar technicians exposed to radiofrequency/microwave radiation: sentinel episodes, Int J Occup Environ Health. 2000 Jul-Sep;6(3):187-93.

P **Koivisto M et al**, (juni 2000) The effects of electromagnetic field emitted by GSM phones on working memory, Neuroreport. 2000 Jun 5;11(8):1641-3.

P **Hardell L et al**, (maj 2000) 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.

P **Oftedal G et al**, (maj 2000) Symptoms experienced in connection with mobile phone use, Occup Med (Lond). 2000 May;50(4):237-45.

P **Cao Z et al**, (mars 2000) Effects of electromagnetic radiation from handsets of cellular telephone on neurobehavioral function, Wei Sheng Yan Jiu. 2000 Mar 30;29(2):102-3.

P **Krause CM et al**, (mars 2000) Effects of electromagnetic field emitted by cellular phones on the EEG during a memory task, Neuroreport. 2000 Mar 20;11(4):761-4.

N **Morgan RW et al**, (mars 2000) Radiofrequency exposure and mortality from cancer of the brain and lymphatic/hematopoietic systems, Epidemiology. 2000 Mar;11(2):118-27.

P **Koivisto M et al**, (februari 2000) Effects of 902 MHz electromagnetic field emitted by cellular telephones on response times in humans, Neuroreport. 2000 Feb 7;11(2):413-5.

P **Wang B, Lai H**, (januari 2000) Acute exposure to pulsed 2450-MHz microwaves affects water-maze performance of rats, Bioelectromagnetics. 2000 Jan;21(1):52-6.

1999

P **Borbely AA et al**, (november 1999) Pulsed high-frequency electromagnetic field affects human sleep and sleep electroencephalogram, Neurosci Lett. 1999 Nov 19;275(3):207-10.

P **Hardell L et al**, (juli 1999) Use of cellular telephones and the risk for brain tumours: A case-control study, Int J Oncol. 1999 Jul;15(1):113-6.

P **Velizarov S et al**, (februari 1999) The effects of radiofrequency fields on cell proliferation are non-thermal, Bioelectrochem Bioenerg. 1999 Feb;48(1):177-80.

1998

P **Hardell L et al**, (december 1998) Case-control study on risk factors for testicular cancer, Int J Oncol. 1998 Dec;13(6):1299-303.

P **Eulitz C et al**, (oktober 1998) Mobile phones modulate response patterns of human brain activity, Neuroreport. 1998 Oct 5;9(14):3229-32.

P **Freude G et al**, (1998) Effects of microwaves emitted by cellular phones on human slow brain potentials, Bioelectromagnetics. 1998;19(6):384-7.

P **Haugsdal B et al**, (1998) Comparison of symptoms experienced by users of analogue and digital mobile phones: a Swedish-Norwegian epidemiological study, Arbetslivsrapport 23: 1998.

– **Hocking B et al**, (1988) Health aspects of radio-frequency radiation accidents. Part I: Assessment of health after a radio-frequency radiation accident, J Microw Power Electromagn Energy. 1988;23(2):67-74.

P **Duan L et al,** (mars 1998) Observations of changes in neurobehavioral functions in workers exposed to high-frequency radiation, Zhonghua Yu Fang Yi Xue Za Zhi. 1998 Mar;32(2):109-11.

– **Frey AH,** (mars 1998) Headaches from cellular telephones: are they real and what are the implications?, Environ Health Perspect. 1998 Mar;106(3):101-3.

1997

P **Donnellan M et al,** (juli 1997) Effects of exposure to electromagnetic radiation at 835 MHz on growth, morphology and secretory characteristics of a mast cell analogue, RBL-2H3, Cell Biol Int. 1997 Jul;21(7):427-39.

P **French PW et al,** (juni 1997) Electromagnetic radiation at 835 MHz changes the morphology and inhibits proliferation of a human astrocytoma cell line, Bioelectrochemistry and Bioenergetics, Juni 1997;43(1):13-18.

– **Jauchem JR,** (1997) Exposure to extremely-low-frequency electromagnetic fields and radiofrequency radiation: cardiovascular effects in humans, Int Arch Occup Environ Health. 1997;70(1):9-21.

1996

P **Singh B, Bate LA,** (november 1996) Responses of pulmonary intravascular macrophages to 915-MHz microwave radiation: ultrastructural and cytochemical study, Anat Rec. 1996 Nov;246(3):343-55.

P **Dobson J, St. Pierre T,** (oktober 1996) Application of the ferromagnetic transduction model to D.C. and pulsed magnetic fields: effects on epileptogenic tissue and implications for cellular phone safety, Biochem Biophys Res Commun 1996 Oct 23;227(3):718-23.

– **Ghandi O, Kang G,** (1996) Effect of the head size on SAR for mobile telephones at 835 and 1900MHz, Bioelectromagnetics Society 23rd Annual Meeting. St. Paul, Minnesota, USA, Juni 10-14, 2001, p. 52.

– **Funch DP et al,** (maj 1996) Utility of telephone company records for epidemiologic studies of cellular telephones, Epidemiology. 1996 May;7(3):299-302.

– **Rothman KJ et al,** (maj 1996) Overall mortality of cellular telephone customers, Epidemiology. 1996 May;7(3):303-5.

P **Szmigielski S,** (februari 1996) Cancer morbidity in subjects occupationally exposed to high frequency (radiofrequency and microwave) electromagnetic radiation, Sci Total Environ. 1996 Feb 2;180(1):9-17.

1995

P **Reiser H et al,** (oktober 1995) The influence of electromagnetic fields on human brain activity, Eur J Med Res. 1995 Oct 16;1(1):27-32.

P **Goldsmith JR,** (januari 1995) Epidemiologic Evidence of Radiofrequency Radiation (Microwave) Effects on Health in Military, Broadcasting, and Occupational Studies, Int J Occup Environ Health. 1995 Jan;1(1):47-57.

1994

N **Zhao Z et al,** (juli 1994) The effects of radiofrequency (< 30 MHz) radiation in humans, Rev Environ Health. 1994 Jul-Dec;10(3-4):213-5.

P **Lai H et al,** (1994) Microwave irradiation affects radial-arm maze performance in the rat, Bioelectromagnetics. 1994;15(2):95-104.

1993

P **Ouellet-Hellstrom R,** Stewart WF, (november 1993) Miscarriages among female physical therapists who report using radio- and microwave-frequency electromagnetic radiation, Am J Epidemiol. 1993 Nov 15;138(10):775-86.

1989

P **Lai H et al,** (maj 1989) Low-level microwave irradiation and central cholinergic systems, Pharmacol Biochem Behav. 1989 May;33(1):131-8.

Mobiltelefonmaster

Sammanfattning

Antal studier i denna avdelning: 53 st

P 27 st / 50,9 % N 7 st / 13,2 % – 19 st / 35,8 %

2010

N **Roosli M et al,** (december 2010) Systematic review on the health effects of exposure to radiofrequency electromagnetic fields from mobile phone base stations, Bull World Health Organ. 2010 Dec 1;88(12):887-896F. Epub 2010 Oct 5.

N **Heinrich S et al,** (november 2010) Association between exposure to radiofrequency electromagnetic fields assessed by dosimetry and acute symptoms in children and adolescents: a population based cross-sectional study, Environ Health. 2010 Nov 25;9:75.

– **Joseph W, Verloock L,** (november 2010) Influence of mobile phone traffic on base station exposure of the general public, Health Phys. 2010 Nov;99(5):631-8.

– **Joseph W et al,** (oktober 2010) Comparison of personal radio frequency electromagnetic field exposure in different urban areas across Europe, Environ Res. 2010 Oct;110(7):658-63.

– **Joseph W et al,** (oktober 2010) Assessment of general public exposure to LTE and RF sources present in an urban environment, Bioelectromagnetics. 2010 Oct;31(7):576-9.

– **Kheifets L et al,** (oktober 2010) Risk governance for mobile phones, power lines, and other EMF technologies, Risk Anal. 2010 Oct;30(10):1481-94.

– **Vermeeren G et al,** (september 2010) The influence of the reflective environment on the absorption of a human male exposed to representative base station antennas from 300 MHz to 5 GHz, Phys Med Biol. 2010 Sep 21;55(18):5541-55. Epub 2010 Aug 31.

– **Danker-Hopfe H et al,** (september 2010) Do mobile phone base stations affect sleep of residents? Results from an experimental double-blind sham-controlled field study, Am J Hum Biol. 2010 Sep-Oct;22(5):613-8.

– **Kim BC, Park SO,** (september 2010) Evaluation of RF electromagnetic field exposure levels from cellular base stations in Korea, Bioelectromagnetics. 2010 Sep;31(6):495-8.

– **McIntosh RL, Anderson V,** (september 2010) SAR versus S(inc): What is the appropriate RF exposure metric in the range 1-10 GHz? Part II: Using complex human body models, Bioelectromagnetics. 2010 Sep;31(6):467-78.

– **Russo P et al,** (augusti 2010) A numerical coefficient for evaluation of the environmental impact of electromagnetic fields radiated by base stations for mobile communications, Bioelectromagnetics. 2010 Aug 5.

N **Elliott P et al,** (juni 2010) Mobile phone base stations and early childhood cancers: case-control study, BMJ. 2010 Jun 22;340:c3077. doi: 10.1136/bmj.c3077.

– **Stam R,** (oktober 2010) Electromagnetic fields and the blood-brain barrier, Brain Res Rev. 2010 Oct 5;65(1):80-97. Epub 2010 Jun 13.

P **Augner C et al,** (juni 2010) Effects of exposure to GSM mobile phone base station signals on salivary cortisol, alpha-amylase, and immunoglobulin A, Biomed Environ Sci. 2010 Jun;23(3):199-207.

– **van Kleef E et al,** (juni 2010) Risk and benefit perceptions of mobile phone and base station technology in Bangladesh, Risk Anal. 2010 Jun;30(6):1002-15. Epub 2010 Apr 8.

P **Panagopoulos DJ, Margaritis LH,** (maj 2010) The identification of an intensity 'window' on the bioeffects of mobile telephony radiation, Int J Radiat Biol. 2010 May;86(5):358-66.

P **Vorobyov V et al,** (maj 2010) Repeated exposure to low-level extremely low frequency-modulated microwaves affects cortex-hypothalamus interplay in freely moving rats: EEG study, Int J Radiat Biol. 2010 May;86(5):376-83.

– **Tomitsch J et al,** (april 2010) Survey of electromagnetic field exposure in bedrooms of residences in lower Austria, Bioelectromagnetics. 2010 Apr;31(3):200-8.

N **Takahashi S et al,** (mars 2010) Lack of adverse effects of whole-body exposure to a mobile telecommunication electromagnetic field on the rat fetus, Radiat Res. 2010 Mar;173(3):362-72.

P **Carpenter DO et al,** (januari 2010) Electromagnetic fields and cancer: the cost of doing nothing, Rev Environ Health. 2010 Jan-Mar;25(1):75-80.

N **Wallace D et al,** (januari 2010) Do TETRA (Airwave) Base Station Signals Have a Short-Term Impact on Health and Well-Being? A Randomized Double-Blind Provocation Study, Environ Health Perspect. 2010 Jan 14.

2009

– **Hu J et al,** (november 2009) Level of microwave radiation from mobile phone base stations built in residential districts, Wei Sheng Yan Jiu. 2009 Nov;38(6):712-6.

– **McNamee JP, Chauhan V.,** (september 2009) Radiofrequency radiation and gene/protein expression: a review, Radiat Res. 2009 Sep;172(3):265-87.

P **Sirav B et al,** (2009) Radio frequency radiation (RFR) from TV and radio transmitters at a pilot region in Turkey, Radiat Prot Dosimetry. 2009;136(2):114-7. Epub 2009 Aug 11.

P **Viel JF et al,** (augusti 2009) Radiofrequency exposure in the French general population: band, time, location and activity variability, Environ Int. 2009 Nov;35(8):1150-4. Epub 2009 Aug 4.

– **Frei P et al,** (augusti 2009) Temporal and spatial variability of personal exposure to radio frequency electromagnetic fields, Environ Res. 2009 Aug;109(6):779-85. Epub 2009 May 23.

N **Eltiti S et al,** (maj 2009) Short-term exposure to mobile phone base station signals does not affect cognitive functioning or physiological measures in individuals who report sensitivity to electromagnetic fields and controls, Bioelectromagnetics. 2009 May 27.

– **Viel JF et al,** (mars 2009) Residential exposure to radiofrequency fields from mobile-phone base stations, and broadcast transmitters: a population-based survey with personal meter, Occup Environ Med. 2009 Mar 30.

P **Balmori A,** (mars 2009) Electromagnetic pollution from phone masts. Effects on wildlife, Pathophysiology. 2009 Mar 3.

– **Kundi M, Hutter HP,** (mars 2009) Mobile phone base stations-Effects on wellbeing and health, Pathophysiology. 2009 Mar 2.

2008

P **Blettner M et al**, (november 2008) Mobile phone base stations and adverse health effects: Phase 1: A population-based cross-sectional study in Germany, Occup Environ Med. 2008 Nov 18.

P **Augner C et al**, (september 2008) GSM base stations: Short-term effects on well-being, Bioelectromagnetics. 2008 Sep 19.

P **Pavicic I, Trosic I**, (augusti 2008) In vitro testing of cellular response to ultra high frequency electromagnetic field radiation, Toxicol In Vitro. 2008 Aug;22(5):1344-8.

P **Eberhardt JL et al**, (2008) Blood-brain barrier permeability and nerve cell damage in rat brain 14 and 28 days after exposure to microwaves from GSM mobile phones, Electromagn Biol Med. 2008;27(3):215-29.

P **Aly AA et al**, (februari 2008) Effects of 900-MHz radio frequencies on the chemotaxis of human neutrophils in vitro, IEEE Trans Biomed Eng. 2008 Feb;55(2):795-7.

– **Hardell L, Sage C**, (februari 2008) Biological effects from electromagnetic field exposure and public exposure standards, Biomed Pharmacother. 2008 Feb;62(2):104-9.

2007

P **Everaert J, Bauwens D**, (2007) A possible effect of electromagnetic radiation from mobile phone base stations on the number of breeding house sparrows (Passer domesticus), Electromagn Biol Med. 2007;26(1):63-72.

P **Preece AW et al**, (juni 2007) Health response of two communities to military antennae in Cyprus, Occup Environ Med. 2007 Jun;64(6):402-8.

P **Abdel-Rassoul G et al**, (mars 2007) Neurobehavioral effects among inhabitants around mobile phone base stations, Neurotoxicology. 2007 Mar;28(2):434-40.

2006

P **Yurekli A et al**, (2006) GSM base station electromagnetic radiation and oxidative stress in rats, Electromagn Biol Med 25(3):177-88.

P **Hutter HP et al**, (maj 2006) Subjective symptoms, sleeping problems, and cognitive performance in subjects living near mobile phone base stations, Occup Environ Med. 2006 May;63(5):307-13.

2005

P **Balmori A**, (oktober 2005) Possible Effects of Electromagnetic Fields from Phone Masts on a Population of White Stork (Ciconia ciconia), Electromagn Biol Med 24: 109-119, 2005.

P **Reif JS et al**, (augusti 2005) Human responses to Residential RF exposure, 2 RO1 ES0008117-04.

N **Degrave E et al**, (2005) All-cause mortality among Belgian military radar operators: a 40-year controlled longitudinal study, Eur J Epidemiol. 2005;20(8):677-81.

2004

P **REFLEX Report**, (december 2004) Risk Evaluation of Potential Environmental Hazards From Low Frequency Electromagnetic Field Exposure Using Sensitive in vitro Methods, A project funded by the European Union under the programme ”Quality of Life and Management of Living Resources”.

P **Eger H et al,** (november 2004) The Influence of Being Physically Near to a Cell Phone Transmission Mast on the Incidence of Cancer, Umwelt Medizin Gesellschaft 17,4 2004.

P **Bortkiewicz A et al,** (2004) Subjective symptoms reported by people living in the vicinity of cellular phone base stations: review, Med Pr. 2004;55(4):345-51.

P **Oberfeld G et al,** (oktober 2004) The Microwave Syndrome - Further Aspects of a Spanish Study, Conference Proceedings.

P **Wolf R, Wolf D,** (april 2004) Increased incidence of cancer near a cell-phone transmitter station, International Journal of Cancer Prevention, 1(2) April 2004.

– **Roosli M et al,** (februari 2004) Symptoms of ill health ascribed to electromagnetic field exposure--a questionnaire survey, Int J Hyg Environ Health. 2004 Feb;207(2):141-50.

2003

P **Navarro EA et al,** (december 2003) The Microwave Syndrome: A Preliminary Study in Spain, Electromagn Biol Med 22(2-3): 161-169.

P **Santini R et al,** (september 2003) Symptoms experienced by people in vicinity of base stations: II/ Incidences of age, duration of exposure, location of subjects in relation to the antennas and other electromagnetic factors, Pathol Biol (Paris). 2003 Sep;51(7):412-5.

2002

P **Santini R et al,** (juli 2002) Investigation on the health of people living near mobile telephone relay stations: I/Incidence according to distance and sex, Pathol Biol (Paris) 2002 Jul;50(6):369-73.

Radiosändare

Sammanfattning

Antal studier i denna avdelning: 43 st

P 36 st / 83,7 % N 2 st / 4,7 % – 5 st / 11,6 %

2010

– **Baste V et al,** (januari 2010) Radiofrequency exposure on fast patrol boats in the Royal Norwegian Navy-an approach to a dose assessment, Bioelectromagnetics. 2010 Jan 6.

2009

P **Sirav B et al,** (2009) Radio frequency radiation (RFR) from TV and radio transmitters at a pilot region in Turkey, Radiat Prot Dosimetry. 2009;136(2):114-7. Epub 2009 Aug 11.

P **Viel JF et al,** (augusti 2009) Radiofrequency exposure in the French general population: band, time, location and activity variability, Environ Int. 2009 Nov;35(8):1150-4. Epub 2009 Aug 4.

P **Huttunen P et al,** (mars 2009) FM-radio and TV tower signals can cause spontaneous hand movements near moving RF reflector, Pathophysiology. 2009 Mar 4.

2008

N **Merzenich H et al,** (oktober 2008) Childhood Leukemia in Relation to Radio Frequency Electromagnetic Fields in the Vicinity of TV and Radio Broadcast Transmitters, Am J Epidemiol. 2008 Oct 3.

P **Baste V et al,** (april 2008) Radiofrequency electromagnetic fields; male infertility and sex ratio of offspring, Eur J Epidemiol. 2008 Apr 16.

2007

P **Clark ML et al,** (oktober 2007) Biomonitoring of estrogen and melatonin metabolites among women residing near radio and television broadcasting transmitters, J Occup Environ Med. 2007 Oct;49(10):1149-56.

P **Ha M et al,** (augusti 2007) Radio-frequency radiation exposure from AM radio transmitters and childhood leukemia and brain cancer, Am J Epidemiol. 2007 Aug 1;166(3):270-9.

2005

P **Reif JS et al,** (augusti 2005) Human responses to Residential RF exposure, 2 RO1 ES0008117-04.

P **Hallberg O, Johansson O,** (2005) FM broadcasting exposure time and malignant melanoma incidence, Electromagnetic Biology and Medicine 24; 1-8.

2004

P **Park SK et al,** (augusti 2004) Ecological study on residences in the vicinity of AM radio broadcasting towers and cancer death: preliminary observations in Korea, Int Arch Occup Environ Health. 2004 Aug;77(6):387-94.

P **Hallberg O, Johansson O**, (juli 2004) Malignant melanoma of the skin - not a sunshine story!, Med Sci Monit. 2004 Jul;10(7):CR336-40.

2003

P **Ha M et al**, (december 2003) Incidence of cancer in the vicinity of Korean AM radio transmitters, Arch Environ Health. 2003 Dec;58(12):756-62.

P **Hocking B, Gordon I**, (september 2003) Decreased survival for childhood leukemia in proximity to television towers, Arch Environ Health. 2003 Sep;58(9):560-4.

2002

P **Michelozzi P et al**, (juni 2002) Adult and childhood leukemia near a high-power radio station in Rome, Italy, Am J Epidemiol. 2002 Jun 15;155(12):1096-103.

P **Hallberg O, Johansson O**, (januari 2002) Melanoma incidence and frequency modulation (FM) broadcasting, Arch Environ Health. 2002 Jan-Feb;57(1):32-40.

2001

P **Michelozzi P et al**, (november 2001) Leukemia mortality and incidence of infantile leukemia near the Vatican Radio Station of Rome, Epidemiol Prev. 2001 Nov-Dec;25(6):249-55.

P **Lalic H et al**, (april 2001) Comparison of chromosome aberrations in peripheral blood lymphocytes from people occupationally exposed to ionizing and radiofrequency radiation, Acta Med Okayama. 2001 Apr;55(2):117-27.

P **Stang A et al**, (januari 2001) The possible role of radiofrequency radiation in the development of uveal melanoma, Epidemiology. 2001 Jan;12(1):7-12.

2000

P **Richter E et al**, (juli 2000) Cancer in radar technicians exposed to radiofrequency/microwave radiation: sentinel episodes, Int J Occup Environ Health. 2000 Jul-Sep;6(3):187-93.

– **Reeves GI**, (mars 2000) Review of extensive workups of 34 patients overexposed to radiofrequency radiation, Aviat Space Environ Med. 2000 Mar;71(3):206-15.

1999

P **Moszczynski P et al**, (1999) The effect of various occupational exposures to microwave radiation on the concentrations of immunoglobulins and T lymphocyte subsets, Wiad Lek. 1999;52(1-2):30-4.

1998

P **Dmoch A, Moszczynski P**, (1998) Levels of immunoglobulin and subpopulations of T lymphocytes and NK cells in men occupationally exposed to microwave radiation in frequencies of 6-12 GHz, Med Pr. 1998;49(1):45-9.

P **Szmigielski S et al**, (1998) Alteration of diurnal rhythms of blood pressure and heart rate to workers exposed to radiofrequency electromagnetic fields, Blood Press Monit. 1998;3(6):323-30.

P **Duan L et al**, (mars 1998) Observations of changes in neurobehavioral functions in workers exposed to high-frequency radiation, Zhonghua Yu Fang Yi Xue Za Zhi. 1998 Mar;32(2):109-11.

1997

P **Hjollund NH et al**, (november 1997) Semen analysis of personnel operating military radar equipment, Reprod Toxicol. 1997 Nov-Dec;11(6):897.

– **Lagorio S et al**, (1997) Mortality of plastic-ware workers exposed to radiofrequencies, Bioelectromagnetics. 1997;18(6):418-21.

P **Schilling CJ**, (april 1997) Effects of acute exposure to ultrahigh radiofrequency radiation on three antenna engineers, Occup Environ Med. 1997 Apr;54(4):281-4.

P **Bortkiewicz A et al**, (mars 1997) Ambulatory ECG monitoring in workers exposed to electromagnetic fields, J Med Eng Technol. 1997 Mar-Apr;21(2):41-6.

– **Dolk H et al**, (januari 1997) Cancer incidence near radio and television transmitters in Great Britain. II. All high power transmitters, Am J Epidemiol. 1997 Jan 1;145(1):10-7.

P **Dolk H et al**, (januari 1997) Cancer incidence near radio and television transmitters in Great Britain. I. Sutton Coldfield transmitter, Am J Epidemiol. 1997 Jan 1;145(1):1-9.

1996

P **Hocking B et al**, (december 1996) Cancer incidence and mortality and proximity to TV towers, Med J Aust. 1996 Dec 2-16;165(11-12):601-5.

P **Weyandt TB et al**, (november 1996) Semen analysis of military personnel associated with military duty assignments, Reprod Toxicol. 1996 Nov-Dec;10(6):521-8.

P **Bortkiewicz A et al**, (juli 1996) Heart rate variability in workers exposed to medium-frequency electromagnetic fields, J Auton Nerv Syst. 1996 Jul 5;59(3):91-7.

P **Grayson JK**, (mars 1996) Radiation exposure, socioeconomic status, and brain tumor risk in the US Air Force: a nested case-control study, Am J Epidemiol. 1996 Mar 1;143(5):480-6.

P **Tynes T et al**, (mars 1996) Incidence of breast cancer in Norwegian female radio and telegraph operators, Cancer Causes Control. 1996 Mar;7(2):197-204.

P **Kolodynski AA**, Kolodynska VV, (februari 1996) Motor and psychological functions of school children living in the area of the Skrunda Radio Location Station in Latvia, Sci Total Environ. 1996 Feb 2;180(1):87-93.

– **Holly EA et al**, (januari 1996) Intraocular melanoma linked to occupations and chemical exposures, Epidemiology. 1996 Jan;7(1):55-61.

1994

N **Guberan E et al**, (oktober 1994) Gender ratio of offspring and exposure to shortwave radiation among female physiotherapists, Scand J Work Environ Health. 1994 Oct;20(5):345-8.

P **Maskarinec G et al**, (1994) Investigation of increased incidence in childhood leukemia near radio towers in Hawaii: preliminary observations, J Environ Pathol Toxicol Oncol. 1994;13(1):33-7.

1993

P **Goldoni J et al**, (september 1993) Health status of personnel occupationally exposed to radiowaves, Arh Hig Rada Toksikol. 1993 Sep;44(3):223-8.

P **Davis RL, Mostofi FK**, (augusti 1993) Cluster of testicular cancer in police officers exposed to hand-held radar, Am J Ind Med. 1993 Aug;24(2):231-3.

1980

P **Holt JA**, (juni 1980) Changing epidemiology of malignant melanoma in Queensland, Med J Aust. 1980 Jun 14;1(12):619-20.

Kraftledningar och transformatorstationer, samt annan exponering för EMF-kraftfrekvenser (50/60 Hz)

Sammanfattning

Antal studier i denna avdelning: 270 st

P 169 st / 62,6 % N 34 st / 12,6 % – 67 st / 24,8 %

2010

– **Contessa GM et al,** (december 2010) Exposure to magnetic fields of railway engine drivers: a case study in Italy, Radiat Prot Dosimetry. 2010 Dec;142(2-4):160-7. Epub 2010 Nov 11.

P **Coskun O, Comlekci S,** (november 2010) Effect of ELF electric field on some on biochemistry characters in the rat serum, Toxicol Ind Health. 2010 Nov 18.

– **Maslanyj M et al,** (november 2010) A precautionary public health protection strategy for the possible risk of childhood leukaemia from exposure to power frequency magnetic fields, BMC Public Health. 2010 Nov 5;10:673.

P **Andel R et al,** (november 2010) Work-related exposure to extremely low-frequency magnetic fields and dementia: results from the population-based study of dementia in Swedish twins, J Gerontol A Biol Sci Med Sci. 2010 Nov;65(11):1220-7. Epub 2010 Jul 9.

P **Andel R et al,** (november 2010) Work-related exposure to extremely low-frequency magnetic fields and dementia: results from the population-based study of dementia in Swedish twins, J Gerontol A Biol Sci Med Sci. 2010 Nov;65(11):1220-7. Epub 2010 Jul 9.

– **Dubey RB et al,** (november 2010) Risk of brain tumors from wireless phone use, J Comput Assist Tomogr. 2010 Nov-Dec;34(6):799-807.

– **Kheifets L et al,** (oktober 2010) Risk governance for mobile phones, power lines, and other EMF technologies, Risk Anal. 2010 Oct;30(10):1481-94.

N **Kheifets L et al,** (oktober 2010) A pooled analysis of extremely low-frequency magnetic fields and childhood brain tumors, Am J Epidemiol. 2010 Oct 1;172(7):752-61. Epub 2010 Aug 9.

– **Kheifets L et al,** (september 2010) Pooled analysis of recent studies on magnetic fields and childhood leukaemia, Br J Cancer. 2010 Sep 28;103(7):1128-35.

– **Kroll ME et al,** (september 2010) Childhood cancer and magnetic fields from high-voltage power lines in England and Wales: a case-control study, Br J Cancer. 2010 Sep 28;103(7):1122-7.

– **Schmiedel S, Blettner M,** (september 2010) The association between extremely low-frequency electromagnetic fields and childhood leukaemia in epidemiology: enough is enough?, Br J Cancer. 2010 Sep 28;103(7):931-2.

N **Rajkovic V et al,** (augusti 2010) Studies on the synergistic effects of extremely low-frequency magnetic fields and the endocrine-disrupting compound atrazine on the thyroid gland, Int J Radiat Biol. 2010 Aug 10.

– **Mild KH, Mattsson MO,** (augusti 2010) ELF noise fields: a review, Electromagn Biol Med. 2010 Aug;29(3):72-97.

– **Calvente I et al,** (juli 2010) Exposure to electromagnetic fields (non-ionizing radiation) and its relationship with childhood leukemia: a systematic review, Sci Total Environ. 2010 Jul 15;408(16):3062-9. Epub 2010 May 7.

N **Auger N et al,** (juli 2010) The relationship between residential proximity to extremely low frequency power transmission lines and adverse birth outcomes, J Epidemiol Community Health. 2010 Jul 13.

– **Kheifets L et al,** (juli 2010) Exploring exposure-response for magnetic fields and childhood leukemia, J Expo Sci Environ Epidemiol. 2010 Jul 7.

N **Okudan N et al,** (2010) Effects of long-term 50 Hz magnetic field exposure on the micro nucleated polychromatic erythrocyte and blood lymphocyte frequency and argyrophilic nucleolar organizer regions in lymphocytes of mice, Neuro Endocrinol Lett. 2010;31(2):208-14.

P **Sohrabi MR et al,** (2010) Living near overhead high voltage transmission power lines as a risk factor for childhood acute lymphoblastic leukemia: a case-control study, Asian Pac J Cancer Prev. 2010;11(2):423-7.

N **Barth A et al,** (april 2010) Effects of extremely low-frequency magnetic field exposure on cognitive functions: results of a meta-analysis, Bioelectromagnetics. 2010 Apr;31(3):173-9.

P **Girgert R et al,** (april 2010) Signal transduction of the melatonin receptor MT1 is disrupted in breast cancer cells by electromagnetic fields, Bioelectromagnetics. 2010 Apr;31(3):237-45.

– **Tomitsch J et al,** (april 2010) Survey of electromagnetic field exposure in bedrooms of residences in lower Austria, Bioelectromagnetics. 2010 Apr;31(3):200-8.

P **Malagoli C et al,** (mars 2010) Risk of hematological malignancies associated with magnetic fields exposure from power lines: a case-control study in two municipalities of northern Italy, Environ Health. 2010 Mar 30;9:16.

P **Reyes-Guerrero G et al,** (mars 2010) Extremely low-frequency electromagnetic fields differentially regulate estrogen receptor-alpha and -beta expression in the rat olfactory bulb, Neurosci Lett. 2010 Mar 3;471(2):109-13. Epub 2010 Jan 18.

N **Chen C et al,** (februari 2010) Extremely low-frequency electromagnetic fields exposure and female breast cancer risk: a meta-analysis based on 24,338 cases and 60,628 controls, Breast Cancer Res Treat. 2010 Feb 10.

P **Carpenter DO et al,** (januari 2010) Electromagnetic fields and cancer: the cost of doing nothing, Rev Environ Health. 2010 Jan-Mar;25(1):75-80.

P **Focke F et al,** (januari 2010) DNA fragmentation in human fibroblasts under extremely low frequency electromagnetic field exposure, Mutat Res. 2010 Jan 5;683(1-2):74-83.

P **Li DK et al,** (januari 2010) Exposure to magnetic fields and the risk of poor sperm quality, Reprod Toxicol. 2010 Jan;29(1):86-92. Epub 2009 Nov 6.

2009

P **Celikler S et al,** (december 2009) A biomonitoring study of genotoxic risk to workers of transformers and distribution line stations, Int J Environ Health Res. 2009 Dec;19(6):421-30.

N **Hug K et al,** (januari 2010) Parental occupational exposure to extremely low frequency magnetic fields and childhood cancer: a German case-control study, Am J Epidemiol. 2010 Jan 1;171(1):27-35. Epub 2009 Nov 25.

– **Hirata A et al,** (2010) Intercomparison of induced fields in Japanese male model for ELF magnetic field exposures: effect of different computational methods and codes, Radiat Prot Dosimetry. 2010;138(3):237-44. Epub 2009 Nov 22.

P **Saito T et al,** (2010) Power-frequency magnetic fields and childhood brain tumors: a case-control study in Japan, J Epidemiol. 2010;20(1):54-61. Epub 2009 Nov 14.

P **Cvetkovic D, Cosic I,** (oktober 2009) Alterations of human electroencephalographic activity caused by multiple extremely low frequency magnetic field exposures, Med Biol Eng Comput. 2009 Oct;47(10):1063-73. Epub 2009 Aug 26.

P **Gobba F et al,** (oktober 2009) Natural killer cell activity decreases in workers occupationally exposed to extremely low frequency magnetic fields exceeding 1 microT, Int J Immunopathol Pharmacol. 2009 Oct-Dec;22(4):1059-66.

P **Albanese A et al,** (2009) Alterations in adenylate kinase activity in human PBMCs after in vitro exposure to electromagnetic field: comparison between extremely low frequency electromagnetic field (ELF) and therapeutic application of a musically modulated electromagnetic fiel, J Biomed Biotechnol. 2009;2009:717941. Epub 2009 Sep 16.

P **Eleuteri AM et al,** (2009) 50 Hz extremely low frequency electromagnetic fields enhance protein carbonyl groups content in cancer cells: effects on proteasomal systems, J Biomed Biotechnol. 2009;2009:834239. Epub 2009 Aug 5.

P **Robertson JA et al,** (augusti 2009) Low-frequency pulsed electromagnetic field exposure can alter neuroprocessing in humans, J R Soc Interface. 2009 Aug 5.

P **Contalbrigo L et al,** (augusti 2009) Effects of different electromagnetic fields on circadian rhythms of some haematochemical parameters in rats, Biomed Environ Sci. 2009 Aug;22(4):348-53.

P **Li P et al,** (augusti 2009) Maternal occupational exposure to extremely low frequency magnetic fields and the risk of brain cancer in the offspring, Cancer Causes Control. 2009 Aug;20(6):945-55. Epub 2009 Feb 18.

N **Kheifets L et al,** (juli 2009) Extremely low frequency electric fields and cancer: Assessing the evidence, Bioelectromagnetics. 2009 Jul 31.

P **Gonet B et al,** (juli 2009) Effects of extremely low-frequency magnetic fields on the oviposition of Drosophila melanogaster over three generations, Bioelectromagnetics. 2009 Jul 23.

P **Goodman R et al,** (juli 2009) Extremely low frequency electromagnetic fields activate the ERK cascade, increase hsp70 protein levels and promote regeneration in Planaria, Int J Radiat Biol. 2009 Jul 9:1-9.

P **Comba P, Fazzo L,** (2009) Health effects of magnetic fields generated from power lines: new clues for an old puzzle, Ann Ist Super Sanita. 2009;45(3):233-7.

– **Ruiz-Gomez MJ, Martinez-Morillo M,** (2009) Electromagnetic fields and the induction of DNA strand breaks, Electromagn Biol Med. 2009;28(2):201-14.

– **Mee T et al,** (april 2009) Occupational exposure of UK adults to ELF magnetic fields, Occup Environ Med. 2009 Apr 20.

P **Burda H et al,** (april 2009) Extremely low-frequency electromagnetic fields disrupt magnetic alignment of ruminants, Proc Natl Acad Sci U S A. 2009 Apr 7;106(14):5708-13. Epub 2009 Mar 19.

P **Fazzo L et al,** (april 2009) Morbidity experience in populations residentially exposed to 50 hz magnetic fields: methodology and preliminary findings of a cohort study, Int J Occup Environ Health. 2009 Apr-Jun;15(2):133-42.

P **Girgert R et al,** (april 2009) Exposure of mcf-7 breast cancer cells to electromagnetic fields up-regulates the plasminogen activator system, Int J Gynecol Cancer. 2009 Apr;19(3):334-8.

P **Davanipour Z, Sobel E,** (mars 2009) Long-term exposure to magnetic fields and the risks of Alzheimer's disease and breast cancer: Further biological research, Pathophysiology. 2009 Mar 9.

P **Novikov VV et al,** (mars 2009) Effect of weak combined static and extremely low-frequency alternating magnetic fields on tumor growth in mice inoculated with the Ehrlich ascites carcinoma, Bioelectromagnetics. 2009 Mar 6.

– **McNamee DA et al,** (februari 2009) A literature review: the cardiovascular effects of exposure to extremely low frequency electromagnetic fields, Int Arch Occup Environ Health. 2009 Feb 17.

2008

P **Yang Y et al,** (december 2008) Case-only study of interactions between DNA repair genes (hMLH1, APEX1, MGMT, XRCC1 and XPD) and low-frequency electromagnetic fields in childhood acute leukemia, Leuk Lymphoma. 2008 Dec;49(12):2344-50.

N **Burdak-Rothkamm S et al,** (november 2008) DNA and chromosomal damage in response to intermittent extremely low-frequency magnetic fields, Mutat Res. 2008 Nov 13.

– **Schuz J, Ahlbom A,** (oktober 2008) Exposure to electromagnetic fields and the risk of childhood leukaemia: a review, Radiat Prot Dosimetry. 2008 Oct 16.

P **Kim YW et al,** (oktober 2008) Effects of 60 Hz 14 microT magnetic field on the apoptosis of testicular germ cell in mice, Bioelectromagnetics. 2008 Oct 6.

P **Huss A et al,** (november 2008) Residence Near Power Lines and Mortality From Neurodegenerative Diseases: Longitudinal Study of the Swiss Population, Am J Epidemiol. 2008 Nov 5.

N **Bernard N et al,** (oktober 2008) Assessing the Potential Leukemogenic Effects of 50 Hz and their Harmonics Using an Animal Leukemia Model, J Radiat Res (Tokyo). 2008 Oct 4.

– **Kheifets L et al,** (september 2008) Future needs of occupational epidemiology of extremely low frequency (ELF) electric and magnetic fields (EMF): review and recommendations, Occup Environ Med. 2008 Sep 19.

P **Gobba F et al,** (september 2008) Extremely Low Frequency-Magnetic Fields (ELF-EMF) occupational exposure and natural killer activity in peripheral blood lymphocytes, Sci Total Environ. 2008 Sep 18.

N **Poulletier de Gannes F et al,** (september 2008) Amyotrophic Lateral Sclerosis (ALS) and extremely-low frequency (ELF) magnetic fields: a study in the SOD-1 transgenic mouse model, Amyotroph Lateral Scler. 2008 Sep 1:1-4.

P **Falone S et al,** (juni 2008) Chronic exposure to 50Hz magnetic fields causes a significant weakening of antioxidant defence systems in aged rat brain, Int J Biochem Cell Biol. 2008 Jun 10.

P **Al-Akhras MA et al,** (2008) Influence of 50 Hz magnetic field on sex hormones and body, uterine, and ovarian weights of adult female rats, Electromagn Biol Med. 2008;27(2):155-63.

P **Blank M,** (2008) Protein and DNA reactions stimulated by electromagnetic fields, Electromagn Biol Med. 2008;27(1):3-23.

– **Kheifets L et al**, (juni 2008) Occupational electromagnetic fields and leukemia and brain cancer: an update to two meta-analyses, J Occup Environ Med. 2008 Jun;50(6):677-88.

P **Milham S, Morgan LL**, (maj 2008) A new electromagnetic exposure metric: High frequency voltage transients associated with increased cancer incidence in teachers in a california school, Am J Ind Med. 2008 May 29.

– **Sharifian A et al**, (maj 2008) Effect of extremely low frequency magnetic field on antioxidant activity in plasma and red blood cells in spot welders., Int Arch Occup Environ Health. 2008 May 27.

P **Keklikci U et al**, (maj 2008) The effect of extremely low frequency magnetic field on the conjunctiva and goblet cells, Curr Eye Res. 2008 May;33(5):441-6.

P **Garcia AM et al**, (april 2008) Occupational exposure to extremely low frequency electric and magnetic fields and Alzheimer disease: a meta-analysis, Int J Epidemiol. 2008 Feb 2.

P **Henshaw DL et al**, (april 2008) Can disturbances in the atmospheric electric field created by powerline corona ions disrupt melatonin production in the pineal gland?, J Pineal Res. 2008 Apr 1.

P **St-Pierre LS et al**, (april 2008) Altered blood chemistry and hippocampal histomorphology in adult rats following prenatal exposure to physiologically-patterned, weak (50-500 nanoTesla range) magnetic fields, Int J Radiat Biol. 2008 Apr;84(4):325-35.

P **Liu T et al**, (mars 2008) Chronic exposure to low-intensity magnetic field improves acquisition and maintenance of memory, Neuroreport. 2008 Mar 25;19(5):549-52.

P **Erdal N et al**, (mars 2008) Effects of Long-term Exposure of Extremely Low Frequency Magnetic Field on Oxidative/Nitrosative Stress in Rat Liver, J Radiat Res (Tokyo). 2008 Mar;49(2):181-7.

– **Hardell L, Sage C**, (februari 2008) Biological effects from electromagnetic field exposure and public exposure standards, Biomed Pharmacother. 2008 Feb;62(2):104-9.

– **Clapp RW et al**, (januari 2008) Environmental and occupational causes of cancer: new evidence 2005-2007, Rev Environ Health. 2008 Jan-Mar;23(1):1-37.

P **Fedrowitz M, Loscher W**, (januari 2008) Exposure of Fischer 344 rats to a weak power frequency magnetic field facilitates mammary tumorigenesis in the DMBA model of breast cancer, Carcinogenesis. 2008 Jan;29(1):186-93.

2007

P **Lowenthal RM et al**, (september 2007) Residential exposure to electric power transmission lines and risk of lymphoproliferative and myeloproliferative disorders: a case-control study, Intern Med J. 2007 Sep;37(9):614-9.

P **Pearce MS et al**, (september 2007) Paternal occupational exposure to electro-magnetic fields as a risk factor for cancer in children and young adults: a case-control study from the North of England, Pediatr Blood Cancer. 2007 Sep;49(3):280-6.

N **Scaringi M et al**, (september 2007) Evaluation of the genotoxicity of the extremely low frequency-magnetic fields (ELF-MF) in workers exposed for professional reasons, G Ital Med Lav Ergon. 2007 Jul-Sep;29(3 Suppl):420-1.

P **Einstein AJ et al**, (juli 2007) Estimating risk of cancer associated with radiation exposure from 64-slice computed tomography coronary angiography, JAMA. 2007 Jul 18;298(3):317-23.

P **Budi A et al**, (maj 2007) Effect of frequency on insulin response to electric field stress, J Phys Chem B. 2007 May 24;111(20):5748-56.

P **SAGE**, (april 2007) SAGE first interim assessment: Power Lines and Property, Wiring in Homes, and Electrical Equipment in Homes.

– **Maslanyj MP et al**, (mars 2007) Investigation of the sources of residential power frequency magnetic field exposure in the UK Childhood Cancer Study, J Radiol Prot. 2007 Mar;27(1):41-58.

– **Cech R et al**, (februari 2007) Fetal exposure to low frequency electric and magnetic fields, Phys Med Biol. 2007 Feb 21;52(4):879-88.

2006

– **Ravindra T et al**, (december 2006) Melatonin in pathogenesis and therapy of cancer, Indian J Med Sci. 2006 Dec;60(12):523-35.

– **Havas M**, (2006) Electromagnetic hypersensitivity: biological effects of dirty electricity with emphasis on diabetes and multiple sclerosis, Electromagn Biol Med. 2006;25(4):259-68.

P **Kheifets L et al**, (oktober 2006) Public Health Impact of Extremely Low-Frequency Electromagnetic Fields, Environ Health Perspect 114:1532-1537.

– **Kheifets L et al**, (oktober 2006) Childhood leukemia, electric and magnetic fields, and temporal trends, Bioelectromagnetics. 2006 Oct;27(7):545-52.

P **Rajkovic V et al**, (september 2006) Light and electron microscopic study of the thyroid gland in rats exposed to power-frequency electromagnetic fields, J Exp Biol. 2006 Sep;209(Pt 17):3322-8.

– **Swanson J et al**, (september 2006) Power-frequency electric and magnetic fields in the light of Draper et al. 2005, Ann N Y Acad Sci. 2006 Sep;1076:318-30.

P **Cao YN et al**, (augusti 2006) Effects of exposure to extremely low frequency electromagnetic fields on reproduction of female mice and development of offsprings, Zhonghua Lao Dong Wei Sheng Zhi Ye Bing Za Zhi. 2006 Aug;24(8):468-70.

P **Kabuto M et al**, (augusti 2006) Childhood leukemia and magnetic fields in Japan: a case-control study of childhood leukemia and residential power-frequency magnetic fields in Japan, Int J Cancer. 2006 Aug 1;119(3):643-50.

P **Espinosa JM et al**, (juli 2006) Exposure to AC and DC magnetic fields induces changes in 5-HT1B receptor binding parameters in rat brain membranes, Bioelectromagnetics. 2006 Jul;27(5):414-22.

P **Juutilainen J, Kumlin T**, (juli 2006) Occupational magnetic field exposure and melatonin: interaction with light-at-night, Bioelectromagnetics. 2006 Jul;27(5):423-6.

– **Blackman CF**, (2006) Can EMF exposure during development leave an imprint later in life?, Electromagn Biol Med. 2006;25(4):217-25.

P **Fadel RA et al**, (juni 2006) Growth assessment of children exposed to low frequency electromagnetic fields at the Abu Sultan area in Ismailia (Egypt), Anthropol Anz. 2006 Jun;64(2):211-26.

P **Persinger MA**, (2006) A potential multiple resonance mechanism by which weak magnetic fields affect molecules and medical problems: the example of melatonin and experimental ”multiple sclerosis”, Med Hypotheses. 2006;66(4):811-5.

N **Feychting M, Forssen U**, (maj 2006) Electromagnetic fields and female breast cancer, Cancer Causes Control. 2006 May;17(4):553-8.

P **Altpeter ES et al**, (februari 2006) Effect of short-wave (6-22 MHz) magnetic fields on sleep quality and melatonin cycle in humans: the Schwarzenburg shut-down study, Bioelectromagnetics. 2006 Feb;27(2):142-50.

P **Bediz CS et al**, (februari 2006) Zinc supplementation ameliorates electromagnetic field-induced lipid peroxidation in the rat brain, Tohoku J Exp Med. 2006 Feb;208(2):133-40.

– **Elwood JM**, (februari 2006) Childhood leukemia and residential magnetic fields: are pooled analyses more valid than the original studies?, Bioelectromagnetics. 2006 Feb;27(2):112-8.

P **Juutilainen J et al**, (januari 2006) Do extremely low frequency magnetic fields enhance the effects of environmental carcinogens? A meta-analysis of experimental studies, Int J Radiat Biol. 2006 Jan;82(1):1-12.

2005

P **Blask DE et al**, (december 2005) Melatonin-depleted blood from premenopausal women exposed to light at night stimulates growth of human breast cancer xenografts in nude rats, Cancer Res. 2005 Dec 1;65(23):11174-84.

P **Budi A et al**, (december 2005) Electric field effects on insulin chain-B conformation, J Phys Chem B. 2005 Dec 1;109(47):22641-8.

P **Li L et al**, (december 2005) Pulsed electric field exposure of insulin induces anti-proliferative effects on human hepatocytes, Bioelectromagnetics. 2005 Dec;26(8):639-47.

P **Girgert R et al**, (november 2005) Induction of tamoxifen resistance in breast cancer cells by ELF electromagnetic fields, Biochem Biophys Res Commun. 2005 Nov 4;336(4):1144-9.

P **Rajkovic V et al**, (november 2005) The effect of extremely low-frequency electromagnetic fields on skin and thyroid amine- and peptide-containing cells in rats: an immunohistochemical and morphometrical study, Environ Res. 2005 Nov;99(3):369-77.

– **Maslanyj MP et al**, (augusti 2005) Investigation and Identification of Sources of Residential Magnetic Field Exposures in the United Kingdom Childhood Cancer Study (UKCCS), HPA-RPD-005 - ISBN 0 85951 564 8.

P **Winker R et al**, (augusti 2005) Chromosomal damage in human diploid fibroblasts by intermittent exposure to extremely low-frequency electromagnetic fields, Mutat Res. 2005 Aug 1;585(1-2):43-9.

P **Rajkovic V et al**, (juli 2005) Histological characteristics of cutaneous and thyroid mast cell populations in male rats exposed to power-frequency electromagnetic fields, Int J Radiat Biol. 2005 Jul;81(7):491-9.

– **Vijayalaxmi, Obe G**, (juli 2005) Controversial cytogenetic observations in mammalian somatic cells exposed to extremely low frequency electromagnetic radiation: a review and future research recommendations, Bioelectromagnetics. 2005 Jul;26(5):412-30.

– **Crumpton MJ**, (juni 2005) The Bernal Lecture 2004 Are low-frequency electromagnetic fields a health hazard?, Philos Trans R Soc Lond B Biol Sci. 2005 Jun 29;360(1458):1223-30.

P **Ivancsits S et al**, (juni 2005) Cell type-specific genotoxic effects of intermittent extremely low-frequency electromagnetic fields, Mutat Res. 2005 Jun 6;583(2):184-8.

P **Draper G et al**, (juni 2005) Childhood cancer in relation to distance from high voltage power lines in England and Wales: a case-control study, BMJ. 2005 Jun 4;330(7503):1290.

P **Chiu RS, Stuchly MA**, (juni 2005) Electric fields in bone marrow substructures at power-line frequencies, IEEE Trans Biomed Eng. 2005 Jun;52(6):1103-9.

P **Henshaw DL, Reiter RJ**, (2005) Do magnetic fields cause increased risk of childhood leukemia via melatonin disruption?, Bioelectromagnetics. 2005;Suppl 7:S86-97.

P **Sims S, Dent P,** (2005) High-voltage Overhead Power Lines and Property Values: A Residential Study in the UK, Urban Studies, Vol. 42, No. 4, 665-694 (2005).

– **Klaeboe L et al,** (maj 2005) Residential and occupational exposure to 50-Hz magnetic fields and brain tumours in Norway: a population-based study, Int J Cancer. 2005 May 20;115(1):137-41.

– **Carrillo-Vico A et al,** (februari 2005) Human lymphocyte-synthesized melatonin is involved in the regulation of the interleukin-2/interleukin-2 receptor system, J Clin Endocrinol Metab. 2005 Feb;90(2):992-1000.

– **Leszczynski D,** (februari 2005) Rapporteur report: cellular, animal and epidemiological studies of the effects of static magnetic fields relevant to human health, Prog Biophys Mol Biol. 2005 Feb-Apr;87(2-3):247-53.

P **Miyakoshi J,** (februari 2005) Effects of static magnetic fields at the cellular level, Prog Biophys Mol Biol. 2005 Feb-Apr;87(2-3):213-23.

N **Kleinerman RA et al,** (januari 2005) Self-reported electrical appliance use and risk of adult brain tumors, Am J Epidemiol. 2005 Jan 15;161(2):136-46.

P **Liu Y et al,** (januari 2005) Magnetic field effect on singlet oxygen production in a biochemical system, Chem Commun (Camb). 2005 Jan 14;(2):174-6.

2004

– **Crumpton MJ, Collins AR,** (oktober 2004) Are environmental electromagnetic fields genotoxic?, DNA Repair (Amst). 2004 Oct 5;3(10):1385-7.

P **Lupke M et al,** (september 2004) Cell activating capacity of 50 Hz magnetic fields to release reactive oxygen intermediates in human umbilical cord blood-derived monocytes and in Mono Mac 6 cells, Free Radic Res. 2004 Sep;38(9):985-93.

P **Simko M, Mattsson MO,** (september 2004) Extremely low frequency electromagnetic fields as effectors of cellular responses in vitro: possible immune cell activation, J Cell Biochem. 2004 Sep 1;93(1):83-92.

– **Wakeford R,** (augusti 2004) The cancer epidemiology of radiation, Oncogene. 2004 Aug 23;23(38):6404-28.

P **Kliukiene J et al,** (maj 2004) Residential and occupational exposures to 50-Hz magnetic fields and breast cancer in women: a population-based study, Am J Epidemiol. 2004 May 1;159(9):852-61.

P **Lai H, Singh NP,** (maj 2004) Magnetic-field-induced DNA strand breaks in brain cells of the rat, Environ Health Perspect. 2004 May;112(6):687-94.

P **Lee BC et al,** (januari 2004) Effects of extremely low frequency magnetic field on the antioxidant defense system in mouse brain: a chemiluminescence study, J Photochem Photobiol B. 2004 Jan 23;73(1-2):43-8.

P **Fedrowitz M et al,** (januari 2004) Significant differences in the effects of magnetic field exposure on 7,12-dimethylbenz(a)anthracene-induced mammary carcinogenesis in two substrains of Sprague-Dawley rats, Cancer Res. 2004 Jan 1;64(1):243-51.

N **Johansen C,** (2004) Electromagnetic fields and health effects--epidemiologic studies of cancer, diseases of the central nervous system and arrhythmia-related heart disease, Scand J Work Environ Health. 2004;30 Suppl 1:1-30.

– **Rodriguez C et al**, (januari 2004) Regulation of antioxidant enzymes: a significant role for melatonin, J Pineal Res. 2004 Jan;36(1):1-9.

2003

– **Tynes T, Haldorsen T**, (oktober 2003) Residential and occupational exposure to 50 Hz magnetic fields and hematological cancers in Norway, Cancer Causes Control. 2003 Oct;14(8):715-20.

– **Hakansson N et al**, (september 2003) Occupational exposure to extremely low frequency magnetic fields and mortality from cardiovascular disease, Am J Epidemiol. 2003 Sep 15;158(6):534-42.

– **Tikhonova GI et al**, (september 2003) Remote effects of occupational and non-occupational exposure to electromagnetic fields of power-line frequency. Epidemiological studies, Radiats Biol Radioecol. 2003 Sep-Oct;43(5):555-8.

P **Feychting M et al**, (juli 2003) Occupational magnetic field exposure and neurodegenerative disease, Epidemiology. 2003 Jul;14(4):413-9; discussion 427-8.

P **Hakansson N et al**, (juli 2003) Neurodegenerative diseases in welders and other workers exposed to high levels of magnetic fields, Epidemiology. 2003 Jul;14(4):420-6; discussion 427-8.

P **Infante-Rivard C, Deadman JE**, (juli 2003) Maternal occupational exposure to extremely low frequency magnetic fields during pregnancy and childhood leukemia, Epidemiology. 2003 Jul;14(4):437-41.

P **Ivancsits S et al**, (juli 2003) Age-related effects on induction of DNA strand breaks by intermittent exposure to electromagnetic fields, Mech Ageing Dev. 2003 Jul;124(7):847-50.

P **Ivancsits S et al**, (juli 2003) Intermittent extremely low frequency electromagnetic fields cause DNA damage in a dose-dependent way, Int Arch Occup Environ Health. 2003 Jul;76(6):431-6.

P **Cho YH, Chung HW**, (juni 2003) The effect of extremely low frequency electromagnetic fields (ELF-EMF) on the frequency of micronuclei and sister chromatid exchange in human lymphocytes induced by benzo(a)pyrene, Toxicol Lett. 2003 Jun 5;143(1):37-44.

– **Habash RW et al**, (2003) Health risks of electromagnetic fields. Part I: Evaluation and assessment of electric and magnetic fields, Crit Rev Biomed Eng. 2003;31(3):141-95.

P **Lewy H et al**, (juni 2003) Magnetic field (50 Hz) increases N-acetyltransferase, hydroxy-indole-O-methyltransferase activity and melatonin release through an indirect pathway, Int J Radiat Biol. 2003 Jun;79(6):431-5.

N **Touitou Y et al**, (juni 2003) Magnetic fields and the melatonin hypothesis: a study of workers chronically exposed to 50-Hz magnetic fields, Am J Physiol Regul Integr Comp Physiol. 2003 Jun;284(6):R1529-35.

P **Tynes T et al**, (maj 2003) Residential and occupational exposure to 50 Hz magnetic fields and malignant melanoma: a population based study, Occup Environ Med. 2003 May;60(5):343-7.

P **Charles LE et al**, (april 2003) Electromagnetic fields, polychlorinated biphenyls, and prostate cancer mortality in electric utility workers, Am J Epidemiol. 2003 Apr 15;157(8):683-91.

P **van Wijngaarden E**, (januari 2003) An exploratory investigation of suicide and occupational exposure, J Occup Environ Med. 2003 Jan;45(1):96-101.

2002

P **Kaune WT**, (december 2002) Thermal noise limit on the sensitivity of cellular membranes to power frequency electric and magnetic fields, Bioelectromagnetics. 2002 Dec;23(8):622-8.

– **Navas-Acien A et al**, (december 2002) Interactive effect of chemical substances and occupational electromagnetic field exposure on the risk of gliomas and meningiomas in Swedish men, Cancer Epidemiol Biomarkers Prev. 2002 Dec;11(12):1678-83.

P **Kavet R, Zaffanella LE**, (september 2002) Contact voltage measured in residences: implications to the association between magnetic fields and childhood leukemia, Bioelectromagnetics. 2002 Sep;23(6):464-74.

P **Ivancsits S et al**, (augusti 2002) Induction of DNA strand breaks by intermittent exposure to extremely-low-frequency electromagnetic fields in human diploid fibroblasts, Mutat Res. 2002 Aug 26;519(1-2):1-13.

P **Henshaw DL**, (juli 2002) Does our electricity distribution system pose a serious risk to public health?, Med Hypotheses. 2002 Jul;59(1):39-51.

P **California EMF Program**, (juni 2002) An Evaluation of the Possible Risks From Electric and Magnetic Fields (EMFs) From Power Lines, Internal Wiring, Electrical Occupations and Appliances.

P **Fedrowitz M et al**, (mars 2002) Magnetic field exposure increases cell proliferation but does not affect melatonin levels in the mammary gland of female Sprague Dawley rats, Cancer Res. 2002 Mar 1;62(5):1356-63.

P **Noonan CW et al**, (februari 2002) Occupational exposure to magnetic fields in case-referent studies of neurodegenerative diseases, Scand J Work Environ Health. 2002 Feb;28(1):42-8.

P **Villeneuve PJ et al**, (februari 2002) Brain cancer and occupational exposure to magnetic fields among men: results from a Canadian population-based case-control study, Int J Epidemiol. 2002 Feb;31(1):210-7.

P **Lee GM et al**, (januari 2002) A nested case-control study of residential and personal magnetic field measures and miscarriages, Epidemiology. 2002 Jan;13(1):21-31.

P **Li DK et al**, (januari 2002) A population-based prospective cohort study of personal exposure to magnetic fields during pregnancy and the risk of miscarriage, Epidemiology. 2002 Jan;13(1):9-20.

2001

P **Ahlbom A et al**, (december 2001) Review of the epidemiologic literature on EMF and Health, Environ Health Perspect. 2001 Dec;109 Suppl 6:911-33.

P **Johansson O et al**, (november 2001) J Cutan Pathol. 2001 Nov;28(10):513-9., J Cutan Pathol. 2001 Nov;28(10):513-9.

P **Davis S et al**, (oktober 2001) Residential magnetic fields, light-at-night, and nocturnal urinary 6-sulfatoxymelatonin concentration in women, Am J Epidemiol. 2001 Oct 1;154(7):591-600.

P **Levallois P et al**, (oktober 2001) Effects of electric and magnetic fields from high-power lines on female urinary excretion of 6-sulfatoxymelatonin, Am J Epidemiol. 2001 Oct 1;154(7):601-9.

– **De Roos AJ et al**, (september 2001) Parental occupational exposures to electromagnetic fields and radiation and the incidence of neuroblastoma in offspring, Epidemiology. 2001 Sep;12(5):508-17.

P **Simko M et al**, (augusti 2001) Micronucleus induction in Syrian hamster embryo cells following exposure to 50 Hz magnetic fields, benzo(a)pyrene, and TPA in vitro, Mutat Res. 2001 Aug 22;495(1-2):43-50.

P **Beale IL et al**, (augusti 2001) Association Of Health Problems With 50 -Hz Magnetic Fields In Human Adults Living Near Power Transmission Lines, Journal of the Australasian College of Nutritional & Environmental Mediciine, 20(2) Augusti 2001.

P **Cano MI, Pollan M**, (augusti 2001) Non-Hodgkin's lymphomas and occupation in Sweden, Int Arch Occup Environ Health. 2001 Aug;74(6):443-9.

P **Ishido M et al**, (juli 2001) Magnetic fields (MF) of 50 Hz at 1.2 microT as well as 100 microT cause uncoupling of inhibitory pathways of adenylyl cyclase mediated by melatonin 1a receptor in MF-sensitive MCF-7 cells, Carcinogenesis. 2001 Jul;22(7):1043-8.

P **van Wijngaarden E et al**, (juli 2001) Population-based case-control study of occupational exposure to electromagnetic fields and breast cancer, Ann Epidemiol. 2001 Jul;11(5):297-303.

P **Ahlbom A**, (2001) Neurodegenerative diseases, suicide and depressive symptoms in relation to EMF, Bioelectromagnetics. 2001;Suppl 5:S132-43.

– **Erren TC**, (2001) A meta-analysis of epidemiologic studies of electric and magnetic fields and breast cancer in women and men, Bioelectromagnetics. 2001;Suppl 5:S105-19.

– **Keetley V et al**, (juni 2001) Neuropsychological sequelae of 50 Hz magnetic fields, Int J Radiat Biol. 2001 Jun;77(6):735-42.

P **Li X et al**, (juni 2001) Effects of low frequency pulsed electric field on insulin studied by fluorescent spectrum, Guang Pu Xue Yu Guang Pu Fen Xi. 2001 Jun;21(3):406-8.

P **Wartenberg D**, (2001) Residential EMF exposure and childhood leukemia: meta-analysis and population attributable risk, Bioelectromagnetics. 2001;Suppl 5:S86-104.

– **Fabbro-Peray P et al**, (april 2001) Environmental risk factors for non-Hodgkin's lymphoma: a population-based case-control study in Languedoc-Roussillon, France, Cancer Causes Control. 2001 Apr;12(3):201-12.

P **Milham S, Ossiander EM**, (mars 2001) Historical evidence that residential electrification caused the emergence of the childhood leukemia peak, Med Hypotheses. 2001 Mar;56(3):290-5.

N **Pollan M et al**, (mars 2001) Breast cancer, occupation, and exposure to electromagnetic fields among Swedish men, Am J Ind Med. 2001 Mar;39(3):276-85.

P **Schuz J et al**, (mars 2001) Residential magnetic fields as a risk factor for childhood acute leukaemia: results from a German population-based case-control study, Int J Cancer. 2001 Mar 1;91(5):728-35.

P **Blackman CF et al**, (februari 2001) The influence of 1.2 microT, 60 Hz magnetic fields on melatonin- and tamoxifen-induced inhibition of MCF-7 cell growth, Bioelectromagnetics. 2001 Feb;22(2):122-8.

P **Hansen J**, (januari 2001) Increased breast cancer risk among women who work predominantly at night, Epidemiology. 2001 Jan;12(1):74-7.

2000

P **Cecconi S et al**, (november 2000) Evaluation of the effects of extremely low frequency electromagnetic fields on mammalian follicle development, Hum Reprod. 2000 Nov;15(11):2319-25.

– **Greenland S et al**, (november 2000) A pooled analysis of magnetic fields, wire codes, and childhood leukemia. Childhood Leukemia-EMF Study Group, Epidemiology. 2000 Nov;11(6):624-34.

– **Savitz DA et al**, (oktober 2000) Case-cohort analysis of brain cancer and leukemia in electric utility workers using a refined magnetic field job-exposure matrix, Am J Ind Med. 2000 Oct;38(4):417-25.

P **Ahlbom A et al**, (september 2000) A pooled analysis of magnetic fields and childhood leukaemia, Br J Cancer. 2000 Sep;83(5):692-8.

– **Anderson LE et al**, (september 2000) Effects of 50- or 60-hertz, 100 microT magnetic field exposure in the DMBA mammary cancer model in Sprague-Dawley rats: possible explanations for different results from two laboratories, Environ Health Perspect. 2000 Sep;108(9):797-802.

P **Johansen C**, (september 2000) Exposure to electromagnetic fields and risk of central nervous system disease in utility workers, Epidemiology. 2000 Sep;11(5):539-43.

N **Boorman GA et al**, (maj 2000) Leukemia and lymphoma incidence in rodents exposed to low-frequency magnetic fields, Radiat Res. 2000 May;153(5 Pt 2):627-36.

N **Loberg LI et al**, (maj 2000) Expression of cancer-related genes in human cells exposed to 60 Hz magnetic fields, Radiat Res. 2000 May;153(5 Pt 2):679-84.

P **van Wijngaarden E et al**, (april 2000) Exposure to electromagnetic fields and suicide among electric utility workers: a nested case-control study, Occup Environ Med. 2000 Apr;57(4):258-63.

– **Hatch EE et al**, (mars 2000) Do confounding or selection factors of residential wiring codes and magnetic fields distort findings of electromagnetic fields studies?, Epidemiology. 2000 Mar;11(2):189-98.

P **Miyakoshi J et al**, (februari 2000) Suppression of heat-induced HSP-70 by simultaneous exposure to 50 mT magnetic field, Life Sci. 2000 Feb 18;66(13):1187-96.

P **Burch JB et al**, (februari 2000) Melatonin metabolite levels in workers exposed to 60-Hz magnetic fields: work in substations and with 3-phase conductors, J Occup Environ Med. 2000 Feb;42(2):136-42.

P **Wei M et al**, (februari 2000) Exposure to 60-Hz magnetic fields and proliferation of human astrocytoma cells in vitro, Toxicol Appl Pharmacol. 2000 Feb 1;162(3):166-76.

– **Forssen UM et al**, (januari 2000) Occupational and residential magnetic field exposure and breast cancer in females, Epidemiology. 2000 Jan;11(1):24-9.

1999

N **UKCCS**, (december 1999) Exposure to power-frequency magnetic fields and the risk of childhood cancer. UK Childhood Cancer Study Investigators, Lancet. 1999 Dec 4;354(9194):1925-31.

P **Fews AP et al**, (december 1999) Corona ions from powerlines and increased exposure to pollutant aerosols, Int J Radiat Biol. 1999 Dec;75(12):1523-31.

P **Fews AP et al**, (december 1999) Increased exposure to pollutant aerosols under high voltage power lines, Int J Radiat Biol. 1999 Dec;75(12):1505-21.

– **Irgens A et al**, (december 1999) The effect of male occupational exposure in infertile couples in Norway, J Occup Environ Med. 1999 Dec;41(12):1116-20.

P **Pipkin JL et al**, (september 1999) Induction of stress proteins by electromagnetic fields in cultured HL-60 cells, Bioelectromagnetics. 1999 Sep;20(6):347-57.

N **Anderson LE et al**, (augusti 1999) Effect of 13 week magnetic field exposures on DMBA-initiated mammary gland carcinomas in female Sprague-Dawley rats, Carcinogenesis. 1999 Aug;20(8):1615-20.

– **Loberg LI et al**, (augusti 1999) Gene expression in human breast epithelial cells exposed to 60 Hz magnetic fields, Carcinogenesis. 1999 Aug;20(8):1633-6.

P **Thun-Battersby S et al**, (augusti 1999) Exposure of Sprague-Dawley rats to a 50-Hertz, 100-microTesla magnetic field for 27 weeks facilitates mammary tumorigenesis in the 7,12-dimethylbenz[a]-anthracene model of breast cancer, Cancer Res. 1999 Aug 1;59(15):3627-33.

P **Green LM et al**, (juli 1999) A case-control study of childhood leukemia in southern Ontario, Canada, and exposure to magnetic fields in residences, Int J Cancer. 1999 Jul 19;82(2):161-70.

– **Burch JB et al**, (juli 1999) Reduced excretion of a melatonin metabolite in workers exposed to 60 Hz magnetic fields, Am J Epidemiol. 1999 Jul 1;150(1):27-36.

P **Galvanovskis J et al**, (1999) Cytoplasmic Ca2+ oscillations in human leukemia T-cells are reduced by 50 Hz magnetic fields, Bioelectromagnetics. 1999;20(5):269-76.

P **Graham C, Cook MR**, (1999) Human sleep in 60 Hz magnetic fields, Bioelectromagnetics. 1999;20(5):277-83.

N **Boorman GA et al**, (maj 1999) Effect of 26 week magnetic field exposures in a DMBA initiation-promotion mammary gland model in Sprague-Dawley rats, Carcinogenesis. 1999 May;20(5):899-904.

N **McBride ML et al**, (maj 1999) Power-frequency electric and magnetic fields and risk of childhood leukemia in Canada, Am J Epidemiol. 1999 May 1;149(9):831-42.

1998

N **Jahreis GP et al**, (december 1998) Absence of 60-Hz, 0.1-mT magnetic field-induced changes in oncogene transcription rates or levels in CEM-CM3 cells, Biochim Biophys Acta. 1998 Dec 22;1443(3):334-42.

P **Johansen C, Olsen JH**, (augusti 1998) Mortality from amyotrophic lateral sclerosis, other chronic disorders, and electric shocks among utility workers, Am J Epidemiol. 1998 Aug 15;148(4):362-8.

– **McCann J et al**, (augusti 1998) The genotoxic potential of electric and magnetic fields: an update, Mutat Res. 1998 Aug;411(1):45-86.

– **Feychting M et al**, (juli 1998) Magnetic fields and breast cancer in Swedish adults residing near high-voltage power lines, Epidemiology. 1998 Jul;9(4):392-7.

P **Burch JB et al**, (juni 1998) Nocturnal excretion of a urinary melatonin metabolite among electric utility workers, Scand J Work Environ Health. 1998 Jun;24(3):183-9.

P **Lagroye I, Poncy JL**, (1998) Influences of 50-Hz magnetic fields and ionizing radiation on c-jun and c-fos oncoproteins, Bioelectromagnetics. 1998;19(2):112-6.

P **Lai H et al**, (1998) Acute exposure to a 60 Hz magnetic field affects rats' water-maze performance, Bioelectromagnetics. 1998;19(2):117-22.

– **Moulder JE**, (1998) Power-frequency fields and cancer, Crit Rev Biomed Eng. 1998;26(1-2):1-116.

P **Tuinstra R et al**, (1998) Protein kinase C activity following exposure to magnetic field and phorbol ester, Bioelectromagnetics. 1998;19(8):469-76.

P **Zecca L et al**, (1998) Biological effects of prolonged exposure to ELF electromagnetic fields in rats: III. 50 Hz electromagnetic fields, Bioelectromagnetics. 1998;19(1):57-66.

P **Cohen B et al**, (maj 1998) Deposition of charged particles on lung airways, Health Phys 74(5):554-60.

P **Michaelis J et al**, (januari 1998) Combined risk estimates for two German population-based case-control studies on residential magnetic fields and childhood acute leukemia, Epidemiology. 1998 Jan;9(1):92-4.

1997

P **Verkasalo PK et al**, (december 1997) Magnetic fields of transmission lines and depression, Am J Epidemiol. 1997 Dec 15;146(12):1037-45.

P **Eriksson N et al**, (december 1997) The psychosocial work environment and skin symptoms among visual display terminal workers: a case referent study, Int J Epidemiol. 1997 Dec;26(6):1250-7.

P **Petridou E et al**, (november 1997) Electrical power lines and childhood leukemia: a study from Greece, Int J Cancer. 1997 Nov 4;73(3):345-8.

P **Theriault G, Li CY**, (september 1997) Risks of leukaemia among residents close to high voltage transmission electric lines, Occup Environ Med. 1997 Sep;54(9):625-8.

N **Linet MS et al**, (juli 1997) Residential exposure to magnetic fields and acute lymphoblastic leukemia in children, N Engl J Med. 1997 Jul 3;337(1):1-7.

– **Valberg PA et al**, (juli 1997) Can low-level 50/60 Hz electric and magnetic fields cause biological effects?, Radiat Res. 1997 Jul;148(1):2-21.

P **Beale IL et al**, (1997) Psychological effects of chronic exposure to 50 Hz magnetic fields in humans living near extra-high-voltage transmission lines, Bioelectromagnetics. 1997;18(8):584-94.

– **Jauchem JR**, (1997) Exposure to extremely-low-frequency electromagnetic fields and radiofrequency radiation: cardiovascular effects in humans, Int Arch Occup Environ Health. 1997;70(1):9-21.

P **Kelsh MA, Sahl JD**, (maj 1997) Mortality among a cohort of electric utility workers, 1960-1991, Am J Ind Med. 1997 May;31(5):534-44.

P **Michaelis J et al**, (mars 1997) Childhood leukemia and electromagnetic fields: results of a population-based case-control study in Germany, Cancer Causes Control. 1997 Mar;8(2):167-74.

N **Tynes T, Haldorsen T**, (februari 1997) Electromagnetic fields and cancer in children residing near Norwegian high-voltage power lines, Am J Epidemiol. 1997 Feb 1;145(3):219-26.

P **Li CY et al**, (januari 1997) Residential exposure to 60-Hertz magnetic fields and adult cancers in Taiwan, Epidemiology. 1997 Jan;8(1):25-30.

1996

N **Dees C et al**, (oktober 1996) Effects of 60-Hz fields, estradiol and xenoestrogens on human breast cancer cells, Radiat Res. 1996 Oct;146(4):444-52.

P **Lai H**, (1996) Spatial learning deficit in the rat after exposure to a 60 Hz magnetic field, Bioelectromagnetics. 1996;17(6):494-6.

N **Reipert BM et al**, (1996) Exposure to extremely low frequency magnetic fields has no effect on growth rate or clonogenic potential of multipotential haemopoietic progenitor cells, Growth Factors. 1996;13(3-4):205-17.

P **Baris D et al**, (januari 1996) A case cohort study of suicide in relation to exposure to electric and magnetic fields among electrical utility workers, Occup Environ Med. 1996 Jan;53(1):17-24.

– **Heath CW Jr,** (januari 1996) Electromagnetic field exposure and cancer: a review of epidemiologic evidence, CA Cancer J Clin. 1996 Jan-Feb;46(1):29-44.

1995

N **Lacy-Hulbert A et al**, (oktober 1995) No effect of 60 Hz electromagnetic fields on MYC or beta-actin expression in human leukemic cells, Radiat Res. 1995 Oct;144(1):9-17.

N **Saffer JD, Thurston SJ**, (oktober 1995) Short exposures to 60 Hz magnetic fields do not alter MYC expression in HL60 or Daudi cells, Radiat Res. 1995 Oct;144(1):18-25.

N **Desjobert H et al**, (1995) Effects of 50 Hz magnetic fields on C-myc transcript levels in nonsynchronized and synchronized human cells, Bioelectromagnetics. 1995;16(5):277-83.

P **Wertheimer N et al**, (1995) Childhood cancer in relation to indicators of magnetic fields from ground current sources, Bioelectromagnetics. 1995;16(2):86-96.

P **Reif JS et al**, (februari 1995) Residential exposure to magnetic fields and risk of canine lymphoma, Am J Epidemiol. 1995 Feb 15;141(4):352-9.

1994

P **Feychting M, Ahlbom A**, (september 1994) Magnetic fields, leukemia, and central nervous system tumors in Swedish adults residing near high-voltage power lines, Epidemiology. 1994 Sep;5(5):501-9.

P **Gold S et al**, (1994) Exposure of simian virus-40-transformed human cells to magnetic fields results in increased levels of T-antigen mRNA and protein, Bioelectromagnetics. 1994;15(4):329-36.

P **Goodman EM et al**, (1994) Magnetic fields after translation in Escherichia coli, Bioelectromagnetics. 1994;15(1):77-83.

P **Ubeda A et al**, (1994) Chick embryo development can be irreversibly altered by early exposure to weak extremely-low-frequency magnetic fields, Bioelectromagnetics. 1994;15(5):385-98.

– **Savitz DA et al**, (februari 1994) Prevalence of depression among electrical workers, Am J Ind Med. 1994 Feb;25(2):165-76.

N **McMahan S et al**, (januari 1994) Depressive symptomatology in women and residential proximity to high-voltage transmission lines, Am J Epidemiol. 1994 Jan 1;139(1):58-63.

1993

P **Liburdy RP et al**, (november 1993) Experimental evidence for 60 Hz magnetic fields operating through the signal transduction cascade. Effects on calcium influx and c-MYC mRNA induction, FEBS Lett. 1993 Nov 22;334(3):301-8.

P **Olsen JH et al**, (oktober 1993) Residence near high voltage facilities and risk of cancer in children, BMJ. 1993 Oct 9;307(6909):891-5.

– **Verkasalo PK et al**, (oktober 1993) Risk of cancer in Finnish children living close to power lines, BMJ. 1993 Oct 9;307(6909):895-9.

P **Feychting M, Ahlbom A**, (oktober 1993) Magnetic fields and cancer in children residing near Swedish high-voltage power lines, Am J Epidemiol. 1993 Oct 1;138(7):467-81.

P **Lindstrom E et al**, (augusti 1993) Intracellular calcium oscillations induced in a T-cell line by a weak 50 Hz magnetic field, J Cell Physiol. 1993 Aug;156(2):395-8.

P **Loscher W et al**, (juli 1993) Tumor promotion in a breast cancer model by exposure to a weak alternating magnetic field, Cancer Lett. 1993 Jul 30;71(1-3):75-81.

N **McCann J et al**, (juli 1993) A critical review of the genotoxic potential of electric and magnetic fields, Mutat Res. 1993 Jul;297(1):61-95.

P **Greene JJ et al**, (maj 1993) Gene-specific modulation of RNA synthesis and degradation by extremely low frequency electromagnetic fields, Cell Mol Biol (Noisy-le-grand). 1993 May;39(3):261-8.

– **Murphy JC et al**, (mars 1993) International Commission for Protection Against Environmental Mutagens and Carcinogens. Power frequency electric and magnetic fields: a review of genetic toxicology, Mutat Res. 1993 Mar;296(3):221-40.

P **Poole C et al**, (februari 1993) Depressive symptoms and headaches in relation to proximity of residence to an alternating-current transmission line right-of-way, Am J Epidemiol. 1993 Feb 1;137(3):318-30.

1992

P **Walleczek J**, (oktober 1992) Electromagnetic field effects on cells of the immune system: the role of calcium signaling, FASEB J. 1992 Oct;6(13):3177-85.

P **Phillips JL et al**, (september 1992) Magnetic field-induced changes in specific gene transcription, Biochim Biophys Acta. 1992 Sep 24;1132(2):140-4.

1991

P **London SJ et al**, (november 1991) Exposure to residential electric and magnetic fields and risk of childhood leukemia, Am J Epidemiol. 1991 Nov 1;134(9):923-37.

1990

N **Myers A et al**, (december 1990) Childhood cancer and overhead powerlines: a case-control study, Br J Cancer. 1990 Dec;62(6):1008-14.

1989

P **Coleman MP et al**, (november 1989) Leukaemia and residence near electricity transmission equipment: a case-control study, Br J Cancer. 1989 Nov;60(5):793-8.

P **Perry S et al**, (maj 1989) Power frequency magnetic field; depressive illness and myocardial infarction, Public Health. 1989 May;103(3):177-80.

1988

P **Savitz DA et al**, (juli 1988) Case-control study of childhood cancer and exposure to 60-Hz magnetic fields, Am J Epidemiol. 1988 Jul;128(1):21-38.

P **Wilson BW**, (1988) Chronic exposure to ELF fields may induce depression, Bioelectromagnetics. 1988;9(2):195-205.

1986

P **Tomenius L**, (1986) 50-Hz electromagnetic environment and the incidence of childhood tumors in Stockholm County, Bioelectromagnetics. 1986;7(2):191-207.

1982

– **Lawrence AF, Adey WR**, (1982) Nonlinear wave mechanisms in interactions between excitable tissue and electromagnetic fields, Neurol Res. 1982;4(1-2):115-53.

– **Tamarkin L et al**, (maj 1982) Decreased nocturnal plasma melatonin peak in patients with estrogen receptor positive breast cancer, Science. 1982 May 28;216(4549):1003-5.

1981

– **Tamarkin L et al**, (november 1981) Melatonin inhibition and pinealectomy enhancement of 7,12-dimethylbenz(a)anthracene-induced mammary tumors in the rat, Cancer Res. 1981 Nov;41(11 Pt 1):4432-6.

1979

P **Wertheimer N, Leeper E**, (mars 1979) Electrical wiring configurations and childhood cancer, Am J Epidemiol. 1979 Mar;109(3):273-84.

P **Reichmanis M et al**, (1979) Relation between suicide and the electromagnetic field of overhead power lines, Physiol Chem Phys. 1979;11(5):395-403.

Wi-Fi (trådlöst nätverk)

Sammanfattning

Antal studier i denna avdelning: 11 st

P 3 st / 27,3 % N 0 st / 0 % – 8 st / 72,7 %

2010

– **McIntosh RL, Anderson V,** (september 2010) SAR versus S(inc): What is the appropriate RF exposure metric in the range 1-10 GHz? Part II: Using complex human body models, Bioelectromagnetics. 2010 Sep;31(6):467-78.

– **Joseph W et al,** (maj 2010) Estimation of whole-body SAR from electromagnetic fields using personal exposure meters, Bioelectromagnetics. 2010 May;31(4):286-95.

– **Fang M, Malone D,** (april 2010) Experimental verification of a radiofrequency power model for Wi-Fi technology, Health Phys. 2010 Apr;98(4):574-83.

– **Verloock L et al,** (april 2010) Procedure for assessment of general public exposure from WLAN in offices and in wireless sensor network testbed, Health Phys. 2010 Apr;98(4):628-38.

P **Carpenter DO et al,** (januari 2010) Electromagnetic fields and cancer: the cost of doing nothing, Rev Environ Health. 2010 Jan-Mar;25(1):75-80.

2009

P **Viel JF et al,** (augusti 2009) Radiofrequency exposure in the French general population: band, time, location and activity variability, Environ Int. 2009 Nov;35(8):1150-4. Epub 2009 Aug 4.

– **Frei P et al,** (augusti 2009) Temporal and spatial variability of personal exposure to radio frequency electromagnetic fields, Environ Res. 2009 Aug;109(6):779-85. Epub 2009 May 23.

– **Peyman A et al,** (juni 2009) Evaluation Of Exposure Of School Children To Electromagnetic Fields From Wireless Computer Networks (Wi-Fi): Phase 1 Laboratory Measurements.

2007

– **Kuhn S et al,** (augusti 2007) Assessment Methods for Demonstrating Compliance With Safety Limits of Wireless Devices Used in Home and Office Environments, Electromagnetic Compatibility, 2007 Augusti;49(3):519-525.

– **Foster KR,** (mars 2007) Radiofrequency exposure from wireless LANs utilizing Wi-Fi technology, Health Phys. 2007 Mar;92(3):280-9.

2006

P **Kuhn S, Kuster N,** (juli 2006) Development of Procedures for the EMF Exposure Evaluation of Wireless Devices in Home and Office Environments Supplement 1: Close-to-Body and Base Station Wireless Data Communication Devices, Foundation for Research on Information Technologies in Society, ETH Zurich, Switzerland.

Elöverkänslighet

Sammanfattning

Antal studier i denna avdelning: 75 st

P 37 st / 49,3 % N 19 st / 25,3 % – 19 st / 25,3 %

2010

P **Lowden A et al,** (januari 2011) Sleep after mobile phone exposure in subjects with mobile phone-related symptoms, Bioelectromagnetics. 2011 Jan;32(1):4-14.

P **Grigoriev YG et al,** (december 2010) Confirmation studies of Soviet research on immunological effects of microwaves: Russian immunology results, Bioelectromagnetics. 2010 Dec;31(8):589-602. doi: 10.1002/bem.20605. Epub 2010 Sep 20.

N **Kowalczuk C et al,** (oktober 2010) Absence of nonlinear responses in cells and tissues exposed to RF energy at mobile phone frequencies using a doubly resonant cavity, Bioelectromagnetics. 2010 Oct;31(7):556-65.

N **Nieto-Hernandez R et al,** (september 2010) Can exposure to a terrestrial trunked radio (TETRA)-like signal cause symptoms? A randomised double-blind provocation study, Occup Environ Med. 2010 Sep 23.

– **Danker-Hopfe H et al,** (september 2010) Do mobile phone base stations affect sleep of residents? Results from an experimental double-blind sham-controlled field study, Am J Hum Biol. 2010 Sep-Oct;22(5):613-8.

N **Mohler E et al,** (september 2010) Effects of everyday radiofrequency electromagnetic-field exposure on sleep quality: a cross-sectional study, Radiat Res. 2010 Sep;174(3):347-56.

N **Wallace D et al,** (januari 2010) Do TETRA (Airwave) Base Station Signals Have a Short-Term Impact on Health and Well-Being? A Randomized Double-Blind Provocation Study, Environ Health Perspect. 2010 Jan 14.

– **Johansson A et al,** (januari 2010) Symptoms, personality traits, and stress in people with mobile phone-related symptoms and electromagnetic hypersensitivity, J Psychosom Res. 2010 Jan;68(1):37-45.

N **Rubin GJ et al,** (januari 2010) Idiopathic environmental intolerance attributed to electromagnetic fields (formerly 'electromagnetic hypersensitivity'): An updated systematic review of provocation studies, Bioelectromagnetics. 2010 Jan;31(1):1-11.

2009

N **Eltiti S et al,** (maj 2009) Short-term exposure to mobile phone base station signals does not affect cognitive functioning or physiological measures in individuals who report sensitivity to electromagnetic fields and controls, Bioelectromagnetics. 2009 May 27.

– **Dahmen N et al,** (mars 2009) Blood laboratory findings in patients suffering from self-perceived electromagnetic hypersensitivity (EHS), Bioelectromagnetics. 2009 Mar 3;30(4):299-306.

2008

P **Blettner M et al**, (november 2008) Mobile phone base stations and adverse health effects: Phase 1: A population-based cross-sectional study in Germany, Occup Environ Med. 2008 Nov 18.

– **Nieto-Hernandez R et al**, (november 2008) Can evidence change belief? Reported mobile phone sensitivity following individual feedback of an inability to discriminate active from sham signals, J Psychosom Res. 2008 Nov;65(5):453-60.

P **Wiholm C et al**, (september 2008) Mobile phone exposure and spatial memory, Bioelectromagnetics. 2008 Sep 15.

N **Furubayashi T et al**, (september 2008) Effects of short-term W-CDMA mobile phone base station exposure on women with or without mobile phone related symptoms, Bioelectromagnetics. 2008 Sep 8.

– **Landgrebe M et al**, (juli 2008) Neuronal correlates of symptom formation in functional somatic syndromes: a fMRI study, Neuroimage. 2008 Jul 15;41(4):1336-44.

N **Kim DW et al**, (2008) Physiological effects of RF exposure on hypersensitive people by a cell phone, Conf Proc IEEE Eng Med Biol Soc. 2008;2008:2322-5.

N **Cinel C et al**, (mars 2008) Exposure to Mobile Phone Electromagnetic Fields and Subjective Symptoms: A Double-Blind Study, Psychosom Med. 2008 Mar 31.

P **Landgrebe M et al**, (mars 2008) Cognitive and neurobiological alterations in electromagnetic hypersensitive patients: results of a case-control study, Psychol Med. 2008 Mar 26;:1-11.

N **Roosli M**, (mars 2008) Radiofrequency electromagnetic field exposure and non-specific symptoms of ill health: A systematic review, Environ Res. 2008 Mar 20.

2007

N **Kwon MS et al**, (november 2007) Perception of the electromagnetic field emitted by a mobile phone, Bioelectromagnetics. 2007 Nov 20;29(2):154-159.

N **Eltiti S et al**, (november 2007) Does short-term exposure to mobile phone base station signals increase symptoms in individuals who report sensitivity to electromagnetic fields? A double-blind randomized provocation study., Environ Health Perspect. 2007 Nov;115(11):1603-8.

– **Lin JC, Wang Z**, (juni 2007) Hearing of microwave pulses by humans and animals: effects, mechanism, and thresholds, Health Phys. 2007 Jun;92(6):621-8.

N **Mortazavi SM et al**, (maj 2007) Prevalence of subjective poor health symptoms associated with exposure to electromagnetic fields among university students, Bioelectromagnetics. 2007 May;28(4):326-30.

N **Oftedal G et al**, (maj 2007) Mobile phone headache: a double blind, sham-controlled provocation study, Cephalalgia. 2007 May;27(5):447-55.

– **Schrottner J et al**, (april 2007) Investigation of electric current perception thresholds of different EHS groups, Bioelectromagnetics. 2007 Apr;28(3):208-13.

P **Abdel-Rassoul G et al**, (mars 2007) Neurobehavioral effects among inhabitants around mobile phone base stations, Neurotoxicology. 2007 Mar;28(2):434-40.

P **Landgrebe M et al**, (mars 2007) Altered cortical excitability in subjectively electrosensitive patients: results of a pilot study, J Psychosom Res. 2007 Mar;62(3):283-8.

– **Eltiti S et al**, (februari 2007) Development and evaluation of the electromagnetic hypersensitivity questionnaire, Bioelectromagnetics. 2007 Feb;28(2):137-51.

2006

– **Schreier N et al**, (2006) The prevalence of symptoms attributed to electromagnetic field exposure: a cross-sectional representative survey in Switzerland, Soz Praventivmed. 2006;51(4):202-9.

– **Havas M**, (2006) Electromagnetic hypersensitivity: biological effects of dirty electricity with emphasis on diabetes and multiple sclerosis, Electromagn Biol Med. 2006;25(4):259-68.

P **Johansson O**, (2006) Electrohypersensitivity: state-of-the-art of a functional impairment, Electromagn Biol Med. 2006;25(4):245-58.

– **Huss A, Roosli M**, (oktober 2006) Consultations in primary care for symptoms attributed to electromagnetic fields--a survey among general practitioners, BMC Public Health. 2006 Oct 30;6:267.

P **Persinger MA**, (2006) A potential multiple resonance mechanism by which weak magnetic fields affect molecules and medical problems: the example of melatonin and experimental ”multiple sclerosis”, Med Hypotheses. 2006;66(4):811-5.

P **Hutter HP et al**, (maj 2006) Subjective symptoms, sleeping problems, and cognitive performance in subjects living near mobile phone base stations, Occup Environ Med. 2006 May;63(5):307-13.

N **Rubin GJ et al**, (april 2006) Are some people sensitive to mobile phone signals? Within participants double blind randomised provocation study, BMJ. 2006 Apr 15;332(7546):886-91.

P **Papageorgiou CC et al**, (april 2006) Acute mobile phone effects on pre-attentive operation, Neurosci Lett. 2006 Apr 10-17;397(1-2):99-103.

N **Wilen J et al**, (april 2006) Psychophysiological tests and provocation of subjects with mobile phone related symptoms, Bioelectromagnetics 2006 Apr;27(3):204-14.

2005

– **Irvine N et al**, (november 2005) Definition, Epidemiology and Management of Electrical Sensitivity, HPA-RPD-010.

N **Seitz H et al**, (oktober 2005) Electromagnetic hypersensitivity (EHS) and subjective health complaints associated with electromagnetic fields of mobile phone communication--a literature review published between 2000 and 2004, Sci Total Environ. 2005 Oct 15;349(1-3):45-55.

– **Szyjkowska A et al**, (oktober 2005) Subjective symptoms related to mobile phone use--a pilot study, Pol Merkur Lekarski. 2005 Oct;19(112):529-32.

P **Rajkovic V et al**, (juli 2005) Histological characteristics of cutaneous and thyroid mast cell populations in male rats exposed to power-frequency electromagnetic fields, Int J Radiat Biol. 2005 Jul;81(7):491-9.

P **Meo SA**, Al-Drees AM, (2005) Mobile phone related-hazards and subjective hearing and vision symptoms in the Saudi population, Int J Occup Med Environ Health. 2005;18(1):53-7.

P **Leitgeb N et al**, (maj 2005) Does ”electromagnetic pollution” cause illness? An inquiry among Austrian general practitioners, Wien Med Wochenschr. 2005 May;155(9-10):237-41.

N **Rubin GJ et al**, (mars 2005) Electromagnetic hypersensitivity: a systematic review of provocation studies, Psychosom Med. 2005 Mar-Apr;67(2):224-32.

2004

P **Bortkiewicz A et al**, (2004) Subjective symptoms reported by people living in the vicinity of cellular phone base stations: review, Med Pr. 2004;55(4):345-51.

P **Oberfeld G et al**, (oktober 2004) The Microwave Syndrome - Further Aspects of a Spanish Study, Conference Proceedings.

P **Al-Khlaiwi T**, Meo SA, (juni 2004) Association of mobile phone radiation with fatigue, headache, dizziness, tension and sleep disturbance in Saudi population, Saudi Med J. 2004 Jun;25(6):732-6.

P **Westerman R, Hocking B**, (maj 2004) Diseases of modern living: neurological changes associated with mobile phones and radiofrequency radiation in humans, Neurosci Lett. 2004 May 6;361(1-3):13-6.

– **Roosli M et al**, (februari 2004) Symptoms of ill health ascribed to electromagnetic field exposure--a questionnaire survey, Int J Hyg Environ Health. 2004 Feb;207(2):141-50.

2003

P **Navarro EA et al**, (december 2003) The Microwave Syndrome: A Preliminary Study in Spain, Electromagn Biol Med 22(2-3): 161-169.

– **Leitgeb N, Schrottner J**, (september 2003) Electrosensibility and electromagnetic hypersensitivity, Bioelectromagnetics. 2003 Sep;24(6):387-94.

P **Santini R et al**, (september 2003) Symptoms experienced by people in vicinity of base stations: II/ Incidences of age, duration of exposure, location of subjects in relation to the antennas and other electromagnetic factors, Pathol Biol (Paris). 2003 Sep;51(7):412-5.

2002

P **Hocking B, Westerman R**, (oktober 2002) Neurological changes induced by a mobile phone, Occup Med (Lond). 2002 Oct;52(7):413-5.

P **Stenberg B et al**, (oktober 2002) Medical and social prognosis for patients with perceived hypersensitivity to electricity and skin symptoms related to the use of visual display terminals, Scand J Work Environ Health. 2002 Oct;28(5):349-57.

P **Levallois P et al**, (augusti 2002) Study of self-reported hypersensitivity to electromagnetic fields in California, Environ Health Perspect. 2002 Aug;110 Suppl 4:619-23.

– **Levallois P**, (augusti 2002) Hypersensitivity of human subjects to environmental electric and magnetic field exposure: a review of the literature, Environ Health Perspect. 2002 Aug;110 Suppl 4:613-8.

P **Santini R et al**, (juli 2002) Investigation on the health of people living near mobile telephone relay stations: I/Incidence according to distance and sex, Pathol Biol (Paris) 2002 Jul;50(6):369-73.

– **Hillert L et al**, (februari 2002) Prevalence of self-reported hypersensitivity to electric or magnetic fields in a population-based questionnaire survey, Scand J Work Environ Health. 2002 Feb;28(1):33-41.

P **Edelstyn N, Oldershaw A**, (januari 2002) The acute effects of exposure to the electromagnetic field emitted by mobile phones on human attention, Neuroreport. 2002 Jan 21;13(1):119-21.

2001

P **Johansson O et al**, (november 2001) J Cutan Pathol. 2001 Nov;28(10):513-9., J Cutan Pathol. 2001 Nov;28(10):513-9.

P **Lyskov E et al**, (november 2001) Int J Psychophysiol. 2001 Nov;42(3):233-41, Int J Psychophysiol. 2001 Nov;42(3):233-41.

P **Lyskov E et al**, (oktober 2001) Provocation study of persons with perceived electrical hypersensitivity and controls using magnetic field exposure and recording of electrophysiological characteristics, Bioelectromagnetics. 2001 Oct;22(7):457-62.

N **Hillert L et al**, (mars 2001) Environmental illness: fatigue and cholinesterase activity in patients reporting hypersensitivity to electricity, Environ Res. 2001 Mar;85(3):200-6.

2000

P **Oftedal G et al**, (maj 2000) Symptoms experienced in connection with mobile phone use, Occup Med (Lond). 2000 May;50(4):237-45.

P **Gangi S, Johansson O**, (april 2000) A theoretical model based upon mast cells and histamine to explain the recently proclaimed sensitivity to electric and/or magnetic fields in humans, Med Hypotheses. 2000 Apr;54(4):663-71.

P **Freude G et al**, (januari 2000) Microwaves emitted by cellular telephones affect human slow brain potentials, Eur J Appl Physiol. 2000 Jan;81(1-2):18-27.

1999

– **Hillert L et al**, (november 1999) Hypersensitivity to electricity: working definition and additional characterization of the syndrome, J Psychosom Res. 1999 Nov;47(5):429-38.

1998

– **Bergdahl J et al**, (oktober 1998) Odontologic survey of referred patients with symptoms allegedly caused by electricity or visual display units, Acta Odontol Scand. 1998 Oct;56(5):303-7.

P **Haugsdal B et al**, (1998) Comparison of symptoms experienced by users of analogue and digital mobile phones: a Swedish-Norwegian epidemiological study, Arbetslivsrapport 23: 1998.

1997

P **Eriksson N et al**, (december 1997) The psychosocial work environment and skin symptoms among visual display terminal workers: a case referent study, Int J Epidemiol. 1997 Dec;26(6):1250-7.

P **Gangi S, Johansson O**, (december 1997) Skin changes in ”screen dermatitis” versus classical UV- and ionizing irradiation-related damage--similarities and differences, Exp Dermatol. 1997 Dec;6(6):283-91.

P **Sandstrom M et al**, (januari 1997) Neurophysiological effects of flickering light in patients with perceived electrical hypersensitivity, J Occup Environ Med. 1997 Jan;39(1):15-22.

1995

P **Forman SA et al**, (oktober 1995) Psychological symptoms and intermittent hypertension following acute microwave exposure, J Occup Med. 1982 Nov;24(11):932-4.

1994

P **Johansson O et al**, (oktober 1994) Skin changes in patients claiming to suffer from ”screen dermatitis”: a two-case open-field provocation study, Exp Dermatol. 1994 Oct;3(5):234-8.

EEG och reaktioner i hjärnan av strålning

Sammanfattning

Antal studier i denna avdelning: 51 st

P 46 st / 90,2 % N 2 st / 3,9 % – 3 st / 5,9 %

2010

P **Vorobyov V et al,** (maj 2010) Repeated exposure to low-level extremely low frequency-modulated microwaves affects cortex-hypothalamus interplay in freely moving rats: EEG study, Int J Radiat Biol. 2010 May;86(5):376-83.

N **Barth A et al,** (april 2010) Effects of extremely low-frequency magnetic field exposure on cognitive functions: results of a meta-analysis, Bioelectromagnetics. 2010 Apr;31(3):173-9.

P **Fragopoulou AF et al,** (juni 2010) Whole body exposure with GSM 900MHz affects spatial memory in mice, Pathophysiology. 2010 Jun;17(3):179-187. Epub 2009 Dec 1.

2009

P **Cvetkovic D, Cosic I,** (oktober 2009) Alterations of human electroencephalographic activity caused by multiple extremely low frequency magnetic field exposures, Med Biol Eng Comput. 2009 Oct;47(10):1063-73. Epub 2009 Aug 26.

P **Robertson JA et al,** (augusti 2009) Low-frequency pulsed electromagnetic field exposure can alter neuroprocessing in humans, J R Soc Interface. 2009 Aug 5.

P **Abramson MJ et al,** (juli 2009) Mobile telephone use is associated with changes in cognitive function in young adolescents, Bioelectromagnetics. 2009 Jul 30.

P **Lopez-Martin E et al,** (maj 2009) The action of pulse-modulated GSM radiation increases regional changes in brain activity and c-Fos expression in cortical and subcortical areas in a rat model of picrotoxin-induced seizure proneness, J Neurosci Res. 2009 May 1;87(6):1484-99.

– **McNamee DA et al,** (februari 2009) A literature review: the cardiovascular effects of exposure to extremely low frequency electromagnetic fields, Int Arch Occup Environ Health. 2009 Feb 17.

2008

P **Luria R et al,** (november 2008) Cognitive effects of radiation emitted by cellular phones: The influence of exposure side and time, Bioelectromagnetics. 2008 Nov 17;30(3):198-204.

P **Wiholm C et al,** (september 2008) Mobile phone exposure and spatial memory, Bioelectromagnetics. 2008 Sep 15.

P **Andrzejak R et al,** (augusti 2008) The influence of the call with a mobile phone on heart rate variability parameters in healthy volunteers, Ind Health. 2008 Aug;46(4):409-17.

P **Cook CM et al,** (juli 2008) Changes in human EEG alpha activity following exposure to two different pulsed magnetic field sequences, Bioelectromagnetics. 2008 Jul 28 [Epub].

P **Perentos N et al,** (2008) The effect of GSM-like ELF radiation on the alpha band of the human resting EEG, Conf Proc IEEE Eng Med Biol Soc. 2008;2008:5680-3.

P **Liu T et al,** (mars 2008) Chronic exposure to low-intensity magnetic field improves acquisition and maintenance of memory, Neuroreport. 2008 Mar 25;19(5):549-52.

– **Hardell L, Sage C,** (februari 2008) Biological effects from electromagnetic field exposure and public exposure standards, Biomed Pharmacother. 2008 Feb;62(2):104-9.

2007

P **Arnetz BB et al,** (2007) The Effects of 884 MHz GSM Wireless Communication Signals on Self-reported Symptom and Sleep (EEG)- An Experimental Provocation Study, PIERS Online Vol. 3 No. 7 2007 pp: 1148-1150.

P **Abdel-Rassoul G et al,** (mars 2007) Neurobehavioral effects among inhabitants around mobile phone base stations, Neurotoxicology. 2007 Mar;28(2):434-40.

P **Landgrebe M et al,** (mars 2007) Altered cortical excitability in subjectively electrosensitive patients: results of a pilot study, J Psychosom Res. 2007 Mar;62(3):283-8.

2006

P **Bachmann M et al,** (2006) Integration of differences in EEG Analysis Reveals Changes in Human EEG Caused by Microwave, Conf Proc IEEE Eng Med Biol Soc. 2006;1:1597-600.

P **Papageorgiou CC et al,** (april 2006) Acute mobile phone effects on pre-attentive operation, Neurosci Lett. 2006 Apr 10-17;397(1-2):99-103.

2005

P **Preece AW et al,** (2005) Effect of 902 MHz mobile phone transmission on cognitive function in children, Bioelectromagnetics Suppl 7 S138-43.

P **Wang Q et al,** (mars 2005) Effect of 900Mhz electromagnetic fields on energy metabolism in postnatal rat cerebral cortical neurons, Wei Sheng Yan Jiu. 2005 Mar;34(2):155-8.

P **Huber R et al,** (februari 2005) Exposure to pulse-modulated radio frequency electromagnetic fields affects regional cerebral blood flow, Eur J Neurosci. 2005 Feb;21(4):1000-6.

2004

P **Lai H,** (oktober 2004) Interaction of microwaves and a temporally incoherent magnetic field on spatial learning in the rat, Physiol Behav. 2004 Oct 15;82(5):785-9.

P **Wang Q et al,** (juli 2004) Effect of 900MHz electromagnetic fields on energy metabolism of cerebral cortical neurons in postnatal rat, Wei Sheng Yan Jiu. 2004 Jul;33(4):428-9, 432.

2003

P **D'Costa H et al,** (december 2003) Human brain wave activity during exposure to radiofrequency field emissions from mobile phones, Australas Phys Eng Sci Med. 2003 Dec;26(4):162-7.

P **Kramarenko AV, Tan U,** (juli 2003) Effects of high-frequency electromagnetic fields on human EEG: a brain mapping study, Int J Neurosci. 2003 Jul;113(7):1007-19.

P **Huber R et al,** (maj 2003) Radio frequency electromagnetic field exposure in humans: Estimation of SAR distribution in the brain, effects on sleep and heart rate, Bioelectromagnetics. 2003 May;24(4):262-76.

P **Hocking B, Westerman R**, (mars 2003) Neurological effects of radiofrequency radiation, Occup Med 2003 Mar;53(2):123-7.

2002

P **Huber R et al**, (december 2002) Electromagnetic fields, such as those from mobile phones, alter regional cerebral blood flow and sleep and waking EEG, J Sleep Res 2002 Dec;11(4):289-95.

P **Hocking B, Westerman R**, (oktober 2002) Neurological changes induced by a mobile phone, Occup Med (Lond). 2002 Oct;52(7):413-5.

2001

– **Keetley V et al**, (juni 2001) Neuropsychological sequelae of 50 Hz magnetic fields, Int J Radiat Biol. 2001 Jun;77(6):735-42.

2000

P **Krause CM et al**, (december 2000) Effects of electromagnetic fields emitted by cellular phones on the electroencephalogram during a visual working memory task, Int J Radiat Biol. 2000 Dec;76(12):1659-67.

P **Huber R et al**, (oktober 2000) Exposure to pulsed high-frequency electromagnetic field during waking affects human sleep EEG, Neuroreport. 2000 Oct 20;11(15):3321-5.

P **Koivisto M et al**, (juni 2000) The effects of electromagnetic field emitted by GSM phones on working memory, Neuroreport. 2000 Jun 5;11(8):1641-3.

P **van Wijngaarden E et al**, (april 2000) Exposure to electromagnetic fields and suicide among electric utility workers: a nested case-control study, Occup Environ Med. 2000 Apr;57(4):258-63.

P **Cao Z et al**, (mars 2000) Effects of electromagnetic radiation from handsets of cellular telephone on neurobehavioral function, Wei Sheng Yan Jiu. 2000 Mar 30;29(2):102-3.

P **Krause CM et al**, (mars 2000) Effects of electromagnetic field emitted by cellular phones on the EEG during a memory task, Neuroreport. 2000 Mar 20;11(4):761-4.

P **Koivisto M et al**, (februari 2000) Effects of 902 MHz electromagnetic field emitted by cellular telephones on response times in humans, Neuroreport. 2000 Feb 7;11(2):413-5.

P **Freude G et al**, (januari 2000) Microwaves emitted by cellular telephones affect human slow brain potentials, Eur J Appl Physiol. 2000 Jan;81(1-2):18-27.

P **Wang B, Lai H**, (januari 2000) Acute exposure to pulsed 2450-MHz microwaves affects water-maze performance of rats, Bioelectromagnetics. 2000 Jan;21(1):52-6.

1999

P **Borbely AA et al**, (november 1999) Pulsed high-frequency electromagnetic field affects human sleep and sleep electroencephalogram, Neurosci Lett. 1999 Nov 19;275(3):207-10.

1998

P **Eulitz C et al**, (oktober 1998) Mobile phones modulate response patterns of human brain activity, Neuroreport. 1998 Oct 5;9(14):3229-32.

P **Freude G et al**, (1998) Effects of microwaves emitted by cellular phones on human slow brain potentials, Bioelectromagnetics. 1998;19(6):384-7.

P **Lai H et al**, (1998) Acute exposure to a 60 Hz magnetic field affects rats' water-maze performance, Bioelectromagnetics. 1998;19(2):117-22.

1996

P **Lai H**, (1996) Spatial learning deficit in the rat after exposure to a 60 Hz magnetic field, Bioelectromagnetics. 1996;17(6):494-6.

1995

P **Reiser H et al**, (oktober 1995) The influence of electromagnetic fields on human brain activity, Eur J Med Res. 1995 Oct 16;1(1):27-32.

1994

N **Zhao Z et al**, (juli 1994) The effects of radiofrequency (< 30 MHz) radiation in humans, Rev Environ Health. 1994 Jul-Dec;10(3-4):213-5.

P **Lai H et al**, (1994) Microwave irradiation affects radial-arm maze performance in the rat, Bioelectromagnetics. 1994;15(2):95-104.

1989

P **Lai H et al**, (maj 1989) Low-level microwave irradiation and central cholinergic systems, Pharmacol Biochem Behav. 1989 May;33(1):131-8.

1979

P **Reichmanis M et al**, (1979) Relation between suicide and the electromagnetic field of overhead power lines, Physiol Chem Phys. 1979;11(5):395-403.

Utrustning som avger elektromagnetisk strålning i radiofrekvensspektret (9 kHz–1 000 GHz)

Sammanfattning

Antal studier i denna avdelning: 144 st

P 103 st / 71,5 % N 25 st / 17,4 % – 16 st / 11,1 %

2011

N **Kumar G et al,** (februari 2011) Evaluation of hematopoietic system effects after in vitro radiofrequency radiation exposure in rats, Int J Radiat Biol. 2011 Feb;87(2):231-40. Epub 2010 Nov 4.

P **Lowden A et al,** (januari 2011) Sleep after mobile phone exposure in subjects with mobile phone-related symptoms, Bioelectromagnetics. 2011 Jan;32(1):4-14.

P **Masuda H et al,** (januari 2011) Local exposure of the rat cortex to radiofrequency electromagnetic fields increases local cerebral blood flow along with temperature, J Appl Physiol. 2011 Jan;110(1):142-8. Epub 2010 Oct 28.

2010

N **Bourthoumieu S et al,** (december 2010) Cytogenetic studies in human cells exposed in vitro to GSM-900 MHz radiofrequency radiation using R-banded karyotyping, Radiat Res. 2010 Dec;174(6):712-8. Epub 2010 Sep 20.

P **Esmekaya MA et al,** (december 2010) Pulse modulated 900 MHz radiation induces hypothyroidism and apoptosis in thyroid cells: a light, electron microscopy and immunohistochemical study, Int J Radiat Biol. 2010 Dec;86(12):1106-16. Epub 2010 Sep 1.

P **Grigoriev YG et al,** (december 2010) Confirmation studies of Soviet research on immunological effects of microwaves: Russian immunology results, Bioelectromagnetics. 2010 Dec;31(8):589-602. doi: 10.1002/bem.20605. Epub 2010 Sep 20.

– **Verschaeve L et al,** (december 2010) In vitro and in vivo genotoxicity of radiofrequency fields, Mutat Res. 2010 Dec;705(3):252-68. Epub 2010 Oct 16.

N **de Gannes FP et al,** (november 2010) Effect of Exposure to the Edge Signal on Oxidative Stress in Brain Cell Models, Radiat Res. 2010 Nov 22.

P **Ozgur E et al,** (november 2010) Mobile phone radiation-induced free radical damage in the liver is inhibited by the antioxidants N-acetyl cysteine and epigallocatechin-gallate, Int J Radiat Biol. 2010 Nov;86(11):935-45. Epub 2010 Sep 1.

N **Lee KY et al,** (oktober 2010) Effects of combined radiofrequency radiation exposure on the cell cycle and its regulatory proteins, Bioelectromagnetics. 2010 Oct 28.

N **Kowalczuk C et al,** (oktober 2010) Absence of nonlinear responses in cells and tissues exposed to RF energy at mobile phone frequencies using a doubly resonant cavity, Bioelectromagnetics. 2010 Oct;31(7):556-65.

N **Bourthoumieu S et al,** (september 2010) Cytogenetic Studies in Human Cells Exposed In Vitro to GSM-900 MHz Radiofrequency Radiation Using R-Banded Karyotyping, Radiat Res. 2010 Sep 20.

– **McIntosh RL, Anderson V,** (september 2010) SAR versus S(inc): What is the appropriate RF exposure metric in the range 1-10 GHz? Part II: Using complex human body models, Bioelectromagnetics. 2010 Sep;31(6):467-78.

N **O'Connor RP et al,** (juli 2010) Exposure to GSM RF fields does not affect calcium homeostasis in human endothelial cells, rat pheocromocytoma cells or rat hippocampal neurons, PLoS One. 2010 Jul 27;5(7):e11828.

P **Ragbetli MC et al,** (juli 2010) The effect of mobile phone on the number of Purkinje cells: a stereological study, Int J Radiat Biol. 2010 Jul;86(7):548-54.

P **Yakymenko I, Sidorik E,** (juli 2010) Risks of carcinogenesis from electromagnetic radiation of mobile telephony devices, Exp Oncol. 2010 Jul;32(2):54-60.

P **Maskey D et al,** (juli 2010) Chronic 835-MHz radiofrequency exposure to mice hippocampus alters the distribution of calbindin and GFAP immunoreactivity, Brain Res. 2010 Jul 30;1346:237-46. Epub 2010 Jun 17.

– **Stam R,** (oktober 2010) Electromagnetic fields and the blood-brain barrier, Brain Res Rev. 2010 Oct 5;65(1):80-97. Epub 2010 Jun 13.

N **Dimida A et al,** (juni 2010) Electric and magnetic fields do not modify the biochemical properties of frtl-5 cells, J Endocrinol Invest. 2010 Jun 11.

P **Bartsch H et al,** (2010) Effect of chronic exposure to a GSM-like signal (mobile phone) on survival of female Sprague-Dawley rats: modulatory effects by month of birth and possibly stage of the solar cycle, Neuro Endocrinol Lett. 2010;31(4):457-73.

P **Soderqvist F et al,** (2010) Radiofrequency fields, transthyretin, and Alzheimer's disease, J Alzheimers Dis. 2010;20(2):599-606.

N **Yildirim MS et al,** (2010) Effect of mobile phone station on micronucleus frequency and chromosomal aberrations in human blood cells, Genet Couns. 2010;21(2):243-51.

P **Yu Y, Yao K,** (maj 2010) Non-thermal cellular effects of lowpower microwave radiation on the lens and lens epithelial cells, J Int Med Res. 2010 May-Jun;38(3):729-36.

N **Sekijima M et al,** (mars 2010) 2-GHz band CW and W-CDMA modulated radiofrequency fields have no significant effect on cell proliferation and gene expression profile in human cells, J Radiat Res (Tokyo). 2010;51(3):277-84. Epub 2010 Mar 9.

P **Falzone N et al,** (mars 2010) The effect of pulsed 900-MHz GSM mobile phone radiation on the acrosome reaction, head morphometry and zona binding of human spermatozoa, Int J Androl. 2010 Mar 7.

– **Christ A et al,** (april 2010) Age-dependent tissue-specific exposure of cell phone users, Phys Med Biol. 2010 Apr 7;55(7):1767-83. Epub 2010 Mar 5.

N **Takahashi S et al,** (mars 2010) Lack of adverse effects of whole-body exposure to a mobile telecommunication electromagnetic field on the rat fetus, Radiat Res. 2010 Mar;173(3):362-72.

P **Panda NK et al,** (februari 2010) Audiologic disturbances in long-term mobile phone users, J Otolaryngol Head Neck Surg. 2010 Feb 1;39(1):5-11.

P **Carrubba S et al,** (januari 2010) Mobile-phone pulse triggers evoked potentials, Neurosci Lett. 2010 Jan 18;469(1):164-8. Epub 2009 Dec 4.

P **Maskey D et al,** (februari 2010) Effect of 835 MHz radiofrequency radiation exposure on calcium binding proteins in the hippocampus of the mouse brain, Brain Res. 2010 Feb 8;1313:232-41. Epub 2009 Dec 5.

2009

P **Perez-Castejon C et al,** (december 2009) Exposure to ELF-pulse modulated X band microwaves increases in vitro human astrocytoma cell proliferation, Histol Histopathol. 2009 Dec;24(12):1551-61.

N **de Gannes FP et al,** (november 2009) A confirmation study of Russian and Ukrainian data on effects of 2450 MHz microwave exposure on immunological processes and teratology in rats, Radiat Res. 2009 Nov;172(5):617-24.

N **Hansteen IL et al,** (november 2009) Cytogenetic effects of exposure to 2.3 GHz radiofrequency radiation on human lymphocytes in vitro, Anticancer Res. 2009 Nov;29(11):4323-30.

N **Lee HJ et al,** (november 2009) Lack of teratogenicity after combined exposure of pregnant mice to CDMA and WCDMA radiofrequency electromagnetic fields, Radiat Res. 2009 Nov;172(5):648-52.

P **Xu S et al,** (oktober 2009) Exposure to 1800 MHz radiofrequency radiation induces oxidative damage to mitochondrial DNA in primary cultured neurons, Brain Res. 2010 Jan 22;1311:189-96. Epub 2009 Oct 30.

P **de Tommaso M et al,** (oktober 2009) Mobile phones exposure induces changes of contingent negative variation in humans, Neurosci Lett. 2009 Oct 23;464(2):79-83. Epub 2009 Aug 21.

P **Belyaev I et al,** (oktober 2009) Microwaves from Mobile Phones Inhibit 53BP1 Focus Formation in Human Stem Cells Stronger than in Differentiated Cells: Possible Mechanistic Link to Cancer Risk, Environ Health Perspect. 2009 Oct 22.

P **Zhijian C et al,** (januari 2010) Impact of 1.8-GHz radiofrequency radiation (RFR) on DNA damage and repair induced by doxorubicin in human B-cell lymphoblastoid cells, Mutat Res. 2010 Jan;695(1-2):16-21. Epub 2009 Oct 13.

P **Otitoloju AA et al,** (oktober 2009) Preliminary study on the induction of sperm head abnormalities in mice, Mus musculus, exposed to radiofrequency radiations from global system for mobile communication base stations, Bull Environ Contam Toxicol. 2010 Jan;84(1):51-4. Epub 2009 Oct 9.

N **Brescia F et al,** (oktober 2009) Reactive oxygen species formation is not enhanced by exposure to UMTS 1950 MHz radiation and co-exposure to ferrous ions in Jurkat cells, Bioelectromagnetics. 2009 Oct;30(7):525-35.

P **Del Vecchio G et al,** (oktober 2009) Effect of radiofrequency electromagnetic field exposure on in vitro models of neurodegenerative disease, Bioelectromagnetics. 2009 Oct;30(7):564-72.

P **Desai NR et al,** (oktober 2009) Pathophysiology of cell phone radiation: oxidative stress and carcinogenesis with focus on male reproductive system, Reprod Biol Endocrinol. 2009 Oct 22;7:114.

– **McNamee JP, Chauhan V.,** (september 2009) Radiofrequency radiation and gene/protein expression: a review, Radiat Res. 2009 Sep;172(3):265-87.

P **Soderqvist F et al,** (augusti 2009) Exposure to an 890-MHz mobile phone-like signal and serum levels of S100B and transthyretin in volunteers, Toxicol Lett. 2009 Aug 25;189(1):63-6. Epub 2009 May 7.

P **Sharma VP et al,** (oktober 2009) Mobile phone radiation inhibits Vigna radiata (mung bean) root growth by inducing oxidative stress, Sci Total Environ. 2009 Oct 15;407(21):5543-7. Epub 2009 Aug 13.

P **Contalbrigo L et al,** (augusti 2009) Effects of different electromagnetic fields on circadian rhythms of some haematochemical parameters in rats, Biomed Environ Sci. 2009 Aug;22(4):348-53.

N **Hirose H et al,** (juli 2009) 1950 MHz IMT-2000 field does not activate microglial cells in vitro, Bioelectromagnetics. 2009 Jul 31.

N **Masuda H et al,** (juli 2009) Effects of 915 MHz electromagnetic-field radiation in TEM cell on the blood-brain barrier and neurons in the rat brain, Radiat Res. 2009 Jul;172(1):66-73.

P **Cao Y et al,** (2009) 900-MHz Microwave Radiation Enhances gamma-Ray Adverse Effects on SHG44 Cells, J Toxicol Environ Health A. 2009;72(11-12):727-32.

– **Funk RH et al,** (2009) Electromagnetic effects - From cell biology to medicine, Prog Histochem Cytochem. 2009;43(4):177-264. Epub 2008 Sep 18.

P **Sannino A et al,** (juni 2009) Induction of adaptive response in human blood lymphocytes exposed to radiofrequency radiation, Radiat Res. 2009 Jun;171(6):735-42.

N **Sannino A et al,** (juni 2009) Human fibroblasts and 900 MHz radiofrequency radiation: evaluation of DNA damage after exposure and co-exposure to 3-chloro-4-(dichloromethyl)-5-hydroxy-2(5h)-furanone (MX), Radiat Res. 2009 Jun;171(6):743-51.

P **Sirav B, Seyhan N,** (2009) Blood-brain barrier disruption by continuous-wave radio frequency radiation, Electromagn Biol Med. 2009;28(2):215-22.

P **Del Vecchio G et al,** (maj 2009) Continuous exposure to 900MHz GSM-modulated EMF alters morphological maturation of neural cells, Neurosci Lett. 2009 May 22;455(3):173-7. Epub 2009 Mar 24.

N **Billaudel B et al,** (maj 2009) Effects of exposure to DAMPS and GSM signals on Ornithine Decarboxylase (ODC) activity: II- SH-SY5Y human neuroblastoma cells, Int J Radiat Biol. 2009 May 12:1-4.

P **Lopez-Martin E et al,** (maj 2009) The action of pulse-modulated GSM radiation increases regional changes in brain activity and c-Fos expression in cortical and subcortical areas in a rat model of picrotoxin-induced seizure proneness, J Neurosci Res. 2009 May 1;87(6):1484-99.

N **McQuade JM et al,** (maj 2009) Radiofrequency-radiation exposure does not induce detectable leakage of albumin across the blood-brain barrier, Radiat Res. 2009 May;171(5):615-21.

P **Soderqvist F et al,** (april 2009) Mobile and cordless telephones, serum transthyretin and the blood-cerebrospinal fluid barrier: a cross-sectional study, Environ Health. 2009 Apr 21;8:19.

P **Nittby H et al,** (augusti 2009) Increased blood-brain barrier permeability in mammalian brain 7 days after exposure to the radiation from a GSM-900 mobile phone, Pathophysiology. 2009 Aug;16(2-3):103-12. Epub 2009 Apr 2.

P **Budak GG et al,** (april 2009) Effects of GSM-like radiofrequency on distortion product otoacoustic emissions in pregnant adult rabbits, Clin Invest Med. 2009 Apr 1;32(2):E112-6.

P **Orendacova J et al,** (mars 2009) Immunohistochemical Study of Postnatal Neurogenesis After Whole-body Exposure to Electromagnetic Fields: Evaluation of Age- and Dose-Related Changes in Rats, Cell Mol Neurobiol. 2009 Mar 21.

P **Ruediger HW,** (mars 2009) Genotoxic effects of radiofrequency electromagnetic fields, Pathophysiology. 2009 Mar 12.

P **Pourlis AF,** (mars 2009) Reproductive and developmental effects of EMF in vertebrate animal models, Pathophysiology. 2009 Mar 7.

P **Blank M, Goodman R,** (mars 2009) Electromagnetic fields stress living cells, Pathophysiology. 2009 Mar 4.

P **Blackman C,** (mars 2009) Cell phone radiation: Evidence from ELF and RF studies supporting more inclusive risk identification and assessment, Pathophysiology. 2009 Aug;16(2-3):205-16. Epub 2009 Mar 4.

P **Phillips JL et al,** (mars 2009) Electromagnetic fields and DNA damage, Pathophysiology. 2009 Mar 3.

P **Gajski G et al,** (mars 2009) Radioprotective effects of honeybee venom (Apis mellifera) against 915-MHz microwave radiation-induced DNA damage in wistar rat lymphocytes: in vitro study, Int J Toxicol. 2009 Mar-Apr;28(2):88-98.

P **Gul A et al,** (februari 2009) The effects of microwave emitted by cellular phones on ovarian follicles in rats, Arch Gynecol Obstet. 2009 Feb 25.

P **Bas O et al,** (februari 2009) 900 MHz electromagnetic field exposure affects qualitative and quantitative features of hippocampal pyramidal cells in the adult female rat, Brain Res. 2009 Feb 20.

2008

– **Luukkonen J et al,** (december 2008) Enhancement of chemically induced reactive oxygen species production and DNA damage in human SH-SY5Y neuroblastoma cells by 872MHz radiofrequency radiation, Mutat Res. 2008 Dec 24.

N **Prisco MG et al,** (december 2008) Effects of GSM-modulated radiofrequency electromagnetic fields on mouse bone marrow cells, Radiat Res. 2008 Dec;170(6):803-10.

P **Verschaeve L,** (november 2008) Genetic damage in subjects exposed to radiofrequency radiation, Mutat Res. 2008 Nov 27.

P **Belyaev IY et al,** (oktober 2008) Microwaves from UMTS/GSM mobile phones induce long-lasting inhibition of 53BP1/gamma-H2AX DNA repair foci in human lymphocytes, Bioelectromagnetics. 2008 Oct 6.

P **Franzellitti S et al,** (oktober 2008) HSP70 Expression in Human Trophoblast Cells Exposed to Different 1.8 GHz Mobile Phone Signals, Rad. Res. 2008 Oct;170(4): 488-497.

– **Sheppard AR et al,** (oktober 2008) Quantitative evaluations of mechanisms of radiofrequency interactions with biological molecules and processes, Health Phys. 2008 Oct;95(4):365-96.

P **Sokolovic D et al,** (september 2008) Melatonin Reduces Oxidative Stress Induced by Chronic Exposure of Microwave Radiation from Mobile Phones in Rat Brain, J Radiat Res (Tokyo). 2008 Sep 29.

N **Hoyto A et al,** (september 2008) Radiofrequency radiation does not significantly affect ornithine decarboxylase activity, proliferation, or caspase-3 activity of fibroblasts in different physiological conditions, Int J Radiat Biol. 2008 Sep;84(9):727-33.

N **Huang TQ et al,** (september 2008) Molecular responses of Jurkat T-cells to 1763 MHz radiofrequency radiation, Int J Radiat Biol. 2008 Sep;84(9):734-41.

– **Vanderstraeten J, Verschaeve L**, (september 2008) Gene and protein expression following exposure to radiofrequency fields from mobile phones, Environ Health Perspect. 2008 Sep;116(9):1131-5.

P **Odaci E et al**, (augusti 2008) Effects of prenatal exposure to a 900 Mhz electromagnetic field on the dentate gyrus of rats: a stereological and histopathological study, Brain Res. 2008 Aug 16.

P **Andrzejak R et al**, (augusti 2008) The influence of the call with a mobile phone on heart rate variability parameters in healthy volunteers, Ind Health. 2008 Aug;46(4):409-17.

P **Pavicic I, Trosic I**, (augusti 2008) In vitro testing of cellular response to ultra high frequency electromagnetic field radiation, Toxicol In Vitro. 2008 Aug;22(5):1344-8.

N **Kim TH et al**, (juni 2008) Local exposure of 849 MHz and 1763 MHz radiofrequency radiation to mouse heads does not induce cell death or cell proliferation in brain, Exp Mol Med. 2008 Jun 30;40(3):294-303.

P **Eberhardt JL et al**, (2008) Blood-brain barrier permeability and nerve cell damage in rat brain 14 and 28 days after exposure to microwaves from GSM mobile phones, Electromagn Biol Med. 2008;27(3):215-29.

P **Mathur R**, (2008) Effect of chronic intermittent exposure to AM radiofrequency field on responses to various types of noxious stimuli in growing rats, Electromagn Biol Med. 2008;27(3):266-76.

P **Matronchik AY, Belyaev IY et al**, (2008) Mechanism for combined action of microwaves and static magnetic field: slow non uniform rotation of charged nucleoid, Electromagn Biol Med. 2008;27(4):340-54.

P **Nittby H et al**, (2008) Radiofrequency and extremely low-frequency electromagnetic field effects on the blood-brain barrier, Electromagn Biol Med. 2008;27(2):103-26.

P **Yan JG et al**, (2008) Upregulation of specific mRNA levels in rat brain after cell phone exposure, Electromagn Biol Med. 2008;27(2):147-54.

P **George DF et al**, (maj 2008) Non-thermal effects in the microwave induced unfolding of proteins observed by chaperone binding, Bioelectromagnetics. 2008 May;29(4):324-30.

P **Manti L et al**, (maj 2008) Effects of Modulated Microwave Radiation at Cellular Telephone Frequency (1.95 GHz) on X-Ray-Induced Chromosome Aberrations in Human Lymphocytes In Vitro, Radiat Res. 2008 May;169(5):575-83.

– **Pokorny J et al**, (maj 2008) Biophysical aspects of cancer--electromagnetic mechanism, Indian J Exp Biol. 2008 May;46(5):310-21.

P **Schwarz C et al**, (maj 2008) Radiofrequency electromagnetic fields (UMTS, 1,950 MHz) induce genotoxic effects in vitro in human fibroblasts but not in lymphocytes, Int Arch Occup Environ Health. 2008 May;81(6):755-67.

– **Vijayalaxmi, Prihoda TJ**, (maj 2008) Genetic damage in mammalian somatic cells exposed to radiofrequency radiation: a meta-analysis of data from 63 publications (1990-2005), Radiat Res. 2008 May;169(5):561-74.

P **Yao K et al**, (maj 2008) Effect of superposed electromagnetic noise on DNA damage of lens epithelial cells induced by microwave radiation, Invest Ophthalmol Vis Sci. 2008 May;49(5):2009-15.

P **Lerchl A et al**, (april 2008) Effects of mobile phone electromagnetic fields at nonthermal SAR values on melatonin and body weight of Djungarian hamsters (Phodopus sungorus), J Pineal Res. 2008 Apr;44(3):267-72.

P **Perez FP et al**, (april 2008) Electromagnetic field therapy delays cellular senescence and death by enhancement of the heat shock response, Exp Gerontol. 2008 Apr;43(4):307-16.

– **Li M et al**, (mars 2008) Elevation of plasma corticosterone levels and hippocampal glucocorticoid receptor translocation in rats: a potential mechanism for cognition impairment following chronic low-power-density microwave exposure, J Radiat Res (Tokyo). 2008 Mar;49(2):163-70.

P **Rao VS et al**, (mars 2008) Nonthermal effects of radiofrequency-field exposure on calcium dynamics in stem cell-derived neuronal cells: elucidation of calcium pathways, Radiat Res. 2008 Mar;169(3):319-29.

N **Valbonesi P et al**, (mars 2008) Evaluation of HSP70 Expression and DNA Damage in Cells of a Human Trophoblast Cell Line Exposed to 1.8 GHz Amplitude-Modulated Radiofrequency Fields, Radiat Res. 2008 Mar;169(3):270-9.

P **Aly AA et al**, (februari 2008) Effects of 900-MHz radio frequencies on the chemotaxis of human neutrophils in vitro, IEEE Trans Biomed Eng. 2008 Feb;55(2):795-7.

– **Hardell L, Sage C**, (februari 2008) Biological effects from electromagnetic field exposure and public exposure standards, Biomed Pharmacother. 2008 Feb;62(2):104-9.

P **Karinen A et al**, (februari 2008) Mobile phone radiation might alter protein expression in human skin, BMC Genomics. 2008 Feb 11;9:77.

– **Kim JY et al**, (januari 2008) In vitro assessment of clastogenicity of mobile-phone radiation (835 MHz) using the alkaline comet assay and chromosomal aberration test, Environ Toxicol. 2008 Jan 23.

– **Garaj-Vrhovac V, Orescanin V,** (januari 2008) Assessment of DNA sensitivity in peripheral blood leukocytes after occupational exposure to microwave radiation: the alkaline comet assay and chromatid breakage assay, Cell Biol Toxicol. 2008 Jan 23.

2007

P **Lopez-Berenguer C et al**, (november 2007) Effects of microwave cooking conditions on bioactive compounds present in broccoli inflorescences, J Agric Food Chem. 2007 Nov 28;55(24):10001-7.

P **Roux D et al**, (november 2007) High frequency (900 MHz) low amplitude (5 V m(-1)) electromagnetic field: a genuine environmental stimulus that affects transcription, translation, calcium and energy charge in tomato., Planta. 2007 Nov 20.

P **Friedman J et al**, (augusti 2007) Mechanism of a short-term ERK activation by electromagnetic fields at mobile phone frequency, Biochem J. 2007 Aug 1;405(3):559-68.

P **Guney M et al**, (augusti 2007) 900 MHz radiofrequency-induced histopathologic changes and oxidative stress in rat endometrium: protection by vitamins E and C, Toxicol Ind Health. 2007 Aug;23(7):411-20.

P **Hoyto A et al**, (juni 2007) Ornithine decarboxylase activity is affected in primary astrocytes but not in secondary cell lines exposed to 872 MHz RF radiation, Int J Radiat Biol. 2007 Jun;83(6):367-74.

– **Lin JC, Wang Z**, (juni 2007) Hearing of microwave pulses by humans and animals: effects, mechanism, and thresholds, Health Phys. 2007 Jun;92(6):621-8.

2006

P **Oral B et al**, (november 2006) Endometrial apoptosis induced by a 900-MHz mobile phone: preventive effects of vitamins E and C, Adv Ther. 2006 Nov-Dec;23(6):957-73.

P **Nylund R, Leszcynski D,** (september 2006) Mobile phone radiation causes changes in gene and protein expression in human endothelial cell lines and the response seems to be genome- and proteome-dependent, Proteomics 2006 Sep;6(17):4769-80.

P **Belyaev IY et al,** (maj 2006) Exposure of rat brain to 915 MHz GSM microwaves induces changes in gene expression but not double stranded DNA breaks or effects on chromatin conformation, Bioelectromagnetics. 2006 May;27(4):295-306.

2005

P **Nikolova T et al**, (oktober 2005) Electromagnetic fields affect transcript levels of apoptosis-related genes in embryonic stem cell-derived neural progenitor cells, FASEB J. 2005 Oct;19(12):1686-8.

P **Markova E et al**, (september 2005) Microwaves from GSM mobile telephones affect 53BP1 and gamma-H2AX foci in human lymphocytes from hypersensitive and healthy persons, Environ Health Perspect. 2005 Sep;113(9):1172-7.

P **Wang Q et al**, (september 2005) Effect of 900 MHz electromagnetic fields on the expression of GABA receptor of cerebral cortical neurons in postnatal rats, Wei Sheng Yan Jiu. 2005 Sep;34(5):546-8.

P **Reif JS et al**, (augusti 2005) Human responses to Residential RF exposure, 2 RO1 ES0008117-04.

P **Caraglia M et al**, (augusti 2005) Electromagnetic fields at mobile phone frequency induce apoptosis and inactivation of the multi-chaperone complex in human epidermoid cancer cells, J Cell Physiol. 2005 Aug;204(2):539-48.

P **Ozguner F et al**, (augusti 2005) Comparative analysis of the protective effects of melatonin and caffeic acid phenethyl ester (CAPE) on mobile phone-induced renal impairment in rat, Mol Cell Biochem. 2005 Aug;276(1-2):31-7

P **Oktem F et al**, (juli 2005) Oxidative damage in the kidney induced by 900-MHz-emitted mobile phone: protection by melatonin, Arch Med Res. 2005 Jul-Aug;36(4):350-5.

P **Diem E et al**, (juni 2005) Non-thermal DNA breakage by mobile-phone radiation (1800 MHz) in human fibroblasts and in transformed GFSH-R17 rat granulosa cells in vitro, Mutat Res. 2005 Jun 6;583(2):178-83.

P **Hallberg O, Johansson O**, (2005) FM broadcasting exposure time and malignant melanoma incidence, Electromagnetic Biology and Medicine 24; 1-8.

P **Belyaev IY et al**, (april 2005) 915 MHz microwaves and 50 Hz magnetic field affect chromatin conformation and 53BP1 foci in human lymphocytes from hypersensitive and healthy persons, Bioelectromagnetics. 2005 Apr;26(3):173-84.

P **Wang Q et al**, (mars 2005) Effect of 900Mhz electromagnetic fields on energy metabolism in postnatal rat cerebral cortical neurons, Wei Sheng Yan Jiu. 2005 Mar;34(2):155-8.

2004

P **Lai H**, (oktober 2004) Interaction of microwaves and a temporally incoherent magnetic field on spatial learning in the rat, Physiol Behav. 2004 Oct 15;82(5):785-9.

P **Ozguner F et al**, (september 2004) Prevention of mobile phone induced skin tissue changes by melatonin in rat: an experimental study, Toxicol Ind Health. 2004 Sep;20(6-10):133-9.

P **Wang Q et al**, (juli 2004) Effect of 900MHz electromagnetic fields on energy metabolism of cerebral cortical neurons in postnatal rat, Wei Sheng Yan Jiu. 2004 Jul;33(4):428-9, 432.

P **Czyz J et al**, (maj 2004) High frequency electromagnetic fields (GSM signals) affect gene expression levels in tumor suppressor p53-deficient embryonic stem cells, Bioelectromagnetics. 2004 May;25(4):296-307.

P **Sarimov R et al**, (2004) Nonthermal GSM Microwaves Affect Chromatin Conformation in Human Lymphocytes Similar to Heat Shock, IEEE Trans Plasma Sci 2004; 32 (4): 1600 - 1608.

2003

P **de Pomerai DI et al**, (maj 2003) Microwave radiation can alter protein conformation without bulk heating, FEBS Lett. 2003 May 22;543(1-3):93-7.

2002

P **Burch JB et al**, (november 2002) Melatonin metabolite excretion among cellular telephone users, Int J Radiat Biol. 2002 Nov;78(11):1029-36.

P **Leszczynski D et al**, (maj 2002) Non-thermal activation of the hsp27/p38MAPK stress pathway by mobile phone radiation in human endothelial cells: molecular mechanism for cancer- and blood-brain barrier-related effects, Differentiation. 2002 May;70(2-3):120-9.

P **D'Ambrosio G et al**, (januari 2002) Cytogenetic damage in human lymphocytes following GMSK phase modulated microwave exposure, Bioelectromagnetics. 2002 Jan;23(1):7-13.

2001

P **Tattersall JE et al**, (juni 2001) Effects of low intensity radiofrequency electromagnetic fields on electrical activity in rat hippocampal slices, Brain Res. 2001 Jun 15;904(1):43-53.

2000

P **Wang B, Lai H**, (januari 2000) Acute exposure to pulsed 2450-MHz microwaves affects water-maze performance of rats, Bioelectromagnetics. 2000 Jan;21(1):52-6.

1999

P **Velizarov S et al**, (februari 1999) The effects of radiofrequency fields on cell proliferation are non-thermal, Bioelectrochem Bioenerg. 1999 Feb;48(1):177-80.

1998

P **Daniells C et al**, (mars 1998) Transgenic nematodes as biomonitors of microwave-induced stress, Mutat Res. 1998 Mar 13;399(1):55-64.

1997

P **Donnellan M et al**, (juli 1997) Effects of exposure to electromagnetic radiation at 835 MHz on growth, morphology and secretory characteristics of a mast cell analogue, RBL-2H3, Cell Biol Int. 1997 Jul;21(7):427-39.

P **French PW et al**, (juni 1997) Electromagnetic radiation at 835 MHz changes the morphology and inhibits proliferation of a human astrocytoma cell line, Bioelectrochemistry and Bioenergetics, Juni 1997;43(1):13-18.

1996

P **Singh B, Bate LA**, (november 1996) Responses of pulmonary intravascular macrophages to 915-MHz microwave radiation: ultrastructural and cytochemical study, Anat Rec. 1996 Nov;246(3):343-55.

P **Dobson J, St. Pierre T**, (oktober 1996) Application of the ferromagnetic transduction model to D.C. and pulsed magnetic fields: effects on epileptogenic tissue and implications for cellular phone safety, Biochem Biophys Res Commun 1996 Oct 23;227(3):718-23.

1994

P **Lai H et al**, (1994) Microwave irradiation affects radial-arm maze performance in the rat, Bioelectromagnetics. 1994;15(2):95-104.

1989

P **Lai H et al**, (maj 1989) Low-level microwave irradiation and central cholinergic systems, Pharmacol Biochem Behav. 1989 May;33(1):131-8.

1980

P **Holt JA**, (juni 1980) Changing epidemiology of malignant melanoma in Queensland, Med J Aust. 1980 Jun 14;1(12):619-20.

Utrustning som avger elektromagnetisk strålning i kraftfrekvensspektret (50/60 Hz)

Sammanfattning

Antal studier i denna avdelning: 143 st

P 102 st / 71,3 % N 17 st / 11,9 % – 24 st / 16,8 %

2011

N **Masuda H et al,** (januari 2011) Lack of effect of 50-Hz magnetic field exposure on the binding affinity of serotonin for the 5-HT 1B receptor subtype, Brain Res. 2011 Jan 12;1368:44-51. Epub 2010 Nov 1.

2010

P **Akan Z et al,** (december 2010) Extremely low-frequency electromagnetic fields affect the immune response of monocyte-derived macrophages to pathogens, Bioelectromagnetics. 2010 Dec;31(8):603-12. doi: 10.1002/bem.20607. Epub 2010 Aug 31.

P **Berg H et al,** (december 2010) Bioelectromagnetic field effects on cancer cells and mice tumors, Electromagn Biol Med. 2010 Dec;29(4):132-43.

P **Martinez-Samano J et al,** (december 2010) Effects of acute electromagnetic field exposure and movement restraint on antioxidant system in liver, heart, kidney and plasma of Wistar rats: a preliminary report, Int J Radiat Biol. 2010 Dec;86(12):1088-94. Epub 2010 Aug 11.

P **Yan J et al,** (december 2010) Effects of extremely low-frequency magnetic field on growth and differentiation of human mesenchymal stem cells, Electromagn Biol Med. 2010 Dec;29(4):165-76. Epub 2010 Oct 5.

P **Coskun O, Comlekci S,** (november 2010) Effect of ELF electric field on some on biochemistry characters in the rat serum, Toxicol Ind Health. 2010 Nov 18.

P **Andel R et al,** (november 2010) Work-related exposure to extremely low-frequency magnetic fields and dementia: results from the population-based study of dementia in Swedish twins, J Gerontol A Biol Sci Med Sci. 2010 Nov;65(11):1220-7. Epub 2010 Jul 9.

P **Cuccurazzu B et al,** (november 2010) Exposure to extremely low-frequency (50 Hz) electromagnetic fields enhances adult hippocampal neurogenesis in C57BL/6 mice, Exp Neurol. 2010 Nov;226(1):173-82. Epub 2010 Sep 15.

P **Tenorio BM et al,** (oktober 2010) Testicular development evaluation in rats exposed to 60 Hz and 1 mT electromagnetic field, J Appl Toxicol. 2010 Oct 8.

N **Kheifets L et al,** (oktober 2010) A pooled analysis of extremely low-frequency magnetic fields and childhood brain tumors, Am J Epidemiol. 2010 Oct 1;172(7):752-61. Epub 2010 Aug 9.

P **Kim J et al,** (oktober 2010) Repetitive exposure to a 60-Hz time-varying magnetic field induces DNA double-strand breaks and apoptosis in human cells, Biochem Biophys Res Commun. 2010 Oct 1;400(4):739-44. Epub 2010 Sep 15.

P **Sun W et al,** (oktober 2010) Effects of 50-Hz magnetic field exposure on hormone secretion and apoptosis-related gene expression in human first trimester villous trophoblasts in vitro, Bioelectromagnetics. 2010 Oct;31(7):566-72.

P **Ulku R et al,** (september 2010) Extremely Low-Frequency Magnetic Field Decreased Calcium, Zinc and Magnesium Levels in Costa of Rat, Biol Trace Elem Res. 2010 Sep 25.

P **Emre M et al,** (september 2010) Oxidative Stress and Apoptosis in Relation to Exposure to Magnetic Field, Cell Biochem Biophys. 2010 Sep 8.

N **Rajkovic V et al,** (augusti 2010) Studies on the synergistic effects of extremely low-frequency magnetic fields and the endocrine-disrupting compound atrazine on the thyroid gland, Int J Radiat Biol. 2010 Aug 10.

P **Iorio R et al,** (augusti 2010) Involvement of mitochondrial activity in mediating ELF-EMF stimulatory effect on human sperm motility, Bioelectromagnetics. 2010 Aug 5.

P **Mariucci G et al,** (augusti 2010) Brain DNA damage and 70-kDa heat shock protein expression in CD1 mice exposed to extremely low frequency magnetic fields, Int J Radiat Biol. 2010 Aug;86(8):701-10.

– **Mild KH, Mattsson MO,** (augusti 2010) ELF noise fields: a review, Electromagn Biol Med. 2010 Aug;29(3):72-97.

P **Rajkovic V et al,** (augusti 2010) Combined exposure of peripubertal male rats to the endocrine-disrupting compound atrazine and power-frequency electromagnetic fields causes degranulation of cutaneous mast cells: a new toxic environmental hazard?, Arch Environ Contam Toxicol. 2010 Aug;59(2):334-41. Epub 2010 Feb 11.

P **Akdag MZ et al,** (juni 2010) The effect of long-term extremely low-frequency magnetic field on geometric and biomechanical properties of rats' bone, Electromagn Biol Med. 2010 Jun;29(1-2):9-18.

P **Bernabo N et al,** (juni 2010) Extremely low frequency electromagnetic field exposure affects fertilization outcome in swine animal model, Theriogenology. 2010 Jun;73(9):1293-305. Epub 2010 Feb 21.

P **Garip AI, Akan Z,** (juni 2010) Effect of ELF-EMF on number of apoptotic cells; correlation with reactive oxygen species and HSP, Acta Biol Hung. 2010 Jun;61(2):158-67.

P **Goraca A et al,** (juni 2010) Effects of extremely low frequency magnetic field on the parameters of oxidative stress in heart, J Physiol Pharmacol. 2010 Jun;61(3):333-8.

P **Kolodziejczyk L et al,** (2010) Extremely low frequency magnetic field and the hatching rate of Fasciola hepatica eggs, the fecundity and survival of liver fluke-infected snail, Lymnaea truncatula, Folia Biol (Krakow). 2010;58(3-4):157-61.

N **Okudan N et al,** (2010) Effects of long-term 50 Hz magnetic field exposure on the micro nucleated polychromatic erythrocyte and blood lymphocyte frequency and argyrophilic nucleolar organizer regions in lymphocytes of mice, Neuro Endocrinol Lett. 2010;31(2):208-14.

– **Goudarzi I et al,** (maj 2010) Pulsed electromagnetic fields accelerate wound healing in the skin of diabetic rats, Bioelectromagnetics. 2010 May;31(4):318-23.

P **Girgert R et al,** (april 2010) Signal transduction of the melatonin receptor MT1 is disrupted in breast cancer cells by electromagnetic fields, Bioelectromagnetics. 2010 Apr;31(3):237-45.

P **Reyes-Guerrero G et al,** (mars 2010) Extremely low-frequency electromagnetic fields differentially regulate estrogen receptor-alpha and -beta expression in the rat olfactory bulb, Neurosci Lett. 2010 Mar 3;471(2):109-13. Epub 2010 Jan 18.

N **Akdag MZ et al,** (februari 2010) Effects of Extremely Low-Frequency Magnetic Field on Caspase Activities and Oxidative Stress Values in Rat Brain, Biol Trace Elem Res. 2010 Feb 23.

– **Jahandideh S et al,** (februari 2010) Comparing performances of logistic regression and neural networks for predicting melatonin excretion patterns in the rat exposed to ELF magnetic fields, Bioelectromagnetics. 2010 Feb;31(2):164-71.

P **Focke F et al,** (januari 2010) DNA fragmentation in human fibroblasts under extremely low frequency electromagnetic field exposure, Mutat Res. 2010 Jan 5;683(1-2):74-83.

P **Rajaei F et al,** (januari 2010) Effects of extremely low-frequency electromagnetic field on fertility and heights of epithelial cells in pre-implantation stage endometrium and fallopian tube in mice, Zhong Xi Yi Jie He Xue Bao. 2010 Jan;8(1):56-60.

P **Severini M et al,** (januari 2010) Metamorphosis delay in Xenopus laevis (Daudin) tadpoles exposed to a 50 Hz weak magnetic field, Int J Radiat Biol. 2010 Jan;86(1):37-46.

P **Di Campli E et al,** (juni 2010) Effects of extremely low-frequency electromagnetic fields on Helicobacter pylori biofilm, Curr Microbiol. 2010 Jun;60(6):412-8. Epub 2009 Dec 24.

P **Morabito C et al,** (februari 2010) Modulation of redox status and calcium handling by extremely low frequency electromagnetic fields in C2C12 muscle cells: A real-time, single-cell approach, Free Radic Biol Med. 2010 Feb 15;48(4):579-89. Epub 2009 Dec 11.

2009

P **Celikler S et al,** (december 2009) A biomonitoring study of genotoxic risk to workers of transformers and distribution line stations, Int J Environ Health Res. 2009 Dec;19(6):421-30.

P **Del Re B et al,** (december 2009) Extremely low frequency magnetic field exposure affects DnaK and GroEL expression in E. coli cells with impaired heat shock response, Gen Physiol Biophys. 2009 Dec;28(4):420-4.

P **Perez-Castejon C et al,** (december 2009) Exposure to ELF-pulse modulated X band microwaves increases in vitro human astrocytoma cell proliferation, Histol Histopathol. 2009 Dec;24(12):1551-61.

N **de Gannes FP et al,** (oktober 2009) Amyotrophic lateral sclerosis (ALS) and extremely-low frequency (ELF) magnetic fields: a study in the SOD-1 transgenic mouse model, Amyotroph Lateral Scler. 2009 Oct-Dec;10(5-6):370-3.

P **Patruno A et al,** (oktober 2009) Extremely low frequency electromagnetic fields modulate expression of inducible nitric oxide synthase, endothelial nitric oxide synthase and cyclooxygenase-2 in the human keratinocyte cell line HaCat: potential therapeutic effects in wound healing, Br J Dermatol. 2010 Feb 1;162(2):258-66. Epub 2009 Oct 3.

P **Gobba F et al,** (oktober 2009) Natural killer cell activity decreases in workers occupationally exposed to extremely low frequency magnetic fields exceeding 1 microT, Int J Immunopathol Pharmacol. 2009 Oct-Dec;22(4):1059-66.

P **Albanese A et al,** (2009) Alterations in adenylate kinase activity in human PBMCs after in vitro exposure to electromagnetic field: comparison between extremely low frequency electromagnetic field (ELF) and therapeutic application of a musically modulated electromagnetic fiel, J Biomed Biotechnol. 2009;2009:717941. Epub 2009 Sep 16.

P **Eleuteri AM et al,** (2009) 50 Hz extremely low frequency electromagnetic fields enhance protein carbonyl groups content in cancer cells: effects on proteasomal systems, J Biomed Biotechnol. 2009;2009:834239. Epub 2009 Aug 5.

P **Robertson JA et al,** (augusti 2009) Low-frequency pulsed electromagnetic field exposure can alter neuroprocessing in humans, J R Soc Interface. 2009 Aug 5.

P **Contalbrigo L et al,** (augusti 2009) Effects of different electromagnetic fields on circadian rhythms of some haematochemical parameters in rats, Biomed Environ Sci. 2009 Aug;22(4):348-53.

P **Dundar B et al,** (augusti 2009) The effect of the prenatal and post-natal long-term exposure to 50 Hz electric field on growth, pubertal development and IGF-1 levels in female Wistar rats, Toxicol Ind Health. 2009 Aug;25(7):479-87.

P **Gonet B et al,** (juli 2009) Effects of extremely low-frequency magnetic fields on the oviposition of Drosophila melanogaster over three generations, Bioelectromagnetics. 2009 Jul 23.

P **Goodman R et al,** (juli 2009) Extremely low frequency electromagnetic fields activate the ERK cascade, increase hsp70 protein levels and promote regeneration in Planaria, Int J Radiat Biol. 2009 Jul 9:1-9.

– **Funk RH et al,** (2009) Electromagnetic effects - From cell biology to medicine, Prog Histochem Cytochem. 2009;43(4):177-264. Epub 2008 Sep 18.

2008

P **Yang Y et al,** (december 2008) Case-only study of interactions between DNA repair genes (hMLH1, APEX1, MGMT, XRCC1 and XPD) and low-frequency electromagnetic fields in childhood acute leukemia, Leuk Lymphoma. 2008 Dec;49(12):2344-50.

N **Burdak-Rothkamm S et al,** (november 2008) DNA and chromosomal damage in response to intermittent extremely low-frequency magnetic fields, Mutat Res. 2008 Nov 13.

P **Kim YW et al,** (oktober 2008) Effects of 60 Hz 14 microT magnetic field on the apoptosis of testicular germ cell in mice, Bioelectromagnetics. 2008 Oct 6.

N **Bernard N et al,** (oktober 2008) Assessing the Potential Leukemogenic Effects of 50 Hz and their Harmonics Using an Animal Leukemia Model, J Radiat Res (Tokyo). 2008 Oct 4.

P **Yokus B et al,** (oktober 2008) Extremely low frequency magnetic fields cause oxidative DNA damage in rats, Int J Radiat Biol. 2008 Oct;84(10):789-95.

P **Palumbo R et al,** (september 2008) Exposure to 900 MHz Radiofrequency Radiation Induces Caspase 3 Activation in Proliferating Human Lymphocytes, Radiat Res. 2008 Sep;170(3):327-34.

P **Soda A et al,** (augusti 2008) Effect of exposure to an extremely low frequency-electromagnetic field on the cellular collagen with respect to signaling pathways in osteoblast-like cells, J Med Invest. 2008 Aug;55(3-4):267-78.

P **Binhi V,** (juli 2008) Do naturally occurring magnetic nanoparticles in the human body mediate increased risk of childhood leukaemia with EMF exposure?, Int J Radiat Biol. 2008 Jul;84(7):569-79.

P **Falone S et al**, (juni 2008) Chronic exposure to 50Hz magnetic fields causes a significant weakening of antioxidant defence systems in aged rat brain, Int J Biochem Cell Biol. 2008 Jun 10.

P **Blank M**, (2008) Protein and DNA reactions stimulated by electromagnetic fields, Electromagn Biol Med. 2008;27(1):3-23.

P **Juutilainen J**, (2008) Do electromagnetic fields enhance the effects of environmental carcinogens?, Radiat Prot Dosimetry. 2008;132(2):228-31.

– **Sharifian A et al**, (maj 2008) Effect of extremely low frequency magnetic field on antioxidant activity in plasma and red blood cells in spot welders., Int Arch Occup Environ Health. 2008 May 27.

P **Cellini L et al**, (maj 2008) Bacterial response to the exposure of 50 Hz electromagnetic fields, Bioelectromagnetics. 2008 May;29(4):302-11.

– **Pokorny J et al**, (maj 2008) Biophysical aspects of cancer--electromagnetic mechanism, Indian J Exp Biol. 2008 May;46(5):310-21.

P **Vianale G et al**, (april 2008) Extremely low frequency electromagnetic field enhances human keratinocyte cell growth and decreases proinflammatory chemokine production, Br J Dermatol. 2008 Apr 10.

P **Henshaw DL et al**, (april 2008) Can disturbances in the atmospheric electric field created by powerline corona ions disrupt melatonin production in the pineal gland?, J Pineal Res. 2008 Apr 1.

P **St-Pierre LS et al**, (april 2008) Altered blood chemistry and hippocampal histomorphology in adult rats following prenatal exposure to physiologically-patterned, weak (50-500 nanoTesla range) magnetic fields, Int J Radiat Biol. 2008 Apr;84(4):325-35.

– **Liu T et al**, (mars 2008) Anxiogenic effect of chronic exposure to extremely low frequency magnetic field in adult rats, Neurosci Lett. 2008 Mar 21;434(1):12-7.

– **Hardell L, Sage C**, (februari 2008) Biological effects from electromagnetic field exposure and public exposure standards, Biomed Pharmacother. 2008 Feb;62(2):104-9.

P **Fedrowitz M, Loscher W**, (januari 2008) Exposure of Fischer 344 rats to a weak power frequency magnetic field facilitates mammary tumorigenesis in the DMBA model of breast cancer, Carcinogenesis. 2008 Jan;29(1):186-93.

2007

P **Binhi V**, (januari 2007) A mathematical model of DNA degradation: possible role of magnetic nanoparticles, arXiv.org - 0701202v1.

2006

– **Ravindra T et al**, (december 2006) Melatonin in pathogenesis and therapy of cancer, Indian J Med Sci. 2006 Dec;60(12):523-35.

– **Swanson J et al**, (september 2006) Power-frequency electric and magnetic fields in the light of Draper et al. 2005, Ann N Y Acad Sci. 2006 Sep;1076:318-30.

P **Davis S et al**, (augusti 2006) Effects of 60-Hz magnetic field exposure on nocturnal 6-sulfatoxymelatonin, estrogens, luteinizing hormone, and follicle-stimulating hormone in healthy reproductive-age women: results of a crossover trial, Ann Epidemiol. 2006 Aug;16(8):622-31.

P **Espinosa JM et al**, (juli 2006) Exposure to AC and DC magnetic fields induces changes in 5-HT1B receptor binding parameters in rat brain membranes, Bioelectromagnetics. 2006 Jul;27(5):414-22.

P **Juutilainen J, Kumlin T**, (juli 2006) Occupational magnetic field exposure and melatonin: interaction with light-at-night, Bioelectromagnetics. 2006 Jul;27(5):423-6.

– **Blackman CF**, (2006) Can EMF exposure during development leave an imprint later in life?, Electromagn Biol Med. 2006;25(4):217-25.

P **Persinger MA**, (2006) A potential multiple resonance mechanism by which weak magnetic fields affect molecules and medical problems: the example of melatonin and experimental "multiple sclerosis", Med Hypotheses. 2006;66(4):811-5.

P **Altpeter ES et al**, (februari 2006) Effect of short-wave (6-22 MHz) magnetic fields on sleep quality and melatonin cycle in humans: the Schwarzenburg shut-down study, Bioelectromagnetics. 2006 Feb;27(2):142-50.

– **Koziak AM et al**, (januari 2006) Light alters nociceptive effects of magnetic field shielding, Bioelectromagnetics. 2006 Jan;27(1):10-5.

2005

P **Blask DE et al**, (december 2005) Melatonin-depleted blood from premenopausal women exposed to light at night stimulates growth of human breast cancer xenografts in nude rats, Cancer Res. 2005 Dec 1;65(23):11174-84.

P **Li L et al**, (december 2005) Pulsed electric field exposure of insulin induces anti-proliferative effects on human hepatocytes, Bioelectromagnetics. 2005 Dec;26(8):639-47.

P **Girgert R et al**, (november 2005) Induction of tamoxifen resistance in breast cancer cells by ELF electromagnetic fields, Biochem Biophys Res Commun. 2005 Nov 4;336(4):1144-9.

P **Winker R et al**, (augusti 2005) Chromosomal damage in human diploid fibroblasts by intermittent exposure to extremely low-frequency electromagnetic fields, Mutat Res. 2005 Aug 1;585(1-2):43-9.

– **Ainsbury EA et al**, (juli 2005) An investigation into the vector ellipticity of extremely low frequency magnetic fields from appliances in UK homes, Phys Med Biol. 2005 Jul 7;50(13):3197-209.

P **Chiu RS, Stuchly MA**, (juni 2005) Electric fields in bone marrow substructures at power-line frequencies, IEEE Trans Biomed Eng. 2005 Jun;52(6):1103-9.

P **Henshaw DL, Reiter RJ**, (2005) Do magnetic fields cause increased risk of childhood leukemia via melatonin disruption?, Bioelectromagnetics. 2005;Suppl 7:S86-97.

– **Binhi V, Chernavskh D**, (2005) Stochastic dynamics of magnetosomes in cytoskeleton, Europhysics Letters - 70 (6), pp. 850–856 (2005).

– **Carrillo-Vico A et al**, (februari 2005) Human lymphocyte-synthesized melatonin is involved in the regulation of the interleukin-2/interleukin-2 receptor system, J Clin Endocrinol Metab. 2005 Feb;90(2):992-1000.

2004

P **Simko M, Mattsson MO**, (september 2004) Extremely low frequency electromagnetic fields as effectors of cellular responses in vitro: possible immune cell activation, J Cell Biochem. 2004 Sep 1;93(1):83-92.

P **Lai H, Singh NP**, (maj 2004) Magnetic-field-induced DNA strand breaks in brain cells of the rat, Environ Health Perspect. 2004 May;112(6):687-94.

P **Lee BC et al**, (januari 2004) Effects of extremely low frequency magnetic field on the antioxidant defense system in mouse brain: a chemiluminescence study, J Photochem Photobiol B. 2004 Jan 23;73(1-2):43-8.

P **Fedrowitz M et al**, (januari 2004) Significant differences in the effects of magnetic field exposure on 7,12-dimethylbenz(a)anthracene-induced mammary carcinogenesis in two substrains of Sprague-Dawley rats, Cancer Res. 2004 Jan 1;64(1):243-51.

– **Rodriguez C et al**, (januari 2004) Regulation of antioxidant enzymes: a significant role for melatonin, J Pineal Res. 2004 Jan;36(1):1-9.

2003

P **Ivancsits S et al**, (juli 2003) Intermittent extremely low frequency electromagnetic fields cause DNA damage in a dose-dependent way, Int Arch Occup Environ Health. 2003 Jul;76(6):431-6.

P **Cho YH, Chung HW**, (juni 2003) The effect of extremely low frequency electromagnetic fields (ELF-EMF) on the frequency of micronuclei and sister chromatid exchange in human lymphocytes induced by benzo(a)pyrene, Toxicol Lett. 2003 Jun 5;143(1):37-44.

P **Lewy H et al**, (juni 2003) Magnetic field (50 Hz) increases N-acetyltransferase, hydroxy-indole-O-methyltransferase activity and melatonin release through an indirect pathway, Int J Radiat Biol. 2003 Jun;79(6):431-5.

N **Touitou Y et al**, (juni 2003) Magnetic fields and the melatonin hypothesis: a study of workers chronically exposed to 50-Hz magnetic fields, Am J Physiol Regul Integr Comp Physiol. 2003 Jun;284(6):R1529-35.

2002

P **Kaune WT**, (december 2002) Thermal noise limit on the sensitivity of cellular membranes to power frequency electric and magnetic fields, Bioelectromagnetics. 2002 Dec;23(8):622-8.

P **Burch JB et al**, (november 2002) Melatonin metabolite excretion among cellular telephone users, Int J Radiat Biol. 2002 Nov;78(11):1029-36.

P **Kavet R, Zaffanella LE**, (september 2002) Contact voltage measured in residences: implications to the association between magnetic fields and childhood leukemia, Bioelectromagnetics. 2002 Sep;23(6):464-74.

P **Fedrowitz M et al**, (mars 2002) Magnetic field exposure increases cell proliferation but does not affect melatonin levels in the mammary gland of female Sprague Dawley rats, Cancer Res. 2002 Mar 1;62(5):1356-63.

P **Ishido M et al**, (februari 2002) The mechanism of biological magnetic field effects on oncostatic actions of melatonin, RIKEN review - No. 44 (februari, 2002).

2001

P **Tonini R et al**, (november 2001) Calcium protects differentiating neuroblastoma cells during 50 Hz electromagnetic radiation, Biophys J. 2001 Nov;81(5):2580-9.

P **Davis S et al**, (oktober 2001) Residential magnetic fields, light-at-night, and nocturnal urinary 6-sulfatoxymelatonin concentration in women, Am J Epidemiol. 2001 Oct 1;154(7):591-600.

P **Levallois P et al**, (oktober 2001) Effects of electric and magnetic fields from high-power lines on female urinary excretion of 6-sulfatoxymelatonin, Am J Epidemiol. 2001 Oct 1;154(7):601-9.

P **Simko M et al**, (augusti 2001) Micronucleus induction in Syrian hamster embryo cells following exposure to 50 Hz magnetic fields, benzo(a)pyrene, and TPA in vitro, Mutat Res. 2001 Aug 22;495(1-2):43-50.

P **Ishido M et al**, (juli 2001) Magnetic fields (MF) of 50 Hz at 1.2 microT as well as 100 microT cause uncoupling of inhibitory pathways of adenylyl cyclase mediated by melatonin 1a receptor in MF-sensitive MCF-7 cells, Carcinogenesis. 2001 Jul;22(7):1043-8.

P **Blackman CF et al**, (februari 2001) The influence of 1.2 microT, 60 Hz magnetic fields on melatonin- and tamoxifen-induced inhibition of MCF-7 cell growth, Bioelectromagnetics. 2001 Feb;22(2):122-8.

2000

P **Cecconi S et al**, (november 2000) Evaluation of the effects of extremely low frequency electromagnetic fields on mammalian follicle development, Hum Reprod. 2000 Nov;15(11):2319-25.

N **Woods M et al**, (november 2000) Lyn and syk tyrosine kinases are not activated in B-lineage lymphoid cells exposed to low-energy electromagnetic fields, FASEB J. 2000 Nov;14(14):2284-90.

– **Anderson LE et al**, (september 2000) Effects of 50- or 60-hertz, 100 microT magnetic field exposure in the DMBA mammary cancer model in Sprague-Dawley rats: possible explanations for different results from two laboratories, Environ Health Perspect. 2000 Sep;108(9):797-802.

N **Loberg LI et al**, (maj 2000) Expression of cancer-related genes in human cells exposed to 60 Hz magnetic fields, Radiat Res. 2000 May;153(5 Pt 2):679-84.

P **van Wijngaarden E et al**, (april 2000) Exposure to electromagnetic fields and suicide among electric utility workers: a nested case-control study, Occup Environ Med. 2000 Apr;57(4):258-63.

P **Burch JB et al**, (februari 2000) Melatonin metabolite levels in workers exposed to 60-Hz magnetic fields: work in substations and with 3-phase conductors, J Occup Environ Med. 2000 Feb;42(2):136-42.

P **Wei M et al**, (februari 2000) Exposure to 60-Hz magnetic fields and proliferation of human astrocytoma cells in vitro, Toxicol Appl Pharmacol. 2000 Feb 1;162(3):166-76.

N **Wey HE et al**, (februari 2000) 50-Hertz magnetic field and calcium transients in Jurkat cells: results of a research and public information dissemination (RAPID) program study, Environ Health Perspect. 2000 Feb;108(2):135-40.

1999

P **Fews AP et al**, (december 1999) Corona ions from powerlines and increased exposure to pollutant aerosols, Int J Radiat Biol. 1999 Dec;75(12):1523-31.

P **Fews AP et al**, (december 1999) Increased exposure to pollutant aerosols under high voltage power lines, Int J Radiat Biol. 1999 Dec;75(12):1505-21.

– **Loberg LI et al**, (augusti 1999) Gene expression in human breast epithelial cells exposed to 60 Hz magnetic fields, Carcinogenesis. 1999 Aug;20(8):1633-6.

– **Burch JB et al**, (juli 1999) Reduced excretion of a melatonin metabolite in workers exposed to 60 Hz magnetic fields, Am J Epidemiol. 1999 Jul 1;150(1):27-36.

P **Galvanovskis J et al**, (1999) Cytoplasmic Ca2+ oscillations in human leukemia T-cells are reduced by 50 Hz magnetic fields, Bioelectromagnetics. 1999;20(5):269-76.

1998

P **Miller SC, Furniss MJ**, (december 1998) Bruton's tyrosine kinase activity and inositol 1,4,5-trisphosphate production are not altered in DT40 lymphoma B cells exposed to power line frequency magnetic fields, J Biol Chem. 1998 Dec 4;273(49):32618-26.

P **Burch JB et al**, (juni 1998) Nocturnal excretion of a urinary melatonin metabolite among electric utility workers, Scand J Work Environ Health. 1998 Jun;24(3):183-9.

P **Lai H et al**, (1998) Acute exposure to a 60 Hz magnetic field affects rats' water-maze performance, Bioelectromagnetics. 1998;19(2):117-22.

P **Tuinstra R et al**, (1998) Protein kinase C activity following exposure to magnetic field and phorbol ester, Bioelectromagnetics. 1998;19(8):469-76.

P **Kristupaitis D et al**, (maj 1998) Electromagnetic field-induced stimulation of Bruton's tyrosine kinase, J Biol Chem. 1998 May 15;273(20):12397-401.

P **Cohen B et al**, (maj 1998) Deposition of charged particles on lung airways, Health Phys 74(5):554-60.

P **Dibirdik I et al**, (februari 1998) Stimulation of Src family protein-tyrosine kinases as a proximal and mandatory step for SYK kinase-dependent phospholipase Cgamma2 activation in lymphoma B cells exposed to low energy electromagnetic fields, J Biol Chem. 1998 Feb 13;273(7):4035-9.

1997

N **Lyle DB et al**, (1997) Intracellular calcium signaling by Jurkat T-lymphocytes exposed to a 60 Hz magnetic field, Bioelectromagnetics. 1997;18(6):439-45.

1996

N **Dees C et al**, (oktober 1996) Effects of 60-Hz fields, estradiol and xenoestrogens on human breast cancer cells, Radiat Res. 1996 Oct;146(4):444-52.

P **Lai H**, (1996) Spatial learning deficit in the rat after exposure to a 60 Hz magnetic field, Bioelectromagnetics. 1996;17(6):494-6.

N **Reipert BM et al**, (1996) Exposure to extremely low frequency magnetic fields has no effect on growth rate or clonogenic potential of multipotential haemopoietic progenitor cells, Growth Factors. 1996;13(3-4):205-17.

1995

P **Uckun FM et al**, (november 1995) Exposure of B-lineage lymphoid cells to low energy electromagnetic fields stimulates Lyn kinase, J Biol Chem. 1995 Nov 17;270(46):27666-70.

N **Lacy-Hulbert A et al**, (oktober 1995) No effect of 60 Hz electromagnetic fields on MYC or beta-actin expression in human leukemic cells, Radiat Res. 1995 Oct;144(1):9-17.

1994

P **Kato M et al**, (januari 1994) Circularly polarized 50-Hz magnetic field exposure reduces pineal gland and blood melatonin concentrations of Long-Evans rats, Neurosci Lett. 1994 Jan 17;166(1):59-62.

1993

P **Liburdy RP et al**, (november 1993) Experimental evidence for 60 Hz magnetic fields operating through the signal transduction cascade. Effects on calcium influx and c-MYC mRNA induction, FEBS Lett. 1993 Nov 22;334(3):301-8.

N **Coulton LA, Barker AT**, (mars 1993) Magnetic fields and intracellular calcium: effects on lymphocytes exposed to conditions for 'cyclotron resonance', Phys Med Biol. 1993 Mar;38(3):347-60.

1992

P **Walleczek J**, (oktober 1992) Electromagnetic field effects on cells of the immune system: the role of calcium signaling, FASEB J. 1992 Oct;6(13):3177-85.

– **Kirschvink JL et al**, (augusti 1992) Magnetite biomineralization in the human brain, Proc Natl Acad Sci U S A. 1992 Aug 15;89(16):7683-7.

1984

– **van Zwieten MJ et al**, (september 1984) Differences in DMBA-induced mammary neoplastic responses in two lines of Sprague-Dawley rats, Eur J Cancer Clin Oncol. 1984 Sep;20(9):1199-204.

1982

– **Lawrence AF, Adey WR**, (1982) Nonlinear wave mechanisms in interactions between excitable tissue and electromagnetic fields, Neurol Res. 1982;4(1-2):115-53.

– **Tamarkin L et al**, (maj 1982) Decreased nocturnal plasma melatonin peak in patients with estrogen receptor positive breast cancer, Science. 1982 May 28;216(4549):1003-5.

1981

– **Tamarkin L et al**, (november 1981) Melatonin inhibition and pinealectomy enhancement of 7,12-dimethylbenz(a)anthracene-induced mammary tumors in the rat, Cancer Res. 1981 Nov;41(11 Pt 1):4432-6.

Personindex

Notering: Följande vetenskapliga arbeten är sorterade efter sina namn: *California EMF Program*, *REFLEX Report*, *SAGE och UKCCS*.

E

F

G

H

I

J

K

L

M

N

O

P

R

S

T

U

V & W

X

Y

Z

CUI BONO

Detta informationsmaterial är sammanställt av Föreningen Cui Bono i Göteborg.
Vi rekommenderar att du själv söker information och bildar dig en egen uppfattning i denna fråga.

www.foreningencuibono.se