

This is a bibliography of referenced review articles from Dr. Martin Pall's meta-review titled
5G: Great risk for EU, U.S. and International Health! Compelling Evidence for Eight Distinct Types of Great Harm Caused by Electromagnetic Field (EMF) Exposures and the Mechanism that Causes Them

- Adams JA, Galloway TS, Mondal D, Esteves SC, Mathews F. Effect of mobile telephones on sperm quality: a systematic review and meta-analysis. *Environ Int* (2014); 70:106-112.
- Adey WR. Cell membranes: the electromagnetic environment and cancer promotion. *Neurochem Res* (1988); 13(7):671-677.
- Adey WR. Joint actions of environmental nonionizing electromagnetic fields and chemical pollution in cancer promotion. *Environ Health Perspect* (1990); 86:297-305.
- Adey WR. Biological effects of electromagnetic fields. *J Cell Biochem* (1993); 51(4):410-416.
- Agarwal A, Durairajanayagam D. Are men talking their reproductive health away. *Asian J Androl* (2015); 17(3):433-434.
- Aitken RJ, De Iuliis GN. Origins and consequences of DNA damage in male germ cells. *Reprod Biomed Online* (2007); 14(6):727-733.
- Alegría-Loyola MA, Galnares-Olalde JA, Mercado M. [Tumors of the central nervous system]. *Rev Med Inst Mex Seguro Soc* (2017); 55(3):330-340.
- Asghari A, Khaki AA, Rajabzadeh A, Khaki A. A review on Electromagnetic fields (EMFs) and the reproductive system. *Electron Physician* (2016); 8(7):2655-2662.
- Batista Napotnik T, Reberšek M, Vernier PT, Mali B, Miklavčič D. Effects of high voltage nanosecond electric pulses on eukaryotic cells (in vitro): A systematic review. *Bioelectrochemistry* (2016); 110:1-12.
- Behari J, Paulraj R. Biomarkers of induced electromagnetic field and cancer. *Indian J Exp Biol* (2007); 45(1):77-85.
- Belpomme D, Hardell L, Belyaev I, Burgio E, Carpenter DO. Thermal and non-thermal health effects of low intensity non-ionizing radiation: An international perspective. *Environ Pollut* (2018); 242(Pt A):643-658.
- Belyaev I EA. EUROPAEM EMF Guideline 2015 for the prevention, diagnosis and treatment of EMF-related health problems and illnesses. *Rev Environ Health* (2015); 30(4):337-371.
- Belyaev I. Non-thermal biological effects of microwaves. *Microwave Rev* (2005a); 11:13-29.
- Belyaev I. Nonthermal Biological Effects of Microwaves: Current Knowledge, Further Perspective, and Urgent Needs. *Electromagnetic Biology and Medicine* (2005b); 24(3):375-403.
- Belyaev IY. Biophysical mechanisms for nonthermal microwave effects. ed. *Electromagnetic Fields in Biology and Medicine*. New York: CRC Press, 2015: 49-67.
- Bielsa-Fernández P, Rodríguez-Martín B. [Association between radiation from mobile phones and tumour risk in adults]. *Gac Sanit* (2018); 32(1):81-91.
- Bise W. Low power radio-frequency and microwave effects on human electroencephalogram and behavior. *Physiol Chem Phys* (1978); 10(5):387-398.
- Bortkiewicz A, Gadzicka E, Szymczak W. Mobile phone use and risk for intracranial tumors and salivary gland tumors - A meta-analysis. *Int J Occup Med Environ Health* (2017); 30(1):27-43.
- Carlberg M, Hardell L. Evaluation of Mobile Phone and Cordless Phone Use and Glioma Risk Using the Bradford Hill Viewpoints from 1965 on Association or Causation. *Biomed Res Int* (2017); 2017:1-17.

- Carpenter D, Davanipour Z, Gee D et al. BioInitiative Report: A Rationale for a Biologically-based Public Exposure Standard for Electromagnetic Fields (ELF and RF). eds. bioinitiative.org, 2007: 1-610.
- Carpenter DO. Electromagnetic fields and cancer: the cost of doing nothing. *Rev Environ Health* (2010); 25(1):75-80.
- Carpenter DO. Human disease resulting from exposure to electromagnetic fields. *Rev Environ Health* (2013); 28(4):159-172.
- Consales C, Merla C, Marino C, Benassi B. Electromagnetic fields, oxidative stress, and neurodegeneration. *Int J Cell Biol* (2012); 2012683897.
- Creighton MO, Larsen LE, Stewart-DeHaan PJ et al. In vitro studies of microwave-induced cataract. II. Comparison of damage observed for continuous wave and pulsed microwaves. *Exp Eye Res* (1987); 45(3):357-373.
- Dasdag S, Akdag MZ. The link between radiofrequencies emitted from wireless technologies and oxidative stress. *J Chem Neuroanat* (2016); 75(Pt B):85-93.
- Davanipour Z, Sobel E. Long-term exposure to magnetic fields and the risks of Alzheimer's disease and breast cancer: Further biological research. *Pathophysiology* (2009); 16(2-3):149-156.
- Davis DL, Kesari S, Soskolne CL, Miller AB, Stein Y. Swedish review strengthens grounds for concluding that radiation from cellular and cordless phones is a probable human carcinogen. *Pathophysiology* (2013); 20(2):123-129.
- Desai NR, Kesari KK, Agarwal A. Pathophysiology of cell phone radiation: oxidative stress and carcinogenesis with focus on male reproductive system. *Reprod Biol Endocrinol* (2009); 7114.
- Dwyer MJ, Leeper DB. A Current Literature Report on the Carcinogenic Properties of Ionizing and Nonionizing Radiation. *DHEW Publication (NIOSH) 78-134* (1978);
- Falcioni L, Bua L, Tibaldi E et al. Report of final results regarding brain and heart tumors in Sprague-Dawley rats exposed from prenatal life until natural death to mobile phone radiofrequency field representative of a 1.8 GHz GSM base station environmental emission. *Environ Res* (2018); 165496-503.
- Frey AH. Differential biologic effects of pulsed and continuous electromagnetic fields and mechanisms of effect. *Ann N Y Acad Sci* (1974); 238273-279.
- Frey AH. Electromagnetic field interactions with biological systems. *The FASEB Journal* (1993); 7(2):272-281.
- Funk RH, Monsees T, Ozkucur N. Electromagnetic effects - From cell biology to medicine. *Prog Histochem Cytochem* (2009); 43(4):177-264.
- Giuliani L, Soffritti M. Non-Thermal Effects and Mechanisms of Interaction Between Electromagnetic Fields and Living Matter -- An ICEMS Monograph. *Eur J Oncol Library* (2010); 51-403.
- Glaser ZR. Bibliography of Reported Biological Phenomena ('Effects') and Clinical Manifestations Attributed to Microwave and Radio-Frequency Radiation. *Naval Medical Research Institute Research Report* (1972); 1-106.
- Goldsmith JR. Epidemiologic Evidence of Radiofrequency Radiation (Microwave) Effects on Health in Military, Broadcasting, and Occupational Studies. *Int J Occup Environ Health* (1995); 1(1):47-57.
- Goldsmith JR. Epidemiologic evidence relevant to radar (microwave) effects. *Environ Health Perspect* (1997); 105(Suppl 6):1579-1587.

- Grigor'ev I. [Role of modulation in biological effects of electromagnetic radiation]. *Radiationnaia biologii, radioecologii* (1996); 36(5):659-670.
- Gye MC, Park CJ. Effect of electromagnetic field exposure on the reproductive system. *Clin Exp Reprod Med* (2012); 39(1):1-9.
- Hardell L. World Health Organization, radiofrequency radiation and health - a hard nut to crack (Review). *Int J Oncol* (2017); 51(2):405-413.
- Hardell L, Carlberg M. Using the Hill viewpoints from 1965 for evaluating strengths of evidence of the risk for brain tumors associated with use of mobile and cordless phones. *Rev Environ Health* (2013); 28(2-3):97-106.
- Hardell L, Carlberg M, Hansson Mild K. Use of mobile phones and cordless phones is associated with increased risk for glioma and acoustic neuroma. *Pathophysiology* (2013); 20(2):85-110.
- Hardell L, Carlberg M, Soderqvist F, Hansson Mild K. Meta-analysis of long-term mobile phone use and the association with brain tumours. *Int J Oncol* (2008); 32(5):1097-1103.
- Hardell L, Sage C. Biological effects from electromagnetic field exposure and public exposure standards. *Biomed Pharmacother* (2008); 62(2):104-109.
- Hazout A, Menezo Y, Madelenat P, Yazbeck C, Selva J, Cohen-Bacrie P. [Causes and clinical implications of sperm DNA damages]. *Gynecol Obstet Fertil* (2008); 36(11):1109-1117.
- Hecht K. Health Implications of Long-term Exposure to Electromog (English edition). *A Brochure Series of the Competence Initiative for the Protection of Humanity, the Environment and Democracy* (2016); Brochure 61-64.
- Hensiger P, Wilke I. Mobilfunk: Neue Studienergebnisse bestätigen Risiken der nicht-ionisierenden Strahlung. *Umwelt Medizin Gessellschaft* (2016); 15-25.
- Houston BJ, Nixon B, King BV, De Iuliis GN, Aitken RJ. The effects of radiofrequency electromagnetic radiation on sperm function. *Reproduction* (2016); 152(6):R263-R276.
- Kang N, Shang XJ, Huang YF. [Impact of cell phone radiation on male reproduction]. *Zhonghua Nan Ke Xue* (2010); 16(11):1027-1030.
- Khurana VG, Hardell L, Everaert J, Bortkiewicz A, Carlberg M, Ahonen M. Epidemiological evidence for a health risk from mobile phone base stations. *Int J Occup Environ Health* (2010); 16(3):263-267.
- Khurana VG, Teo C, Kundi M, Hardell L, Carlberg M. Cell phones and brain tumors: a review including the long-term epidemiologic data. *Surg Neurol* (2009); 72(3):205-14; discussion 214.
- Kundi M. Mobile phone use and cancer. *Occup Environ Med* (2004); 61(6):560-70, 487.
- Kundi M, Mild K, Hardell L, Mattsson MO. Mobile telephones and cancer--a review of epidemiological evidence. *J Toxicol Environ Health B Crit Rev* (2004); 7(5):351-384.
- La Vignera S, Condorelli RA, Vicari E, D'Agata R, Calogero AE. Effects of the exposure to mobile phones on male reproduction: a review of the literature. *J Androl* (2012); 33(3):350-356.
- Lai H. Neurological effects of radiofrequency electromagnetic radiation. In: Lin JC, ed. *Advances in Electromagnetic Fields in Living Systems*, vol. 1. Boston, MA: Springer, 1994: 27-80.
- Lai H. Neurological effects of radiofrequency electromagnetic radiation. ed. 1998: 1-13.
- Lai H. A Summary of Recent Literature (2007–2017) on Neurobiological Effects of Radio Frequency Radiation. In: Markov M, ed. *Mobile Communications and Public Health*, Chapter 8. Boca Raton: CRC Press, Taylor and Francis Group, 2019: 187-222.

- Ledoigt G, Belpomme D. Cancer induction molecular pathways and HF-EMF irradiation. *Adv Biol Chem* (2013); 3177-186.
- Levitt B, Lai H. Biological effects from exposure to electromagnetic radiation emitted by cell tower base stations and other antenna arrays. *Environ Rev* (2010); 18369-395.
- Li DK, Chen H, Ferber JR, Odouli R, Quesenberry C. Exposure to Magnetic Field Non-Ionizing Radiation and the Risk of Miscarriage: A Prospective Cohort Study. *Sci Rep* (2017); 7(1):17541.
- Liu K, Li Y, Zhang G et al. Association between mobile phone use and semen quality: a systemic review and meta-analysis. *Andrology* (2014); 2(4):491-501.
- Mahdavi M, Yekta R, Tackallou SH. Positive correlation between ELF and RF electromagnetic field on cancer risk. *J Paramed Sci* (2015); 6(3):110-116.
- Makker K, Varghese A, Desai NR, Mouradi R, Agarwal A. Cell phones: modern man's nemesis. *Reprod Biomed Online* (2009); 18(1):148-157.
- Marha K. Biological Effects of High-Frequency Electromagnetic Fields (Translation). *ATD Report 66-92 [ATD Work Assignment No 78, Task 11]* (1966);
- Marino AA, Morris DM. Chronic electromagnetic stressors in the environment: A risk factor in human cancer. *J Environ Sci & Health Part C* (1985); 3(2):189-219.
- Markov MS. Pulsed electromagnetic field therapy history, state of the art and future. *Environmentalist* (2007); 27(4):465-475.
- Morgan LL, Miller AB, Sasco A, Davis DL. Mobile phone radiation causes brain tumors and should be classified as a probable human carcinogen (2A) (review). *Int J Oncol* (2015); 46(5):1865-1871.
- Murray CJL. Population and fertility by age and sex for 195 countries and territories, 1950–2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet* (2018); 392:1995-2051.
- Nageswari KS. Mobile Phone Radiation: Physiological & Pathophysiological Considerations. *Indian J Physiol Pharmacol* (2015); 59(2):125-135.
- Naziroğlu M, Yüksel M, Köse SA, Özkaya MO. Recent reports of Wi-Fi and mobile phone-induced radiation on oxidative stress and reproductive signaling pathways in females and males. *J Membr Biol* (2013); 246(12):869-875.
- Osipov Y. [Labor hygiene and the effect of radiofrequency electromagnetic fields on workers]. (1965); 220 pp.
- Pall ML. Electromagnetic fields act via activation of voltage-gated calcium channels to produce beneficial or adverse effects. *J Cell Mol Med* (2013);
- Pall ML. Electromagnetic field activation of voltage-gated calcium channels: role in therapeutic effects. *Electromagn Biol Med* (2014); 33(4):251.
- Pall ML. How to approach the challenge of minimizing non-thermal health effects of microwave radiation from electrical devices. *Int J Innovative Research Engineering Management (IJIREM) ISSN* (2015a); 23500557.
- Pall ML. Scientific evidence contradicts findings and assumptions of Canadian Safety Panel 6: microwaves act through voltage-gated calcium channel activation to induce biological impacts at non-thermal levels, supporting a paradigm shift for microwave/lower frequency electromagnetic field action. *Rev Environ Health* (2015b); 30(2):99-116.
- Pall ML. Microwave frequency electromagnetic fields (EMFs) produce widespread neuropsychiatric effects including depression. *J Chem Neuroanat* (2015c);

- Pall ML. Electromagnetic fields act similarly in plants as in animals: Probable activation of calcium channels via their voltage sensor. *Current Chemical Biology* (2016); 10(1):74-82.
- Pall ML. How cancer can be caused by microwave frequency electromagnetic field (EMF) exposures: EMF activation of voltage-gated calcium channels (VGCCs) can cause cancer including tumor promotion, tissue invasion and metastasis via 15 mechanisms. In: Markov M, ed. *Mobile Communications and Public Health*. Boca Raton, London, New York: CRC Press, Taylor & Francis Group, 2018a: 163-184.
- Pall ML. Wi-Fi is an important threat to human health. *Environ Res* (2018b); 164405-416.
- Panagopoulos DJ, Johansson O, Carlo GL. Real versus Simulated Mobile Phone Exposures in Experimental Studies. *Biomed Res Int* (2015); 2015607053.
- Phillips JL, Singh NP, Lai H. Electromagnetic fields and DNA damage. *Pathophysiology* (2009); 16(2-3):79-88.
- Politański P, Bortkiewicz A, Zmysłony M. [Effects of radio- and microwaves emitted by wireless communication devices on the functions of the nervous system selected elements]. *Med Pr* (2016); 67(3):411-421.
- Pollack H, Healer J. Review of Information on Hazards to Personnel from High-Frequency Electromagnetic Radiation. *IDA/HQ 67-6211, Series B* (1967); 1-15.
- Prasad M, Kathuria P, Nair P, Kumar A, Prasad K. Mobile phone use and risk of brain tumours: a systematic review of association between study quality, source of funding, and research outcomes. *Neurol Sci* (2017); 38(5):797-810.
- Raines JK. Electromagnetic field interactions with the human body: observed effects and theories. *National Aeronautics and Space Administration* (1981);
- Ruediger HW. Genotoxic effects of radiofrequency electromagnetic fields. *Pathophysiology* (2009); 16(2-3):89-102.
- Sangün Ö, Dündar B, Çömlekçi S, Büyükgebiz A. The Effects of Electromagnetic Field on the Endocrine System in Children and Adolescents. *Pediatr Endocrinol Rev* (2015); 13(2):531-545.
- Tolgskaya MS, Gordon ZV. *Pathological Effects of Radio Waves*, Translated from Russian by Haigh. (1973); 1=146.
- Van Boxem K, Huntoon M, Van Zundert J, Patijn J, van Kleef M, Joosten EA. Pulsed radiofrequency: a review of the basic science as applied to the pathophysiology of radicular pain: a call for clinical translation. *Reg Anesth Pain Med* (2014); 39(2):149-159.
- Walleczek J. Electromagnetic field effects on cells of the immune system: the role of calcium signaling. *FASEB J* (1992); 6(13):3177-3185.
- Wang H, Zhang X. Magnetic Fields and Reactive Oxygen Species. *Int J Mol Sci* (2017); 18(10)
- Wilke I. Biological and pathological effects of 2.4 GHz radiation on cells, fertility, brain, and behavior. *Umwelt Medizin Gessellschaft* (2018);
- Yakymenko I, Sidorik E. Risks of carcinogenesis from electromagnetic radiation of mobile telephony devices. *Exp Oncol* (2010); 32(2):54-60.
- Yakymenko I, Sidorik E, Kyrylenko S, Chekhun V. Long-term exposure to microwave radiation provokes cancer growth: evidences from radars and mobile communication systems. *Exp Oncol* (2011a); 33(2):62-70.
- Yakymenko I, Sidorik E, Tsybulin A. [Metabolic changes in cells under electromagnetic radiation of mobile communication systems]. *Ukr Biokhim Zh* (1999) (2011b); 83(2):20-28.
- Zhang J, Sumich A, Wang GY. Acute effects of radiofrequency electromagnetic field emitted by mobile phone on brain function. *Bioelectromagnetics* (2017); 38(5):329-338.