

List of References Reporting Fertility and/or Reproduction Effects from Electromagnetic Fields and/or Radiofrequency Radiation (66 references)

Agarwal A, Deepinder F, Sharma RK, Ranga G, Li J (2008) Effect of cell phone usage on semen analysis in men attending infertility clinic: an observational study. *Fertility and Sterility* **89(1)**:124-8.

(Agarwal A, Desai NR, Makker K, Varghese A, Mouradi R, Sabanegh E, Sharma R)
Agarwal A, Desai NR, Makker K, et al. (2009) Effects of radiofrequency electromagnetic waves (RF-EMW) from cellular phones on human ejaculated semen: an in vitro pilot study. *Fertility and Sterility* **92(4)**:1318-25.

Agarwal A, Desai NR, Ruffoli R, Carpi A. (2008) Lifestyle and testicular dysfunction: a brief update. *Biomed Pharmacother.* **62(8)**:550-3.

Agarwal A, Singh A, Hamada A, Kesari K (2011) Cell phones and male infertility: a review of recent innovations in technology and consequences. *Brazilian Journal of Urology* **37(4)**:432-54.

Aitken RJ, Bennetts LE, Sawyer D, Wiklendt AM, King BV (2005) Impact of radio frequency electromagnetic radiation on DNA integrity in the male germline. *International Journal of Andrology* **28(3)**:179-179.

Avendaño C, Mata A, Sanchez Sarmiento CA, Doncel GF (2012) Use of laptop computers connected to internet through Wi-Fi decreases human sperm motility and increases sperm DNA fragmentation. *Fertility and Sterility* [Epub ahead of print]

Awad H, Halawa F, Mostafa T, Atta H (2006) Melatonin hormone profile in infertile males. *International Journal of Andrology* **29(3)**:409-13.

Balmori A (2009) Electromagnetic pollution from phone masts. Effects on wildlife. *Pathophysiology* **16(2-3)**:191-9.

Baste V, Riise T, Moen BE (2008) Radiofrequency electromagnetic fields; male infertility and sex ratio of offspring. *European Journal of Epidemiology* **23(5)**:369-77.

Behari J, Kesari KK (2006) Effects of microwave radiations on reproductive system of male rats. *Embryo Talk* **1 (Suppl.1)**:81-5.

Belyaev IY, Grigoriev YG (2007) Problems in assessment of risks from exposures to microwaves of mobile communication. *Radiatsionnaia biologiiia, radioecologiiia / Rossiiskaia akademiia nauk* **47(6)**:727-32.

Blank M, Goodman R (2011) DNA is a fractal antenna in electromagnetic fields. *International Journal of Radiation Biology* **87(4)**:409-15.

Davoudi M, Brossner C, Kuber W (2002) Der Einfluelektromagnetischer Wellen auf die Spermienmotilit. *Journal Für Urologie Und Urogynäkologie* **9(3)**:18-22.

Deepinder F, Makker K, Agarwal A (2007) Cell phones and male infertility: dissecting the relationship. *Reproductive Biomedicine Online* **15(3)**:266-70.

De Iuliis GN, Newey RJ, King BV, Aitken RJ (2009) Mobile phone radiation induces reactive oxygen species production and DNA damage in human spermatozoa in vitro. *PLoS One* **4(7)**:e6446.

Desai NR, Kesari KK, Agarwal A (2009) Pathophysiology of cell phone radiation: oxidative stress and carcinogenesis with focus on male reproductive system. *Reproductive Biology and Endocrinology* **7**:114.

(Erogul O, Oztas E, Yildirim I, Kir T, Aydur E, Komesli G, Irkilata HC, Irmak MK, Peker AF) Erogul O, Oztas E, Yildirim I, et al. (2006) Effects of electromagnetic radiation from a cellular phone on human sperm motility: an in vitro study. *Archives of Medical Research* **37(7)**:840-3.

Falzone N, Huyser C, Franken DR, Leszczynski D (2010) Mobile phone radiation does not induce pro-apoptosis effects in human spermatozoa. *Radiation Research* **174(2)**:169-76.

Falzone N, Huyser C, Becker P, Leszczynski D, Franken DR (2010) The effect of pulsed 900-MHz GSM mobile phone radiation on the acrosome reaction, head morphometry and zona binding of human spermatozoa. *International Journal of Andrology* **33**:1-7.

ALSO [from PubMed]

Falzone N, Huyser C, Becker P, Leszczynski D, Franken DR (2011) The effect of pulsed 900-MHz GSM mobile phone radiation on the acrosome reaction, head morphometry and zona binding of human spermatozoa. *International Journal of Andrology* **34(1)**:20-6.

Fejes I, Závaczki Z, Szöllosi J, Koloszar S, Kovacs L, Pál A (2004) Relationship between regular cell phone use and human semen quality. Abstracts of the 20th Annual Meeting of the ESHRE, Berlin, Germany, 27–30 June 2004.

Also [From Pubmed]

(Fejes I, Závaczki Z, Szöllosi J, Koloszar S, Daru J, Kovacs L, Pál A)
Fejes I, Závaczki Z, Szöllosi J, et al. (2005) Is there a relationship between cell phone use and semen quality? *Archives of Andrology* **51(5)**:385-93.

(Fragopoulou A, Grigoriev Y, Johansson O, Margaritis LH, Morgan L, Richter E, Sage C)
Fragopoulou A, Grigoriev Y, Johansson O, et al. (2010) Scientific Panel on Electromagnetic Field Health Risks: Consensus points, recommendations, and rationales. *Reviews on Environmental Health* **25(4)**:307-17.

Girgert R, Gründker C, Emons G, Hanf V (2008) Electromagnetic fields alter the expression of estrogen receptor cofactors in breast cancer cells. *Bioelectromagnetics* **29(3)**:169-76.

(Grigoriev YG, Grigoriev OA, Ivanov AA, Lyaginskaya AM, Merkulov AV, Shagina NB, Maltsev VN, Lévêque P, Ulanova AM, Osipov VA, Shafirkin AV.)
Grigoriev YG, Grigoriev OA, Ivanov AA, et al. (2010) Confirmation studies of Soviet research on immunological effects of microwaves: Russian immunology results. *Bioelectromagnetics* **31(8)**:589-602.

Gul A, Celebi H, Uğraş S (2009) The effects of microwave emitted by cellular phones on ovarian follicles in rats. *Archives of Gynecology and Obstetrics* **280(5)**:729-33.

Gutschi T, Mohamad Al-Ali B, Shamloul R, Pummer K, Trummer H (2011) Impact of cell phone use on men's semen parameters. *Andrologia* **43(5)**:312-6.

Hardell L, Carlberg M, Ohlson CG, Westberg H, Eriksson M, Hansson Mild K (2007) Use of cellular and cordless telephones and risk of testicular cancer. *International Journal of Andrology* **30(2)**:115-22.

Irgens A, Kruger K, Ulstein M. (1999) The effect of male occupational exposure in infertile couples in Norway. *Journal of Occupational and Environmental Medicine* **41(12)**:1116-1120.

Kesari KK, Kumar S, Behari J (2011) Effects of radiofrequency electromagnetic wave exposure from cellular phones on the reproductive pattern in male Wistar rats. *Applied Biochemistry and Biotechnology* **164**(4):546-59.

Kilgallon SJ, Simmons LW (2005) Image content influences men's semen quality. *Biology Letters* **1**(3):253-5.

(Kim YW, Kim HS, Lee JS, Kim YJ, Lee SK, Seo JN, Jung KC, Kim N, Gimm YM.)

Kim YW, Kim HS, Lee JS, et al. (2009) Effects of 60 Hz 14 microT magnetic field on the apoptosis of testicular germ cell in mice. *Bioelectromagnetics* **30**(1):66-72.

Koldayev VM, Shchepin YV. (1997) Effects of electromagnetic radiation on embryos of sea-urchins. *Bioelectrochemistry and Bioenergetics* **43**:161-164.

Kubinyi G, Thuroczy G, Bakos J, Boloni E, Sinay H, Szabo LD. (1996) Effect of continuous-wave and amplitude-modulated 2.45 GHz microwave radiation on the liver and brain aminoacyl-transfer RNA synthetases of in utero exposed mice. *Bioelectromagnetics* **17**(6):497-503.

Khurana VG, Teo C, Bittar RG. (2009) Health risks of cell phone technology. *Surgical Neurology* **72**(4):436-7; author reply 437.

Larsen AI, Olsen J, Svane O. (1991) Gender-specific reproductive outcome and exposure to high-frequency electromagnetic radiation among physiotherapists. *Scandinavian Journal of Work and Environmental Health* **17**(5):324-329.

La Vignera S, Condorelli RA, Vicari E, D'Agata R, Calogero AE (2011) Effects of the exposure to mobile phones on male reproduction: a review of the literature. *Journal of Andrology* **Jul 28**. [Epub ahead of print]

Lee GM, Neutra RR, Hristova L, Yost M, Hiatt RA (2002) A nested case-control study of residential and personal magnetic field measures and miscarriages. *Epidemiology* **13**(1):21-31. Erratum in *Epidemiology* 2003 **4**(2):255.

Comment in

- *Epidemiology*. 2002 Jan;13(1):1-4.
- *Epidemiology*. 2002 Mar;13(2):237-8.
- *Epidemiology*. 2002 May;13(3):372.

Lee JW, Kim KS, Lee SM, Eom SJ, Troitsky RV (2002) A novel design of thermal anomaly for mammary gland tumor phantom for microwave radiometer. *IEEE Transactions on Bio-medical Engineering* **49**(7):694-9.

Li DK, Yan B, Li Z, Gao E, Miao M, Gong D, Weng X, Ferber JR, Yuan W (2010) Exposure to magnetic fields and the risk of poor sperm quality. *Reproductive Toxicology* **29**(1):86-92.

Magras IN, Xenos TD (1997) RF radiation-induced changes in the prenatal development of mice. *Bioelectromagnetics* **18**(6):455-61.

Mailankot M, Kunnath AP, Jayalekshmi H, Koduru B, Valsalan R. (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)*. **64**(6):561-5.

Makker K, Varghese A, Desai NR, Mouradi R, Agarwal A (2009) Cell phones: modern man's nemesis? *Reproductive Biomedicine Online* **18**(1):148-57.

Moskowitz JM (2011) Research on the effects of cell phone radiation on human sperm. CEAC. Available at: http://www.ci.berkeley.ca.us/uploadedFiles/Planning_and_Development/Level_3_-

Nakamura H, Nagase H, Ogino K, Hatta K, Matsuzaki I. (2000) Uteroplacental circulatory disturbance mediated by prostaglandin F(2alpha) in rats exposed to microwaves. *Reproductive Toxicology* **14(3)**:235-240.

Otitoloju AA, Obe IA, Adewale OA, Otubanjo OA, Osunkalu VO (2010) 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. *Bulletin of Environmental Contamination and Toxicology* **84(1)**:51-4.

Panagopoulos DJ, Karabarbounis A, Margaritis LH (2004) Effect of GSM 900-MHz mobile phone radiation on the reproductive capacity of *Drosophila melanogaster* *Electromagnetic Biology and Medicine* **23**:29-43

Panagopoulos DJ, Margaritis LH (2008) Mobile telephony radiation effects on living organisms. In: Harper AC, Bures RV, eds. *Mobile Telephones*. Nova Science Publishers, Inc: 107-49.

Peyman A, Khalid M, Calderon C, Addison D, Mee T, Maslanyj M, Mann S. (2011) Assessment of exposure to electromagnetic fields from wireless computer networks (wi-fi) in schools; results of laboratory measurements. *Health Physics*. **100(6)**:594-612.

Pyrpasopoulou A, Kotoula V, Cheva A, Hytioglou P, Nikolakaki E, Magras IN, Xenos TD, Tsiboukis TD, Karkavelas G. (2004) Bone morphogenetic protein expression in newborn rat kidneys after prenatal exposure to radiofrequency radiation. *Bioelectromagnetics* **25(3)**:216-227.

Redmayne M, Smith E, Abramson MJ (2011) Adolescent in-school cellphone habits: a census of rules, survey of their effectiveness, and fertility implications. *Reproductive Toxicology* **32**:354-9.

Sage C, Johansson O, Sage SA (2007) Personal digital assistant (PDA) cell phone units produce elevated extremely-low frequency electromagnetic field emissions. *Bioelectromagnetics* **28(5)**:386-92.

Salama N, Kishimoto T, Kanayama HO (2010) Effects of exposure to a mobile phone on testicular function and structure in adult rabbit. *International Journal of Andrology* **33(1)**:88-94. Comment in: *International Journal of Andrology* **33(1)**:95; author reply 96-7.

Sheynkin Y, Jung M, Yoo P, Schulsinger D, Komaroff E (2005) Increase in scrotal temperature in laptop computer users. *Human Reproduction* **20(2)**:452-5.

Sommer AM, Grote K, Reinhardt T, Streckert J, Hansen V, Lerchl A (2009) Effects of radiofrequency electromagnetic fields (UMTS) on reproduction and development of mice: a multi-generation study. *Radiation Research* **171(1)**:89-95.

Stefanis P, Drakeley A, Gazvani R, Lewis-Jones Di (2006) Growing concern over the safety of using mobile phones and male fertility. *Archives of Andrology* **52(1)**:9-14

Tuan Anh Vu; Uyen Dinh Nguyen. (2010) Evaluation of human testis absorption in the near field of cellular phone. *Communications and Electronics (ICCE)*, Third International Conference on

Vu TA, Nguyen UD (2010) Evaluation of human testis absorption in the near field of cellular phone. *IEEE. conference paper*. DOI:10.1109/ICCE.2010.5670642

Wdowiak A, Wdowiak L, Wiktor H (2007) Evaluation of the effect of using mobile phones on male fertility. *Annals of Agricultural and Environmental Medicine: AAEM* **14(1)**:169-72.

Weisbrot D, Lin H, Ye L, Blank M, Goodman R. (2003) Effects of mobile phone radiation on reproduction and development in *Drosophila melanogaster*. *Journal of Cell Biochemistry* **89(1)**:48-55.

Weyandt, TB, Schrader, SM, Turner, TW, Simon, SD. (1996) Semen analysis of military personnel associated with military duty assignments. *Reproductive Toxicology* **10(6)**:521-528.

Yan JG, Agresti M, Bruce T, Yan YH, Granlund A, Matloub HS (2007) Effects of cellular phone emissions on sperm motility in rats. *Fertility and Sterility* **88(4)**:957-64.

Yoshida Y, Seto T, Ohsu W, Hayashi S, Okazawa T, Nagase H, Yoshida M, Nakamura H (1995) [Endocrine mechanism of placental circulatory disturbances induced by microwave in pregnant rats]. *Nippon Sanka Fujinka Gakkai Zasshi* **47(2)**:101-108. [Article in Japanese]

Youbicier-Simo, BJ, Lebecq, JC, Bastide, M. (1998) Mortality of chicken embryos exposed to EMFs from mobile phones. Presented at the Twentieth Annual Meeting of the Bioelectromagnetics Society, St. Pete Beach, FL, June 1998.

Formatted for Journal of Pathophysiology (Harvard Style)

Note: For seven or more, the names and initials of the first three should be given, followed by et al. I put all names here for future work and then repeated the first three et al. for this journal.