

**Bibliography of Studies on Electric and Magnetic Fields and the Risk of Neurodegenerative Diseases**Latest Update: January 31<sup>st</sup>, 2012

1

Andel, R., Crowe, M., Feychting, M., Pedersen, N. L., Fratiglioni, L., Johansson, B. et Gatz, M. 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* **65**(11): 1220-1227.

Bortkiewicz , A., Gadzicka E., Zmyslony M. et Szymczak, W. 2006. Neurovegetative disturbances in workers exposed to 50 Hz electromagnetic fields. *Int J Occup Med Environ Health* **19**, 53-60.

Davanipour, Z., Sobel, E., Bowman, J. D., Qian, Z. et Will, A. D. 1997. Amyotrophic lateral sclerosis and occupational exposure to electromagnetic fields. *Bioelectromagnetics* **18**, 28-35.

Davanipour, Z., Tseng, C. C., Lee, P. J. et Sobel, E. 2007. A case-control study of occupational magnetic field exposure and Alzheimer's Disease Diagnosis and Treatment Centers. *BCM Neurol* **7**, 1-10.

Deapen, D. M. et Henderson, B. E. 1986. A case-control study of amyotrophic lateral sclerosis. *Am J Epidemiol* **123**, 790-799.

Dragicevic, N., Bradshaw, P. C., Mamcarz, M., Lin, X., Wang, L., Cao, C., and Arendash, G. W. (2011) Long-term electromagnetic field treatment enhances brain mitochondrial function of both Alzheimer's transgenic mice and normal mice: a mechanism for electromagnetic field-induced cognitive benefit? *Neuroscience* **185**, 135-149.

Feychting, M., Jonsson, F., Pedersen, N. L. et Ahlbom, A. 2003. Occupational magnetic field exposure and neurodegenerative disease. *Epidemiology* **14**, 413-419.

Feychting, M., Pedersen, N. L., Svedberg, P., Floderus, B. et Gatz, M. 1998. Dementia and occupational exposure to magnetic fields. *Scand J Work Environ Health* **24**, 46-53.

Graves, A. B., Rosner, D., Echeverria, D., Yost, M. et Larson, E. B. 1999. Occupational exposure to electromagnetic fields and Alzheimer disease. *Alzheimer Dis Assoc Disord* **13**, 165-170.

Gunnarsson, L. G., Bodin, L., Söderfeldt, B. et Axelson, O. 1992. A case-control study of motor neurone disease: its relation to heritability, and occupational exposures, particularly to solvents. *Br J Ind Med* **49**, 791-798.

Gunnarsson, L.-G., Lindberg, G., Söderfeldt, B. et Axelson, O. 1991. Amyotrophic lateral sclerosis in Sweden in relation to occupation. *Acta Neurol Scand* **83**, 394-398.

Hakansson, N., Gustavsson, P., Johansen, C. et Floderus, B. 2003. Neurodegenerative diseases in welders and other workers exposed to high levels of magnetic fields. *Epidemiology* **14**, 420-426.

**Bibliography of Studies on Electric and Magnetic Fields and the Risk of Neurodegenerative Diseases**Latest Update: January 31<sup>st</sup>, 2012

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Harmanci, H., Emre, M., Gurvit, H., Bilgic, B., Hanagasi, H., Gurol, E., Sahin, H. et Tinaz, S. 2003. Risk factors for Alzheimer disease: a population-based case-control study in Istanbul, Turkey. *Alzheimer Dis Assoc Disord* **17**, 139-145.

Huss, A., Spoerri, A., Egger, M. et Roosli, M. 2009. Residence near power lines and mortality from neurodegenerative diseases: longitudinal study of the Swiss population. *Am J Epidemiol* **169**, 167-175.

Johansen, C., Koch-Henriksen, N., Rasmussen, S. et Olsen, J. H. 1999. Multiple sclerosis among utility workers. *Neurology* **52**, 1279-1282.

Johansen, C. et Olsen, J. H. 1998. Mortality from amyotrophic lateral sclerosis, other chronic disorders, and electric shocks among utility workers. *Am J Epidemiol* **148**, 362-368.

Johansen, C. 2000. Exposure to electromagnetic fields and risk of central nervous system disease in utility workers. *Epidemiology* **11**, 539-543.

Knave, B., Gamberale, F., Bergstrom, S., Birke, E., Iregren, A., Kolmodin-Hedman, B. et Wennberg, A. 1979. Long-term exposure to electric fields. A cross-sectional epidemiologic investigation of occupationally exposed workers in high-voltage substations. *Scand J Work Environ Health* **5**, 115-125.

Maes, A., and Verschaeve, L. (2011) Can cytogenetics explain the possible association between exposure to extreme low-frequency magnetic fields and Alzheimer's disease? *J Appl Toxicol* **32**, 81-87.

Marcilio, I., Gouveia, N., Pereira Filho, M. L., and Kheifets, L. (2011) Adult mortality from leukemia, brain cancer, amyotrophic lateral sclerosis and magnetic fields from power lines: a case-control study in Brazil. *Rev Bras Epidemiol* **14**, 580-588.

Noonan, C. W., Reif, J. S., Yost, M. et Touchstone, J. 2002. Occupational exposure to magnetic fields in case-referent studies of neurodegenerative diseases. *Scand J Work Environ Health* **28**, 42-48.

Park, R. M., Schulte, P. A., Bowman, J. D., Walker, J. T., Bondy, S. C., Yost, M. G., Touchstone, J. A. et Dosemeci, M. 2005. Potential occupational risks for neurodegenerative diseases. *Am J Ind Med* **48**, 63-77.

Parlett, L. E., Bowman, J. D., and van Wijngaarden, E. (2011) Evaluation of occupational exposure to magnetic fields and motor neuron disease mortality in a population-based cohort. *J Occup Environ Med* **53**, 1447-1451.

Qiu, C., Fratiglioni, L., Karp, A., Winbald, B. et Bellander, T. 2004. Occupational exposure to electromagnetic fields and risk of Alzheimer's disease. *Epidemiology* **15**, 687-694.

## Bibliography of Studies on Electric and Magnetic Fields and the Risk of Neurodegenerative Diseases

Latest Update: January 31<sup>st</sup>, 2012

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Savitz, D. A., Checkoway, H. et Loomis, D. P. 1998. Magnetic field exposure and neurodegenerative disease mortality among electric utility workers. *Epidemiology* **9**, 398-404.

Savitz, D. A., Loomis, D.P. et Tse, C.-K. J. 1998. Electrical occupations and neurodegenerative disease : analysis of U.S. mortality data. *Arch Environ Health* **53**, 71-74.

Schulte, P. A., Burnett, C. A., Boeniger, M. F. et Johnson, J. 1996. Neurodegenerative diseases: occupational occurrence and potential risk factors, 1982 through 1991. *Am J Public Health* **86**, 1281-1288.

Seidler, A., Geller, P., Niehaus A., Bernhardt, T., Ruppe, I., Eggert, S., Hietanen, M., Kauppinen, T. et Frolich, L. 2007. Occupational exposure to low frequency magnetic fields and dementia: a case-control study. *Occup Environ Med* **64**, 108-114.

Sobel, E., Davanipour, Z., Sulkava, R., Erkinjuntti, T., Wikstrom, J., Henderson, V. W., Buckwalter, G., Bowman, J. D. et Lee, P.-J. 1995. Occupations with exposure to electromagnetic fields: a possible risk factor for Alzheimer's disease. *Am J Epidemiol* **142**, 515-524.

Sobel, E., Dunn, M., Davanipour, Z., Qian, Z. et Chui, H. C. 1996. Elevated risk of Alzheimer's disease among workers with likely electromagnetic field exposure. *Neurology* **47**, 1477-1481.

Sorahan, T., and Kheifets, L. 2007. Mortality from Alzheimer's, motor neurone and Parkinson's disease in relation to magnetic field exposure: findings from the study of UK electricity generation and transmission workers, 1973-2004. *Occup Environ Med* **64**, 820-826.