

Principales publications du programme de recherche d'Hydro-Québec sur les effets des champs électriques et magnétiques sur la santé 1988 – 2020

Source : Direction Principale – Santé, Sécurité et Environnement d'Hydro-Québec

Étude épidémiologique conjointe Hydro-Québec, Ontario Hydro et Électricité de France sur les effets à long terme des champs électriques et magnétiques de 50/60 Hz

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Étude de longue durée chez l'animal sur le potentiel cancérigène des champs magnétiques de 60 Hz

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Études in vitro sur l'effet des champs magnétiques et électriques sur la guérison des plaies

Dube J, Rochette-Drouin O, Levesque P, Gauvin R, Roberge CJ, Auger FA, Goulet D, Bourdages M, Plante M, Moulin VJ, Germain L. Human keratinocytes respond to direct current stimulation by increasing intracellular calcium: Preferential response of poorly differentiated cells. *J Cell Physiol* 2012; 227 (6): 2660-2667

Étude de perception des champs électriques et des ions atmosphériques chez des volontaires humains

Chapman CE, Blondin JP, Lapierre AM, Nguyen DH, Forget R, Plante M, Goulet D. Perception of local DC and AC electric fields in humans. *Bioelectromagnetics* 2005; 26 (5): 357-366

Blondin JP, Nguyen DH, Sbeghen J, Goulet D, Cardinal C, Maruvada PS, Plante M, Bailey WH. Human perception of electric fields and ion currents associated with high-voltage DC transmission lines. *Bioelectromagnetics* 1996; 17 (3): 230-241

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Étude des effets des champs magnétiques de forte intensité sur les fonctions neurophysiologiques de volontaires humains

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Bouisset N., Villard S., Legros A. (2020). Human Postural Responses to High Vestibular Specific Extremely Low-Frequency Magnetic Stimulations. *IEEE Access (IEEE)*, DOI: <https://doi.org/10.1109/access.2020.3022554>

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Souques M., Plante M., Ostiguy G., Goulet D., Deschamps F., Mezei G., Modolo J., Lambrozo J., Legros A. Anecdotal Report of Magnetophosphene Perception in Magnetic Fields of 50 mT at Frequencies of 20, 50 and 60 Hz / Rapport anecdotique de la perception des magnétophosphènes dans un champ magnétique de 50 mT à 20, 50 et 60 Hz. *Radioprotection*, 2014, 49 (1):69-71.

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Études des interférences potentielles des compteurs radiofréquences sur les implants cardiaques

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