## Extremely Low-Frequency Magnetic Field; An Invisible Risk Association between High Power Transmission Lines and Childhood Leukemia and Adult Brain Cancer: Literature Review

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**Abstract :** This study focuses on the epidemiological association between childhood leukaemia & adult brain cancer to offer strong evidence that extremely low-frequency magnetic field (ELF-MF) produced from power lines caused cancer. It also gives a comprehensive literature review on epidemiological studies of ELF-MF risk associated with HVTL and childhood leukaemia & adult brain cancer. From the literature review, it is concluded that there is a weak association present between ELF-MF and childhood leukaemia. No consistent association was present between brain cancer and ELF-MF. This study is done on Scielo data and PubMed using the terms extremely low-frequency magnetic field (ELF-MF+cancer), adult brain cancer, high power transmission lines, etc., for the past 10 years.

Keywords : childhood leukaemia, high voltage transmission lines, acute lymphoblastic leukaemia, power lines

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1