

**(13/5/20) Une nouvelle étude scientifique** menée à New Haven dans le Connecticut et publiée en mars 2020 dans Elsevier Environmental Research, montre que des personnes prédisposées génétiquement au cancer de la thyroïde augmentent leur risque en utilisant la téléphonie mobile. <https://www.sciencedirect.com/science/article/abs/pii/S0013935119308102>

**Highlights** The interaction between cell phone use and genetic variants on thyroid cancer was investigated in this study. When some genetic variants were present, cell phone use was significantly associated with thyroid cancer.

The association increased when cell phone use duration and frequency increased.

Genetic susceptibility may modify the association between cell phone use and thyroid cancer.

#### Abstract

Emerging studies have provided evidence on the carcinogenicity of radiofrequency radiation (RFR) from cell phones. This study aims to test the genetic susceptibility on the association between cell phone use and thyroid cancer. Population-based case-control study was conducted in Connecticut between 2010 and 2011 including 440 thyroid cancer cases and 465 population-based controls with genotyping information for 823 single nucleotide polymorphisms (SNPs) in 176 DNA genes. We used multivariate unconditional logistic regression models to estimate the genotype-environment interaction between each SNP and cell phone use and to estimate the association with cell phone use in populations according to SNP variants. Ten SNPs had P