

Thursday February 16, 2023

i

## Proven again: the mobile phone of the radiation has being negative biological effects in human

The evidence is becoming more and more obvious and frequent: radiation from mobile phones, and in particular with 5G technology, is far from harmless for humans and the limits in force are not sufficient to protect health.

For example, the January 10, 2023, a case study
Swedish1) was published in the "Annals of Case Reports",

a magazine



international scientist evaluated by experts, who demonstrated that 5G radiation caused typical symptoms of either-

memory problems and skin disorders.

so-called microwave syndrome The couple studied in the case study, a 63-year-old man and a 62-year-old woman, experienced, a few days after the commissioning of a 5G base station on the roof above above the home, health problems such as permanent fatigue, sleep disturbances, dizziness, emotional effects such as

All symptoms disappeared within 24 hours for the man or 1 to 3 days for the woman after the couple moved to another less irradiated accommodation.

irritability and depression, nosebleeds, tinnitus, heart symptoms,

The case study also showed that the move to 5G, contrary to policy and industry claims, significantly increases radiation exposure. Even before the 5G antenna was put into operation, 3G and 4G base stations were installed on the roof, but with the activation of 5G, radiation exposure increased 188 times (from 9 Milliwatt/m2 to a maximum of 1,690 Milliwatt/m2)! Mona Nilsson, general director of the Swedish Radiation Protection Foundation and co-author of the study, told The Defender: "No study shows that this technology and Common and increasing exposure to 5G and 4G base stations, within government permitted limits, are safe. On the contrary, studies have repeatedly and convincingly shown an increased risk of microwave syndrome and cancer, at levels far below those that the government and telecommunications companies wrongly consider to be the case. safe. » 3)

Shockingly, the telecommunications industry attempted to censor the article on this case study when it was first published in the medical journal "Medicinsk Accessin" in spring 2022. "A representative of the Ericsson company, the world's leading provider of 5G infrastructure, and the federation of 1,200 technology companies, i.e. all major telecommunications companies in Sweden, wrote to the publisher of the Swedish magazine and asked him to remove the article," explained the authors of the case study. Many Swedes contacted the Swedish Foundation for Radiation Protection and reported health problems after the installation of a 5G antenna in their neighborhood. "Based on measurements of the massively increased radiation of 5G and current knowledge, we can conclude that 5G is very dangerous and must be stopped," Nilsson said.4)

## Biological systems are heavily influenced by wireless communication

A study evaluated by experts, published in December 2022 in "Frontiers in Public Health," ncluded that there were many evidence "that human biological systems are significantly affected by exposure to common wireless communication devices and corresponding infrastructure." Researchers from the Oceania Radiofrequency Scientific Advisory Association (ORSAA) and the Center for Environment and Population Health at Griffth University School of Medicine and Dentistry in Brisbane, Australia, summarized the results of 1,106 experimental and epidemiological studies investigating the biological and health effects of electromagnetic fields and radiation. Two thirds of these scientific studies revealed significant biological effects on health. The Australian researchers wrote that hundreds of works have revealed the impact of mobile phones and mobile phone infrastructure on fundamental biological processes in the human body, including protein damage, biochemical changes and oxidative stress.

Another study , also evaluated by experts and published in September 2022 in the specialized journal "Neuro-Oncology", from the Faculty of Medicine of the Chinese University of Hong Kong, in collaboration with the Association of Pacific Rim Universities), also concluded that cell phone use, among other factors, must be clearly associated with the development of primary brain tumors.

## Biological effects are still often ignored



In this context, it is appropriate to mention a study

Iongitudinal7) , published
January 5, 2023 in the magazine

specialist "Environment International", which examined the daily dose of high-frequency electromagnetic fields in the bodies of more than 6,000 British adolescents over a two-year period (2014 to 2016).

While the value remained roughly the same throughout the body at the time of measurement, the researchers saw a notable increase of 32%.

in the brain of adolescents after two years, particularly in the temporal lobe. (Most glioblastoma tumors develop in the temporal and frontal lobes.) The main reason for this increase was cell phone use among young people, with 2G networks still in use at the time of the measurement.

However, critics point out that this study has obvious shortcomings, in particular because the authors gave up studying potential biological and health effects. This is undoubtedly due to the fact that several authors of the study have links to the mobile phone industry. Eileen O'Connor, co-founder

and director of the EM Radiation Research Trust in the United Kingdom and member of the board of directors of the International EMF Alliance described the study as "favorable to

industry". « The key words of the document

are "estimate and hypothesis", with emphasis on the specific absorption rate (SAR), only relating to emissions from mobile phones capable of heating biological tissues," she said. Many

Experts confirm that the TAS is not a method of measuring the impact of mobile telephony on human beings. In 2013, a team of researchers evaluated TAS as a method for quantifying the potential biological effects of electromagnetic fields and concluded that "SAD actually refers to thermal effects, while the vast majority of recorded biological effects of radiation

Non-ionizing artificial environmental agents are non-thermal. »8)

## References

- ÿ1 Lennart Hardell, Mona Nilsson (2023). Case Report: The Microwave Syndrome after Installation of 5G Emphasizes the Need for Protection from Radiofrequency Radiation. Ann Case Rep: 8:1112. https://www.gavinpublishers.com/assets/articles\_pdf/Case-Report-The-Microwave-Syndrome-after-Installatio\_n-of-5G-Emphasizes-the-Need-for-Protection-from-Radiofreq\_uency-Radiation.pdf
- ÿ2 Yael Stein, Iris G Udasin (2020): Electromagnetic hypersensitivity (EHS, microwave syndrome) Review of mechanisms. Approx Res. 2020 Jul;186:109445. doi: 10.1016/j.envres.2020.109445. https://pubmed.ncbi.nlm.nih.gov/32289567/
- ÿ3 https://childrenshealthdefense.org/defender/selon-une-etude -5g-radiation-causes-symptoms ndrome-des-microwaves/?lang=fr

- ÿ4 https://childrenshealthdefense.org/defender/4-etudes-vienne nt-renforcer-les-preuves-de-lexistence-de-rayonnements-elect romagnetiques-lies-aux-technologies-sans-fil-chez-lhomme/? lang=fr
- ÿ5 Julie E. McCredden, Naomi Cook, Steven Weller and Victor Leach (2022). Wireless technology is an environmental stressor requiring new understanding and approaches in health care. Forehead. Public Health, December 20, 2022. Sec. Radiation and Health. Volume 10 2022. https://www.frontiersin.org/articles/10.3389/fpubh.2022.986315/full
- ÿ6 Junjie Huang, Sze Chai Chan, Veeleah Lok, Lin Zhang, Xu Lin,
  Don Eliseo Lucero-Prisno, Wanghong Xu, Zhi-Jie Zheng,
  Edmar Elcarte, Mellissa Withers, Martin CS Wong, NCD
  Global Health Research Group, Association of Pacific Rim Universities (APRU)
  (2022). Disease burden, risk factors, and trends of
  primary central nervous system (CNS) cancer: a global study
  of registries data. Neuro-Oncology, noac213, https://doi.org/
  10.1093/neuon c/noac213 https://academic.oup.com/neurooncology/advanc e-article-abstract/doi/10.1093/neuonc/noac213/6681116
- ÿ7 Marloes Eeftens, Chen Shen, Jana Sönksen, Claudia Schmutz,

Luuk van Wel, Ilaria Liorni, Roel Vermeulen, Elisabeth Cardis, Joe Wiart, Mireille Toledano, Martin Röösli (2023). Modeling of daily radiofrequency electromagnetic field dose for a prospective adolescent cohort. Environment International. 4 January 2023. https://www.sciencedirect.com/

science/article/pii/S0160412023000107 ÿ8 Dimitris J. Panagopoulos, Olle Johansson, George L. Carlo (2013).

Evaluation of Specific Absorption Rate as a Dosimetric Quantity for Electromagnetic Fields Bioeffects. PLOS ONE. June 2013, Volume 8, Issue 6. https://journals.plos.org/plosone/article/fil e?id=10.1371/journal.pone.0062663&type=printable

Published on Thursday February 16, 2023 in the categories 5G, Microwaves & mobile communications