TEST 5G MICROWAVES ON HEAT-SENSITIVE PEOPLE

Research Compiled by Joan McGovern Tendler, M. Arch.

.>390 SCIENTISTS AND MEDICAL DOCTORS HAVE CALLED FOR A MORATORIUM ON 5G, UNTIL IT IS ADEQUATELY TESTED.

The Dangers Of 5G – 11 Reasons To Be Concerned - Federal ... https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7016513/

"The available studies do not provide adequate and sufficient information for a meaningful safety assessment, or for the question about non-thermal effects. There is also need for research regarding heating of (exposed body tissue), e.g., skin or the eye, and on any environmental impact. Acute thermal injuries of various types" were found in eye studies on rabbits (lens opacity). -Myrtill Simkó, 5G expert and advisor to WHO

MOST RESEARCH, "MORE THAN 500 **STUDIES, FOUND** HARMFUL EFFECTS FROM RADIO-FREQUENCY RADIATION AT INTENSITIES" TOO LOW TO NOTICE.

-Joel M. Moskowitz, PhD., School of Public Health, UC-Berkeley

"Increased exposure may result, not only from the use of much higher frequencies in 5G, but also from the potential for the aggregation of different signals, their dynamic nature, and the complex interference effects that may result, especially in urban areas. The 5G radio emission fields are quite different to those of previous generations because of their complex beamformed transmissions from base station to handset and for the return." -European Parliament's Committee on Industry, Research and Energy

SIGNS OF EXPOSURE TO MICROWAVE ENERGY

- Inflammatory nitric oxide, leaky blood vessels and permeable blood-brain barrier from vasodilation
- Hypoxia: dry cough, difficulty breathing, irregular EKG, chest pain, chilblains
- Fever and chills/heat shock
- Muscle/joint pain, fatigue
- Sore eyes, light sensitivity, lens opacity
- Sinus pressure (congested/runny nose)
- Headache, tinnitus, dizziness
- Altered taste
- Gastrointestinal symptoms
- Decreased white blood cells
- Low melatonin, disturbed sleep, anxiety
- Swollen glands, rash
- Confusion, depression, lack of focus

Microwaving Our Planet - AVAATE

https://www.sciencedirect.com/science/article/pii/S0891061815000599 Irradiated - Federal Communications Commission Do You Have Microwave Sickness - La Leva di Archimede Microwave Sickness

Federal Communications Commission The Dangers Of 5G – 11 Reasons To Be Concerned - Federal ...

0 PEOPLE VULNERABLE TO EFFECTS FROM 5G MICROWAVE ENERGY

HEAT-SENSITIVE PEOPLE (low in oxygen)

- Obese
- Diabetics
- People with hypertension
- Elderly
- Cardiovascular disease
- COPD
- Infants
- Pregnant women
- Multiple sclerosis
- Many common drugs: pain relievers, ACE-inhibitors, diuretics, beta blockers, Parkinson's meds, psych. meds, Benadryl, Sudafed, nicotine, alcohol, caffeine, and more. 66% of American adults take prescription drugs, with more taking OTC drugs.

PRQVEN HARMFUL EFFECTS OF 5G MICROVVAVES: -HEATING EFFECTS -PERMEABLE CELL MEMBRANES -NERVE STIMULATION "WE NEED MORE STUDIES." ICNIRP

https://www.jimmunol.org/content/168/6/2997 (PDF)
https://www.investigate-europe.eu/en/2020/%e2%86%92-eric-van-rongen-of-the-international-commission-on-non-ionising-radiation-protection-we-need-more-studies-on-5g-but-it-is-not-icnirps-task-to-decide-that/

Changes in cellular proteins due to environmental non ..

Nitric oxide level in the nasal and sinus mucosa after exposure to electromagnetic field

"The effect of weak microwave fields, used in portable phones, on heat shock protein in (healthy) cells: Hsp-70 and Hsp-27 were found. Field strength was much lower than safety standard for heat generated by microwave fields".

"Exposure to EMF released by mobile phones (900 MHz) increases nitric oxide (NO) in the sinus and nasal mucosa."

Hsp70 induces inflammatory NO to expel excess heat, which makes blood vessels permeable and generates free radicals.

https://pubmed.ncbi.nlm.nih.gov/11961394/

"ENHANCED ABSORPTION OF (5G) ENERGY BY BLOOD VESSELS (NEAR EXPOSED TISSUE) MAY PLAY A PRIMARY ROLE IN VASODILATATION".

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4543034/

https://pubmed.ncbi.nlm.nih.gov/25195697/

https://academic.oup.com/brain/article/125/11/2549/259101

Zinc supplementation boosts the stress response ... - LINK-group

https://www.jstor.org/stable/3576466?seq=1 https://pubmed.ncbi.nlm.nih.gov/2367278

https://www.sciencedirect.com/science/article/pii/S0891061815000599#bib0305

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4267486/

https://www.jimmunol.org/content/168/6/2997 (PDF)

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3118398/

Hsp70 is activated by zinc, plus zinc is needed to bring oxygen into cells. Hsp70 expels excess heat in healthy people. But heatsensitive (low oxygen) diabetic/ obese/hypertensive people are low in zinc and, thus, low in Hsp70. Instead, their hypoxic cells induce platelet-activating factor and VEGF, which, in order to expel heat, can induce the inflammatory bradykinin pathway. In this case, blood vessels (also blood brain barrier) become very permeable/leaky, and can cause edema, acute lung injury, and much more.

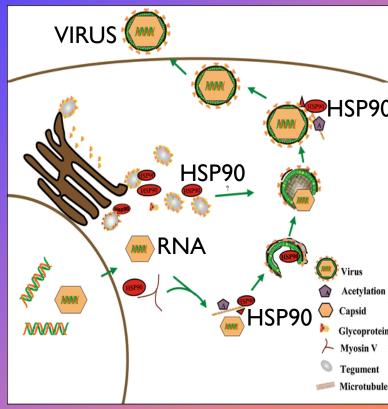
HEAT-SENSTIVE PÉOPLE MAKE HARMFUL HSP90, NOT PROTECTIVE **HSP70**.

https://www.yourhormones.info/hormones/cortisol/https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5717532/https://link.springer.com/article/10.1007/BF00966225/https://www.thelancet.com/journals/lanres/article/PIIS2213-2600(20)30418-5/fulltexthttps://www.dbsalliance.org/education/anxiety/common-symptoms-of-anxiety/(PDF) Changes in cellular proteins due to environmental non ..

"EMFs disturb immune function through stimulation of allergic/ inflammatory responses, (and disturb) tissue repair. Such disturbances increase risk for various illnesses." This is especially true for hypoxic people. For example, depression and anxiety are linked to "fightor-flight" hormone cortisol, which can be induced by heat. In heat-sensitive people, Hsp90 is induced in response to heat instead of protective Hsp70, and Hsp90 activates cortisol, which also causes high blood pressure, weak muscles, and weight gain:

HSP90 IS "PIVOTAL" FOR VIRAL RNA SURVIVAL

C



Overexpressed Hsp90 from hypoxic cells assembling viruses.

https://www.nature.com/articles/s41392-020-00233-4 https://pubmed.ncbi.nlm.nih.gov/22579285/

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2727994/ https://www.researchgate.net/figure/HSP90-might-be-involved-in-viral-assembly-and-release-Whether-the-process-of-viral fig5 318935962

Regarding other illnesses, Hsp90 is found with cancer and viruses, as it "directly results in DNA/RNA damage". "Regarded as a doubleedged sword, Hsp's cooperate with viruses and cancer cells to promote their survival." Hsp90 is "nearly universally required" for viral survival: it protects damaged RNA with a fat membrane, preventing its repair, and then replicates it! It binds to microRNA genes, controls and activates cancer genes. So, heat-sensitive people may be more vulnerable to cancer and viruses with 5G.

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3339566/

https://pubmed.ncbi.nlm.nih.gov/23311135/ https://jvi.asm.org/content/91/6/e02220-16

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4693249/

https://www.cell.com/fulltext/S0092-8674(12)00414-X https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4947990/

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A LARGE PERCENTAGE OF U.S. ADULTS MAY BE HEAT-SENSITIVE FROM DISEASE OR MEDICATIONS

Thus, 5G may appear to be safe when tested on healthy lab animals, but in heat-sensitive people with hypoxic cells, who are well over half of the U.S. population, harmful and inflammatory NO and Hsp90 can be induced in exposed tissue: skin, nasal passages, respiratory system, and eyes. Furthermore, EMF scientists agree that the effects of 5G energy on exposed tissue haven't been studied for safety. Yet, 5G continues to be rolled out, and phones are available to buy, with no warnings for these people.

5G "UNIVERSAL CONNECTIVITY"

- -China was first to fully turn on 5G in Wuhan, in October 2019.
- -Milan, including hospitals, worked with China's Huawei to become an "extensive 5G testbed" for 5G.
- Fince then, 5G has been rapidly rolled out, and is now (end of 2020) in nearly every country in the world, including on cruise ships, yet is nowhere near its goal of "universal connectivity".
- -Yet, many cities have halted 5G rollout due to health concerns, until it is fully tested. For example, 120 cities in Italy now have a moratorium on 5G installation, and even the capitol of the European Union, Brussels, halted 5G installation.

SAFETY VS. MARKETPLACE DEMANDS

In the 2009 Murray vs. Motorola (six cell phone companies) case, the U.S. Federal Communications Commission explained that the radiation limits it tuses "provide a proper balance between the need oto protect the public and workers from exposure to excessive RF electromagnetic fields and the need to allow communications services to readily address growing marketplace demands".

- "Speeding Up Federal Review of Infrastructure: The FCC adopted new rules that will reduce federal regulatory impediments to deploying infrastructure needed for 5G and help to expand the reach of 5G."
- "Speeding Up State/Local Review of Small Cells: The FCC reformed rules designed decades ago to accommodate small cells. The reforms ban short-sighted municipal roadblocks that prohibit deployment of 5G."
- But, wireless carriers admitted in a Senate hearing that they were not aware of any independent scientific studies on safety of 5G technologies." To this, Senator Robert Blumenthal remarked, "We're flying blind!"

https://www.blumenthal.senate.gov/newsroom/press/release/at-senate-commerce-hearing-blumenthal-raises-concerns-on-5g-wireless-technologys-potential-health-risks
https://www.youtube.com/watch?v=0sex0SuiXSM&feature=emb_logo
https://www.fcc.gov/5G

https://www.cnet.com/news/fcc-chairman-addresses-5g-safety-concerns-in-letters-to-lawmakers/https://www.politico.com/news/2020/07/08/ajit-pai-enemies-5g-351803

FCC 5G FAST PLAN

FCC Chairman Ajit Pai is "moving forward aggressively", "streamlining" 5G antenna installation. He states that "one of the FCC's top priorities is that America leads the world in wireless innovation."



"I am confident that 5G will be safe."



How our cities would look if we could see the microwaves and millimeter waves coming from the 5G cell phone antennas that blanket our cities, installed as close as 330 feet apart!

EVEN WIRELESS COMPANIES WORRY ABOUT 5G HARM!

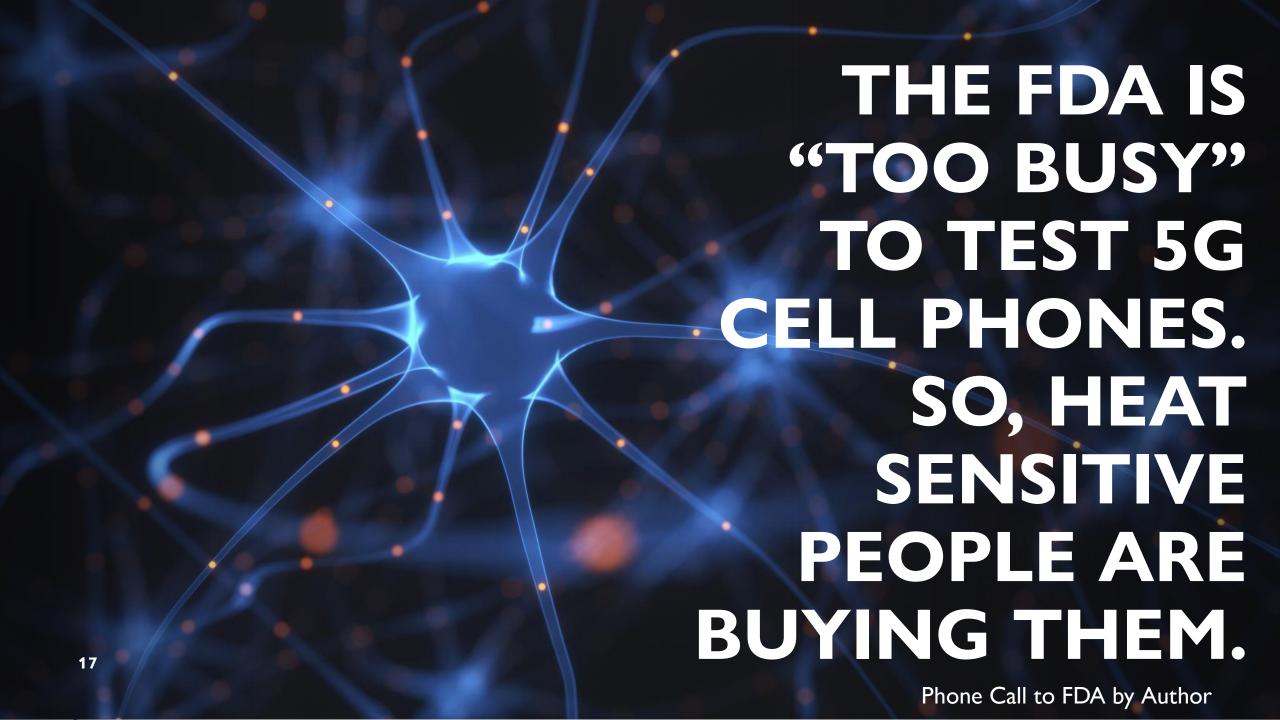
"If frequency emissions from wireless handsets or equipment on our communications infrastructure are demonstrated to cause negative health effects, potential future claims could adversely affect our operations, costs or revenues."-Crown Castle

"We may incur significant expenses in defending these lawsuits. In addition, we may be required to pay significant awards or settlements." -Verizon Communications Inc.

5G AFFECTS ANIMALS AND PLANTS

"Numerous recent scientific publications have shown that 5G electromagnetic field affects living organisms at levels well below most guidelines. Effects include increased cancer risk, cellular stress, harmful free radicals, genetic damages, structural and changes of the reproductive system, learning and memory deficits, and neurological disorders. There is growing evidence of harmful effects to both plants and animals" (as a study found concerning bees). -Signed by over 250 scientists who have published research on the health effects of nonionizing electromagnetic fields (majority of experts on nonionizing radiation)

Non-ionizing radiation can't penetrate leaves, so trees will have to be pruned. Some Sierra Club chapters have taken a strong stance against 5G due to loss of tree canopy, as well as health concerns.



ALMOST 50% OF **ÅMERICANS ARE** HYPERTENSIVE, OVER 40% OBESE, AND OVER 10% ARE DIABETIC.

https://www.greenamerica.org/do-cell-phones-cause-cancer/our-interview-dr-devra-davis-0 https://www.npr.org/2019/10/31/774838891/its-a-smartphone-life-more-than-half-of-u-s-children-now-have-one

https://www.statista.com/statistics/1058911/first-time-cell-phone-use-by-children-in-the-us-

https://www.diabetes.org/resources/statistics/statistics-about-diabetes

https://www.tfah.org/report-details/state-of-obesity-2020/

https://www.cdc.gov/bloodpressure/facts.htm

https://www.nih.gov/news-events/news-releases/worlds-older-population-grows-dramatically

These illnesses are increasing worldwide and have been called epidemics in their own right. The number of elderly is also growing at an "unprecedented rate" worldwide. So, it's clearly essential that tests on 5G be done on heat-sensitive people, not just on healthy animals.

Tests also need to be done as actually used: 24/7, taken into bed, and given to young children (who are more vulnerable due to thin skulls), for 16.1% of children in the U.S. first used a cell phone between 3 and 4 years old, plus 53% under twelve own a phone.

OVER 300 EMF SCIENTISTS SAY TO HALT 5G UNTIL IT'S ADEQUATELY TESTED FOR SAFETY. WHAT ARE WE WAITING FOR?

THANKS FOR WATCHING!
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