ARE THERE HEALTH RISKS FROM ELECTROMAGNETIC FIELDS (EMFS) CREATED BY MOBILE PHONES, WIFI AND BASE STATION MASTS ?

WHAT DOES **THE SCIENCE** TELL US. PART 1

Cllor Patrick Scott Hogg @ Cumbernauld Community Forum, 2019 PRESENTATION ON THE NECESSITY TO REMOVE WIFI IN NORTH LANARKSHIRE'S SCHOOLS

(updated June 2022)

We have also arranged things so that almost no one understands science and technology. This is a prescription for disaster. We might get away with it for a while, but sooner or later this combustible mixture of ignorance and power is going to blow up in our faces."

– Carl Sagan

sensequotes.com

WHAT ARE ELECTROMAGNETIC FIELDS (EMF'S)?

ELECTROMAGNETIC FIELDS (EMFs) are Radiofrequency (RF) Pulsed Waves that allow information to be transmitted back and forth between computers and a router or base station antenna through the air.

The specific frequency that WiFi uses is 2.4 GHz, or 2.4 billion cycles per second.

This is the same frequency as microwave oven radiation.

IF IT CAN TRAVEL THROUGH WALLS IT TRAVELS THROUGH OUR BODIES! SIMPLE!

IOIN COMMUNITY AWARE SCOTLAND ON FACEBNOOK AND OUR WEBSITE OF THE SAME NAME

WIFI or Mobile Phone Signals are forms of

<mark>low level <u>non -ionising</u> RADIATION</mark>

SO WHAT IS NON-IONISING RADIATION AND WHERE

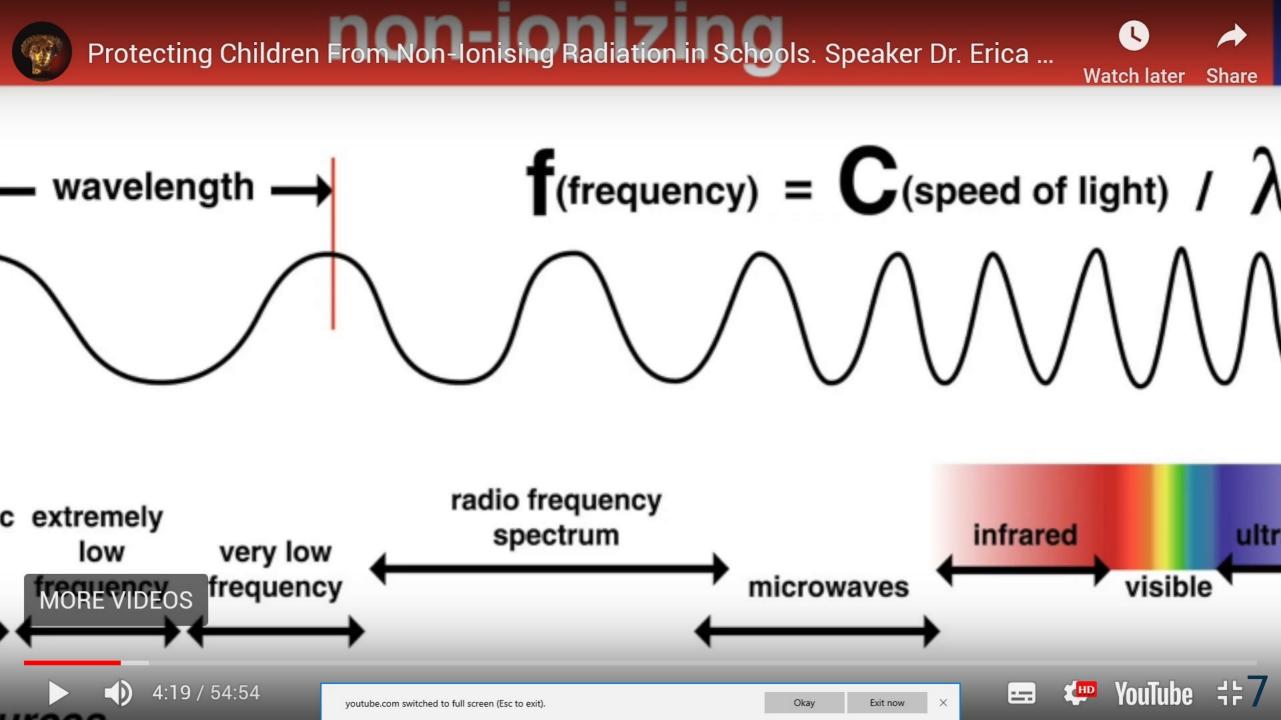
DOES IT SIT ON THE

ELECTRO MAGNETIC SPECTRUM?





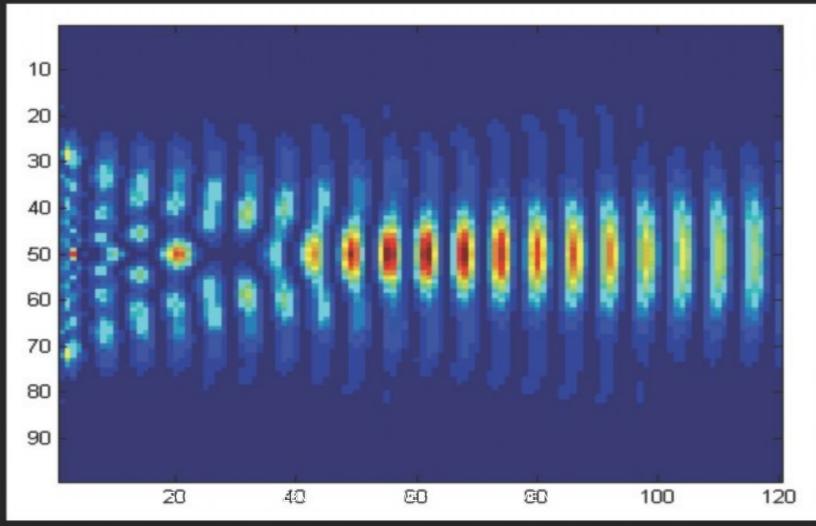
	NON-IONIZING		IONIZING		
RADIO V EXTREMELY LOW FREQUENCY (ELF)	VAVES (RF)	FARED JULT	RAVIOLET	X-RAY GA	MMA RAYS
NON-THERMAL INDUCES LOW CURRENT	THERMAL HIGH CURRENTS HEATING	OPTICAL EXCITES ELECTRONS PHOTOCHEMICAL	BROKEN BONDS DAMAGES DNA		
	Microwave o-TV Oven/satellite/ cell phone	Heat Lamp Laser	Tanning booth	Medical X-ray	Radioactive sources



EMF PULSED RADIO WAVE DATA SIGNAL



The impact of any form of radiation depends on the nature of the waves



Frequency
Amplitude
Pulse
Wavelength/Form
Information

RADIO FREQUENCY SPECTRUM -MHZ

4G: 700 MHz = radio frequency waves 17 inches long 3G/4G: 800 MHz = radio frequency waves 15 inches long 3G/4G: 900 MHz = radio frequency waves 13 inches long 3G/4G: 1800 MHz = radio frequency waves 7 inches long 3G/4G: 2100 MHz = radio frequency waves 6 inches long Wi-Fi: 2450 MHz = radio frequency waves 5 inches long

	1998 3 3 6	2008 24 G	С 2020? С С С С С С С
Texting	Texting Internet access	Texting Internet access	Texting Texting Ultra HD & 3-D video
2G Frequencies	3G Frequencies	4G Frequencies	5G Frequencies
GSM 2G Upto 1.9 Ghz	HSDPA 3G Upto 2.1 Ghz	LTE 4G Upto 2.5 Ghz	loT 5G Upto 95 Ghz 11

	Halandala P.	Jaste V		
1G	2G	3G	4G	5G
1981	1992	2001	2010	2020(?)
2 Kbps	64 Kbps	2 Mbps	100 Mbps	10 Gbps
Basic voice service using analog protocols	Designed primarily for voice using the digital standards (GSM/CDMA)	First mobile broadband utilizing IP protocols (WCDMA / CDMA2000)	True mobile broadband on a unified standard (LTE)	'Tactile Internet' with service-aware devices and fiber- like speeds
NUMBER OF STREET				?
Th	KXX			

WIFI AND EMF SIGNALS FROM BASE ANTENNAE ARE UBIQUITIOUS - HOMES, SCHOOLS, SHOPPING CENTRES, SUPERMARKETS, WORKPLACES, BUSES - WIFI **IS ALMOST A 'FASHION ACCESORY' TO** MODERN BUSINESS -**A WAY OF ATTRACTING CUSTOMERS** MOST OF US STILL ASSUME IT IS SAFE

SO, WHO SETS THE **REGULATORY 'SAFETY' GUIDELINES? AND** WHAT ARE THEY?

private organisati on Germany An N.G.O. Supported by the **World Health** Organisation (W.H.O.) sub Group I.A.R.C.

THE UK AND SCOTTISH GOVERNMENTS & COUNCILS ACCEPT REGULATORY STANDARDS SET BY I.C.N.I.R.P.

INTERNATIONAL COMMISSION ON NON-IONISING RADIATION PROTECTION

International Agency for Research on Cancer



PRESS RELEASE N° 208

31 May 2011

IARC CLASSIFIES RADIOFREQUENCY ELECTROMAGNETIC FIELDS AS POSSIBLY CARCINOGENIC TO HUMANS

Lyon, France, May 31, 2011 -- The WHO/International Agency for Research on Cancer (IARC) has classified radiofrequency electromagnetic fields as **possibly carcinogenic to humans (Group 2B)**, based on an increased risk for **glioma**, a malignant type of brain cancer¹, associated with wireless phone use.

SINCE 2011 Many of those on the W.H.O. I.A.R.C. panel and other scientists have publicly voiced the view that the category for EMF RADIATION should have been Group 2A 'Probably carcinogenic to humans' and MANY SCIENTISTS NOW ARGUE FOR Group 'Carcinogenic to humans' based on recent major studies.

Example of IARC member demanding reclassification of EMF radiation as class 2A!



Annie J. Sasco - international Expert in epidemiology, and cancer prevention. she is also a medical doctor and a scientist. she graduated from the University of Bordeaux, France, with M.D degree. she also got several specialized qualifications :hygiene and social

medicine, occupational medicine, spatial and aeronautical medicine, sociology. and much more education. <u>She have 3 degrees in epidemiology from Harvard :</u> 1. MPH- Master of Public Health.

2. MS- Master of Science , in Biostatistics and Epidemiology. 3. DrPH - Doctor of Public Health, in Epidemiology. she was a Harvard Teaching Fellow for several years. Then she joined the INSERM (French NIH - national institute of health and medical research) and worked in IARC for 22 years, including 9 years as Chief of Unit of Epidemiology for Cancer Prevention, and 2 years as Chief of the WHO Program for Cancer Control. She spent most of the past 35 years working in the epidemiology of cancer. she is the author of more than 400 publications including more than 135 indexed in Medline, and has numerous editorial activities for peer-reviewed journals. She claims that artificial EMF is a cause of cancer in the world, and needs to be classified as 2A, not 2B. and that 5G is dangerous to the health of the people around the world. and that there is no justification at all, to risk the health of Billions of people worldwide wish such a threat.

NB: IF RF ELECTROMAGNETIC RADIATION WERE CLASSIFIED AS CLASS 1 CARCINOGEN, BY THE W.H.O.,

THIS WOULD MEAN ALL WIFI IN SCHOOLS WOULD BE ILLEGAL AS IT IS ILLEGAL TO HAVE CLASS 1 CARCINOGENS IN ANY PUBLIC SPACES

Protecting Children From Non-Ionising Radiation in Schools. Speaker Dr. Erica Do Cell Phones Cause Brain Tumours?

(Hardell L and Carlberg M. 2013, Hill criteria, Reviews of Environmental Health 28: 97–106)

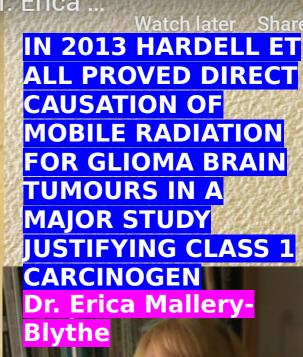
- 1. Strength: Ipsilateral tumours in highest cumulative exposure category
- 2. Consistency: Same results, different studies (Hardell, Interphone)
- 3. Specificity: Regarding tumour type and site (glioma/AN / temporal L)
- 4. Temporality: Exposure precedes effect. Risk increases with time.
- 5. Biologic gradient: Dose-Response effect clear
- 6. Plausibility: DNA breakage /ROS demonstrated, no specific mutations
- 7. Coherence: 165/208 countries common risk TC subscriptions alone

8. Experiment: Decreasing exposure: external antennas decreased risk MORE VIDEOS
 9. Analogy: Limited evidence for CNS tumour, but initiation and promotion

neted with other cancers (malignant lymphoma, mammary, skin, lymphoma)



20:24 / 54:54

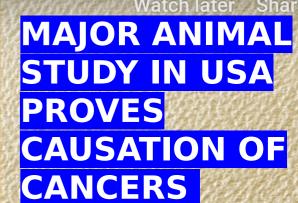


Protecting Children From Non-Johnsing Radiation in Schools. Speaker Dr. Erica Carcinogenesis Studies of Cell Phone Radiofrequency Radiation in Hsd: Sprague Dawley® SD rats (Whole Body Exposures)

Key Points:

- \$25 Million Funding, twice normal number of animals
- 3 reviewing panels instead of one
- · Largest study on cellphone radiation and cancer
- Classical design for assessing risk in humans
- exposure of 1.5 W/Kg is lower than currently allowed under FCC public safety limits
- same cell types as in human epidemiological studies (IARC's Monograph)
- 1 in 12 male rats developed either malignant cancer
 MORE VIDEOS (brain and rare heart tumors) or pre-cancerous lesions. No cancers occurred in the control group
 - Dose response relationship noted









Protecting Children From Non-Ionising Radiation in Schools. Speaker Dr. Erica

Table thanks to: Joel M. Moskowitz, PhD, School of Public Health, UC Berkeley, March 30, 2018 Electromagnetic Radiation Safety: Evidence of Carcinogenicity

	Α	Sex	Modulation	Tumor
	Rat	Male	GSM	Heart:
	Rat	Male	CDMA	Heart:
	Rat	Male	GSM	Brain:
	Rat	Male	CDMA	Brain:
	Rat	Male	GSM	Brain: (
	Rat	Male	GSM	Prostat
	Rat	Male	GSM	Pituitar
	Rat	Male	CDMA	Pituitar
	Rat	Male	GSM	Adrena
	Rat	Male	GSM	Pancre
	Rat	Male	CDMA	Liver
	Rat	Female	GSM	Heart: S
	Rat	Female	CDMA	Heart: S
	Rat	Female	CDMA	Brain: (
	Rat	Female	CDMA	Adrena
	М	Male	GSM	Skin
	М	Male	GSM	Lung
6	М	Male	CDMA	Liver
ľ	MO		DEOS	Lympho
	M	Female	CDMA	Lympho
				100 C

22.15 / 51.54

Q

art: Schwannoma art: Schwannoma ain: Glioma ain: Glioma ain: Granular Cell ostate gland uitary gland uitary gland renal gland ncreas art: Schwannoma art: Schwannoma in: Glioma renal gland phoma phoma

NTP Draft Report some evidence some evidence equivocal equivocal equivocal equivocal equivocal equivocal equivocal equivocal equivocal no evidence no evidence equivocal equivocal equivocal equivocal equivocal equivocal equivocal

clear evidence (8-3) clear evidence (8-3) some evidence (7-4) some evidence (6-4-1) equivocal (11-0) equivocal (11-0) equivocal (10-1) equivocal (11-0) some evidence (6-4-1) equivocal (11-0) equivocal (11-0) equivocal (9-2) equivocal (9-2) equivocal (8-3*) equivocal (10-0-1) equivocal (8-3) equivocal (11-0) equivocal (10-1) equivocal (9-2) equivocal (11-0)

Expert Panel (vote)

Watch later Share PEER-REVIEW PANEL ACCEPTS PANEL ACCEPTS 2 TYPES OF CANCER CANCER CAUSATION FROM THE ANIMAL STUDY

 HD
 VALITIILA
 J L

 ヘ 空 @ (1)
 20:42
 09/12/2019
 0

Type here to search

SO WHAT ARE 'SAFE' LEVELS?

58 VOLTS PER METRE IS SET AS THE SAFE LEVEL - SET IN 1998! IF IT DOESN'T HEAT TISSUE IN 6 MINUTES AVERAGE ITS DEEMED 'SAFE'!

THIS EQUALS 9 MILLION MICROWATTS PER SQUARE METER (uW/m2)

I.C.N.I.R.P. and W.H.O. subgroup I.A.R.C. are key REGULATORS to governments

I.C.N.I.R.P. REJECT ALL PEER-REVIEWED SCIENCE WHICH SHOWS ANY HARM TO HUMANS FROM EMF RADIATION

Professor Magda Havas - Trent University, Canada 'Science is one of the tools society uses to decide health policy. In the case of telecommunications... the science is being ignored. Why do we teach science in schools and train talented scientists in Universities, only to ignore the research that they publish when it is economically or politically inconvenient?

ICNIRP are a small NGO, a private company, accountable to no one, whose members have been repeatedly exposed for financial conflicts of interest and ties with the industry.

In 2008 the EU Parliament voted the ICNIRP limits obsolete by 522 votes to 16 - yet nothing was done to lower safety levels.

Many Scientists worldwide point to the parallels with lead, asbestos, glyphosate and tobacco in terms of industry interests versus protecting public health.

The EMF Call

For Truly Protective Limits for Exposure to Electromagnetic Fields (100 kHz to 300 GHz)

ICNIRP's opinion and guidelines are unscientific and protect industry, not public health

In order to protect the public and the environment from the known harmful effects from electromagnetic fields (EMF) we ask the United Nations, the World Health Organization and all governments not to accept the ICNIRP guidelines. They are not protective, rather they pose a serious risk to human health and the environment since they allow harmful exposure to the world population, including the most vulnerable, under the unscientific pretext that they are "protective".

Background

The International Commission on Non-Ionizing Radiation Protection (ICNIRP) issued draft Guidelines on 11th July 2018 for limiting exposure to electric, magnetic and electromagnetic fields (100 kHz to 300 GHz).¹ These guidelines are unscientific, obsolete and do not represent an objective evaluation of the available science on effects from this form of radiation. They ignore the vast amount of scientific findings that clearly and convincingly show harmful effects at intensities well below ICNIRP guidelines.² The guidelines are inadequate to protect humans and the environment.



YOU COULD WALLPAPER THE WORLD WITH THE **STUDIES PROVING THE** HARM CAUSED BY WIRELESS **RADIATION'** OLGA SHEEAN former employee of W.H.O. **EVIDENCE SHOWS HARM AT LEVELS OF EXPOSURE 100'S & 1000'S OF TIMES LOWER THAN SO-CALLED SAFETY LEVELS**

I.C.N.I.R.P. GUIDELINES FOR EUROPE COMPARED TO OTHER **COUNTRIES WITH A PRECAUTIONARY APPROACH**

 \rightarrow () - Phone masts

- Powerlines

EMFields store

W3C XHTML W3C CBR

俞

- Liability disclaim

- Privacy policy

- Cookies policy

© Copyright Powerwa

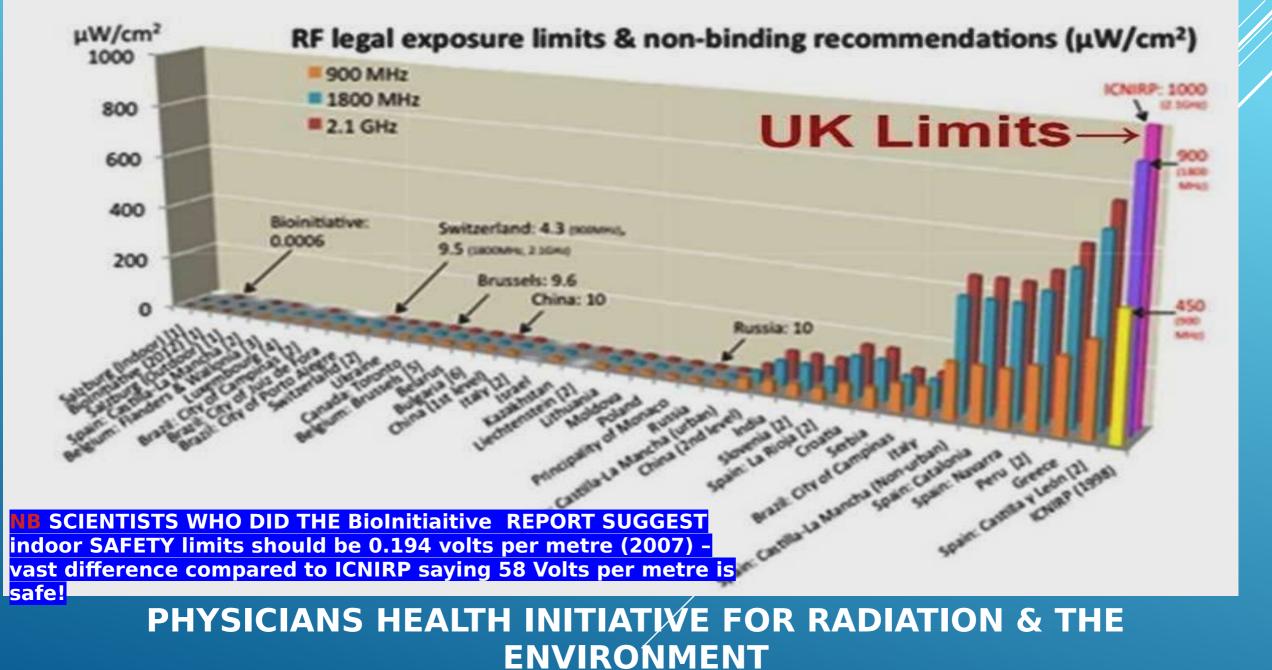
58 VOLTS
PER METRE
IS SET AS
THE SAFE
LEVEL -
IFIT
DOESN'T
HEAT TISSUE
IN 6
MINUTES
AVERAGED
IS
DEEMED
SAEEI

A https://www.powerwatch.org.uk/science/intguidance.asp							
	precautionary.						
	1800 MHz Public Expos	Microwatts / r	n2 _{Equivalent}	c.f. speed			
		μW/m ²	V/m	m.p.h.			
C88.	FCC (USA) OET-65		10,000,000	61	3000		
	ICNIRP (1998), WHO		9,000,000	58	2847		
aimer -	Belgium (excluding Wallonia) 9 million m	icrowatts per m2 is	1,115,000	21	1002		
licy -	Italy (sum of frequencies) Safe?	-	100,000	6	300		
licy -			100,000	6	300		
watch 2019	Switzerland, Lichtenstein, Luxembourg		95,000	6	292		
	Belgium Wallonia	RUSSIA CHINA	24,000	3	147		
	Typical 100m from a base station (0.2 to 6 V/m)	-SWITZERLAND	10,000	1.9	95		
	Vienna (sum GSM)		10,000	1.9	95		
S	Italy (single frequency)	ETC HAVE SAFETY	1,000	0.6	30		
RE	Salzburg 1998 (sum GSM)		1,000	0.6	30		
	EU-Parl, GD Wissenschaft, STOA GSM (2001)		100	0.2	9		
S	Median level, 15 US cities 1977 (mainly VHF & TV)		48	0.14	7		
E	Salzburg GSM/3G outside houses (2002)		10	0.06	3		
9	Salzburg GSM/3G inside houses (2002)	METER	1	0.02	1		
	Burgerforum BRD proposal, waking areas (1999)		1	0.02	1		
	Burgerforum BRD proposal, sleeping areas (1999)		0.01	0.002	0.1		
	Mobile phone handsets can work down to about		0.000002	0.00003	0.0015		
	Natural background level (all RF frequencies)		0.000001	0.00002	0.001		
SUE	Cosmic background at 1800 MHz average approx		0.0000000001	0.0000006	0.000003		

Note that it is very rare indeed for broadcast radio signals to exceed 1 V/m inside residences, with VHF/UHF ones rarely exceeding 0.05 V/m, being typically less than 0.01 V/m.

Mobile phones can work down to less than 0.00003 V/m.

Note also that The Power Flux Density (PFD) value only converts into the volts/metre value for continuous signals (like VHF FM radio signals). PFD, by its definition, relates to the average power (ICNIRP specifies that it should be averaged over 6 minutes) and is often much lower in mobile phone mast (etc) signals than is found in the short peak signal strength in the pulsing radiation. Most precautionary authorities believe that it is the peak power than matters



P.H.I.R.E

THE BODY OF SCIENCE PAPERS -SHOWING BIOLOGICAL NON-THERMAL HARM - HAS BEEN IGNORED BY I.C.N.I.R.P.

THIS INCLUDES thousands of Peer-Reviewed <u>SCIENTIFIC PAPERS SHOWING HARM BELOW</u> <u>REGULATED LEVELS OF EMF RADIATION</u> <u>What's the chances of 1000's of science papers all</u> <u>being wrong at once?</u>

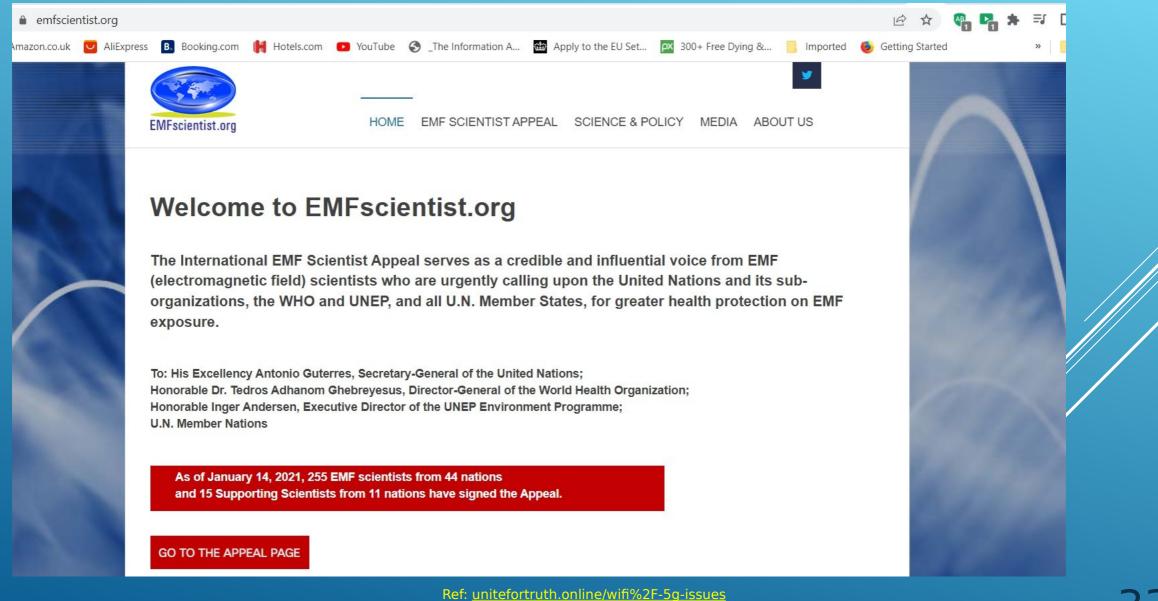
THE SCIENTISTS AND GROUPS DEMANDING LOWER SAFETY LEVELS HAVE STARTED A WORLDWIDE CAMPAIGN!

WHO ARE THEY?

SO, THE SCIENTISTS WHO HAVE DONE PEER-REVIEWED WORK INTO HUMAN EFFECTS OF EMF RADIATION TELL US THE SAFETY LEVELS ARE DANGEROUSLY WRONG AND ARE MAKING PEOPLE ILL - ESP. CHILDREN AND PREGNANT MUMS.

POLICY MAKERS IN GOVERNMENT REALLY NEED TO TAKE NOTE OF EVIDENCE-BASED SCIENCE AND DECIDE IF THEY WANT TO PROTECT THE PUBLIC HEALTH OR PROMOTE THE TELECOMS INDUSTRY AND IGNORE ALL WARNINGS FROM THE INDEPENDENT SCIENTISTS WHO STUDY THIS COMPLEX

IN 2017 252 SCIENTISTS FROM 43 NATIONS DEMAND THE UN AND WHO CHANGE EMF SAFETY STANDARDS IN AN INTERNATIONAL APPEAL



Unite For Truth - Community Aware Scotland (FB)





THE INTERNATIONAL APPEAL IS AVAILABLE FOR ANYONE TO READ ON THE INTERNET SCIENCE & POLICY MEDIA ABOUT US

Summary of the Appeal

The **Appeal** is being signed by scientists who have published **peer-reviewed papers on the biological or health effects of non-ionizing electromagnetic fields**, part of the electromagnetic field (EMF) spectrum that includes extremely low frequency fields (ELF) emitted by electrical devices; and, radiofrequency radiation (RFR), used for wireless communications. Scientists who have published peer- reviewed papers in related fields and have been significantly engaged in EMF education, are recognized as Supporting Scientists.

The Appeal urgently calls upon the United Nations, the WHO, UNEP and the UN Member States to:

• Address the global public health concerns related to exposure to cell phones, power lines, electrical appliances, wireless devices, wireless utility meters and wireless infrastructure in residential homes, schools, communities and businesses.

The scientific findings identified by the signators and others justify this appeal. The World Health Organization (WHO) is encouraged to exert strong leadership in fostering the development of more protective EMF guidelines, to call for precautionary measures, and to educate the public about health risks, particularly risks posed to children and to normal fetal development. **By not taking action, the WHO is failing to fulfil its role as the preeminent international public health agency**.

- The United Nations Environmental Programme (UNEP) is the U.N.'s "voice for the environment" and is uniquely positioned to take a
 planetary view of the potential for harm that EMF pollution presents to, biology -- evolution, health, well being, and very survival of all living
 organisms world-wide.
- We encourage the U.N. to ask UNEP to evaluate the scientific evidence and initiate an assessment of alternative exposure standards and practices that could substantially lower human exposures to non-ionizing electromagnetic fields.

Emfcall.org 5Gexposed.com emfacademy.com electricsense.com scientists4wiredtech.com

International Appeal: Scientists call for Protection from Non-ionizing Electromagnetic Field Exposure

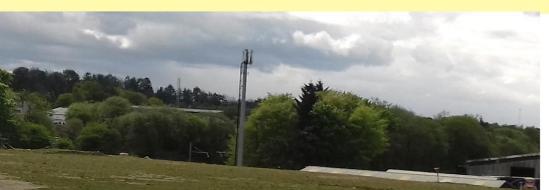
Ehtrust.org Bioinitiative.org 5ginformation.net safemr.com Whatis5g.info scientists4wiredtechn.org mdsafetech.org

We are scientists engaged in the study of biological and health effects of non-ionizing electromagnetic fields (EMF). Based upon peer-reviewed, published research, we have serious concerns regarding the ubiquitous and increasing exposure to EMF generated by electric and wireless devices. These include–but are not limited to–radiofrequency radiation (RFR) emitting devices, such as cellular and cordless phones and their base stations, Wi-Fi, broadcast antennas, smart meters, and baby monitors as well as electric devices and infra-structures used in the delivery of electricity that generate extremely-low frequency electromagnetic field (ELF EMF).

255 SCIENTISTS FROM 44 COUNTRIES (AT THE END OF 2021) Have "serious concerns" about wireless radiation. SO DO WE.









THE EMF CALL

HOME ABOUT THE EMF CALL

The EMF @all cientists and NGOs Call r Truly Protective Limits **K**Exposure to **Electromagnetic Fields** (100 kHz to 300 GHz)

THE EMF CALL

HOME ABOUT THE EMF CALL

SUBSCRIBE

Urgent Need for Truly Protective Limits for Exposure to Electromagnetic Fields (100 kHz to 300 GHz)

On November 1st, 2018, in order to protect the public and the environment from the known harmful effects from electromagnetic fields (EMF), **The EMF Call** was launched. It is by November 26, 2018, signed by 164 scientists and medical doctors together with 95 nongovernmental organizations. New medical guidelines need to be developed that represent the state of medical science and are truly protective. They also need to be developed without any industry influence.

The EMF Call also urges all governments, the UN and the WHO not to

THE EMF CALL

HOME ABOUT THE EMF CALL

The EMF Call also urges all governments, the UN and the WHO not to accept the ICNIRP guidelines, issued as draft on 11th July 2018. ICNIRP's guidelines pose a serious risk to human health and the environment. They allow harmful exposure to the world population, including the most vulnerable. They are not protective. They do not represent an objective evaluation of the available science on effects from this form of radiation.

Read The EMF Call

Download The EMF Call as pdf EN | FR | DE | ES | IT | RU | FI | SK | GR | SV

See the list of supporting scientists and medical doctors (pdf)



Ref: <u>unitefortruth.online/wifi%2F-5g-issues</u> Unite For Truth - Community Aware Scotland (FR)

	"OUTDATED, INCORRECT SCIENTIFIC BELIEFS HAVE
	SEVERELY SLOWED PROGRESS TOWARD APPROPRIATE
P.H.I.R.E.	PROTECTION OF THE PUBLIC.
Assessment	
	THE (ICNIRP) GUIDELINES (DEVISED IN 1998)
of	THAT WE CURRENTLY USE IN ENGLAND, ARE OBSOLETE.
	THEY ARE BASED ON THERMALLY INDUCED (TISSUE
ICNIRP	
regulations	HEATING) EFFECTS WHICH HAVE BEEN UNDERMINED BY
regulations	THOUSANDS OF PAPERS DEMONSTRATING SERIOUS
	BIOLOGICAL EFFECTS AT NON-THERMAL LEVELS,
	ORDERS OF MAGNITUDE BELOW CURRENT ICNIRP
	GUIDELINES."

The American Academy of Paediatrics

60,000 Paediatricians wrote to the American government asking for WIFI to be taken out of schools

- C American Academy of Environmental Medicine on wifi in schools

Q

#https://www.electrosmogprevention.org/public-health-alert/wifi-dangers/aaem-wifi-in-schools-not-recommended/

 $\left(\leftarrow \right)$

📝 MSN UK: Latest news, weather,... 🦉 Mail - Paddy Scott Hogg - Out... 📑 Facebook – log in or sign up 🛛 🦉 Pages on communityawaresco... 🦉 News - Activism | Community... 🖤 WiFi in Schools - Home

acebook – log	in or sign up	遵 Pages	on communityawaresco 🧯	🎒 News - Activism Community 🖤 V	ViFi in Schools - Home	AAEM: WIFI in School	s Not × 📑
	C for Electr California no protect p	nprofit w	•	click ber THE	e to learn about SCIENCE BE	HIND THE	HARM
Home	Stop 5G Act	ion Plan	Public Health Alerts	Cell Phone Safety Campaign	No Smart Meters Camp	aign About CEP	Donate
Join Us	Contact						

AAEM: WIFI in Schools Not Recommended

S	e	a	r	cl	h	

Search.

The American Academy of Environmental Medicine Statement on WiFi in Schools

http://aaemonline.org/wifischool.html

Adverse health effects, such as learning disabilities, altered immune responses, headaches, ect. from wireless radio frequency fields do exist and are well documented in the scientific literature. Safer technology, such as using hard-wiring, must be seriously considered in schools for the safety of those susceptible individuals who may be affected by this phenomenon.

Approved by the American Academy of Environmental Medicine Board of Directors on June 9, 2012.

CEP Note: WIFI is not found just in schools, but increasingly, in public libraries and stores such as Barnes and Noble, and Vons grocery stores. Involuntary exposures to WIFI can lead to headaches, cardiac problems, immune responses and more. CEP takes the position that WIFI should not be allowed in public places, as it is a hazard. Under the Americans with Disabilities Act and Section 504, as well as other discrimination laws that pertain to access, disabilities, and medical conditions, WIFI in public places should be challenged in the courts.

CEP calls upon all schools, libraries, and stores such as Barnes and Noble and Vons, as well as other places of public accommodation, and all workplaces, to turn off the WIFI and remove it permanently, as a hazardous RF radiation exposure to the general public.

DONATIONS NEEDED Your donation helps with our vital educational outreach and advocacy.



LATEST POPULAR TAGS

1-2-3 Action Plan to Stop 5G OCTOBER 4, 2019

Stop 5G with Protective Wireless Ordinances OCTOBER 3, 2019

San Diego County Supervisors vote to deploy hazardous 4G and 5G small cells AUGUST 10, 2019

Consider removing the WIFI in your homes as well, replace with wired Internet. That is what we

Q -

PROF DEVRA

DAVIS'

ENVIRONMEN

TAL HEALTH

TRUST (EHT)

SET UP TO

EDUCATE

PEOPLE ON

THE HEALTH

RISKS OF WIFI

MOBILES AND

EMF

RADIATION

KEY ISSUES POLICY

Wi-Fi In Schools, Wireless Radiation Health Impacts And Practical Solutions

fi 💟 🗗

ABOUT



A 21st century classroom must bridge the digital divide so that all students are engaged with technology. Low EMF Best Practices for schools allows for full technological access in the classroom while minimizing health risk so that schools and safe technology can work together.

The Low EMF Best Practice safe solution is a fully wired technology network in the school, along with corded phones (not cordless). Wireless technology introduces

an environmental pollutant into the school setting and this is not safe for children. All school technology should be fully wired -meaning schools should remove the Wi-Fi/wireless systems and replace them with wires and cable connections.

Background



CELL PHONE FINE PRINT WARNINGS

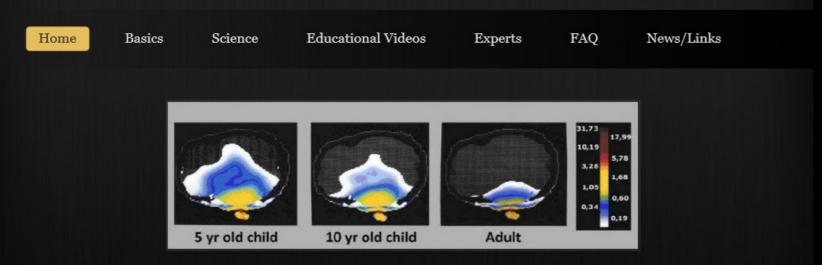






Millions of children and adults in schools around the world spend significant amounts of time around wireless devices and Wi-Fi. Many schools are introducing Bring Your Own Device (BYOD) policies and installing industrial wireless routers for tablets. However, wireless devices expose students and staff to microwave radiofrequency radiation that can impact learning and overall health. Studies have found that wireless radiation can damage reproductive systems, impact the immune system, alter brain functioning, and increase cancer risk. Tablets have up to 5 antennae that are constantly

WiFi in Schools



This website is dedicated to helping the public realize that wireless internet, or WiFi, emits radiation that causes a myriad of serious health effects, including damage to DNA, cancer, and infertility. Research shows that autism, ADHD, and other behavioral problems are also associated with wireless radiation exposure. Many scientific and medical experts have issued warnings because of the evidence before them.

Escuela Sin WiFi WiFi in Schools UK WiFi in Schools Australia C4ST Canada Parents for Safe Technology

Solutions are readily available. Computers in schools can be connected to the internet via wired technology, which does not emit RF microwave radiation, and is both faster and more reliable.

WiFi emits RF radiofrequency microwave radiation. Both wireless routers and wireless computers contain transmitters that send information back and forth through the air. Microwave radiation is able to penetrate walls made of wood, metal, and concrete. It can also penetrate our bodies.

There are literally thousands of peer reviewed studies, conducted in laboratories and field studies from around the world, that show wireless radiation to be harmful.

Scientific Evidence:

🚺 MSN UK: Latest news, weather,... 🥥 Learn the Science from the ... 🗙 🥥 News - Activism | Community ... 🖤 WiFi in Schools - Home

Home

🧉 AAEM: WIFI in Schools Not Re... 📑

Parents For Safe Technology

Health

Family

School

Community

- C Search...

Meet the Medical Doctors and Scientists Calling For Reduced Wireless Exposure to Children

Why not hear the science from the scientists themselves? These well credentialed experts state unequivocally that governments must take action to reduce wireless exposure on children. Listen to them explain the science below.

We are thankful for their courage. They are all respected experts in the field trying to share this credible evidence with the world.

Please start by watching this excellent presentation by Dr. Erica Mallery-Blythe to the right.

Dr. Erica Mallery-Blythe...

Dr. Erica Mallery-Blythe Children and EMFs

School

f

y

Doctor's Letters

Resources to Print Out

Why Children Are More Vulnerable

Five Reasons to Turn Off The Wireless

> Science and Scientists

Worldwide Countries

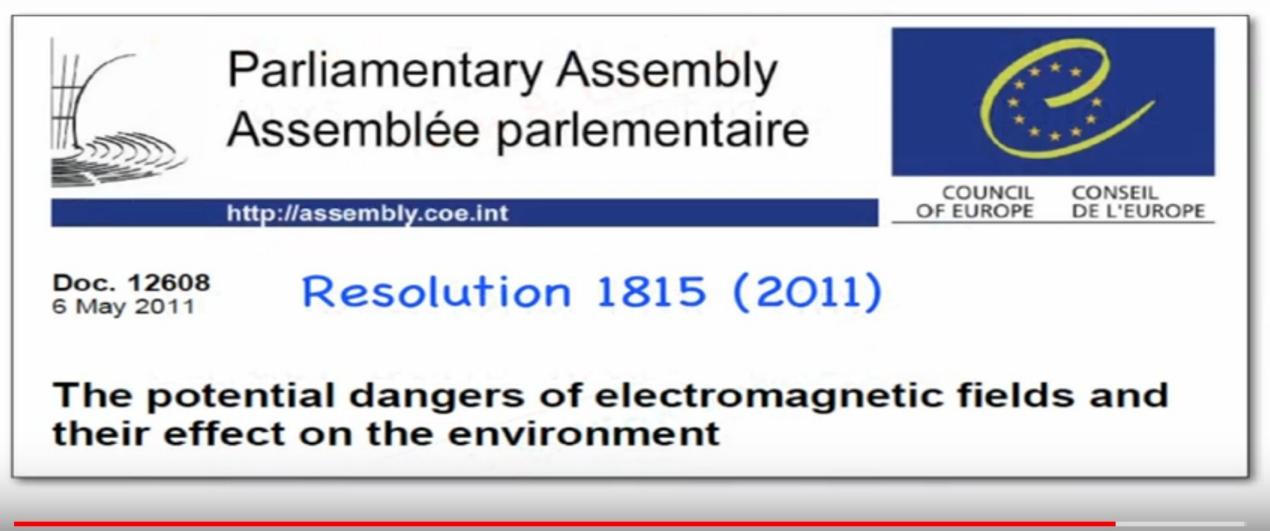
"Real courage is when you know you're licked before you begin, but you begin anyway and see it through no matter what." — Harper Lee, To Kill a Mockingbird



Devra Davis PhD MPH

Devra Davis heads the <u>Environmental Health Trust</u> focused on raising awareness about cell phone radiation. Davis was a founding director of the Board on Environmental Studies and Toxicology of the U.S. National Decearch Council, National Academy of Sciences and Cobelar in

Dr. Magda Havas: WiFi in Schools is Safe-True or False? Council of Europe



🕨 🕩 21:33 / 24:08

Scroll for details



Dr. Magda Havas: WiFi in Schools is Safe: True or False? Council of Europe

8.3.2. for children in general, and particularly in schools and classrooms, give preference to **wired Internet connections**, and strictly regulate the use of mobile phones by schoolchildren on school premises;

Doc. 12608 6 May 2011 Resolution 1815 (2011)

The potential dangers of electromagnetic fields and their effect on the environment

JOIN COMMUNITY AWARE SCOTLAND ON FACEBNOOK AND OUR WEBSITE OF THE SAME NAME



Scroll for details

The

European Parliament Committee on the Environment, Public H ealth and Food Safety

have said (see <u>A Precautionary Approach</u>)

'the limits of exposure to electromagnetic fields which have been set for the general public are obsolete'. It is calling for stricter exposure limits.

The European Environment Agency has said that evidence is now strong enough to reconsider the scientific basis for the present EMF exposure standards which have serious limitations

(<u>September 2009</u>).

SO, THE EUROPEAN PARLIAMENT AND 1000's of **SCIENTISTS FROM AROUND** THE WORLD ALL AGREE WE NEED MUCH LOWER **SAFETY LEVELS TO PROTECT** PUBLIC HEALTH.

> Ref: <u>unitefortruth.online/wifi%2F-5g-issues</u> Unite For Truth - Community Aware Scotland (FB)

Chart shows the Safety level recommendations from scientists who specialise in this area data from the Bioinitiative Report

Look at Column 3 (microwatts per sq meter) 4 levels of risk

Level 1 Green	0.00-
0.027	
Level 2 Yellow	0.1-26.5
Level 3 Amber	26.5-
<mark>1,120</mark>	
Level 4 Red	>1,120

EMWatch.com - EMF Guidelines

EM Watch Electromagne		adiation Exposure	e Guidelines	Copyright: www.emwatch.com		
Radio-Frequency Radiation Guidelines - for continuous and prolonged exposure						
Risk Level	Millivolts per Metre	Microwatts per square meter		Description		
1	0.00 - 10.0	0.00 - 0.27	Low risk of heal hypersensitive	Ith effects, except for electro- people.		
2	10.0 - 100	0.1 - 26.5	Slight risk of se children / pregn	rious health effects, especially for ant women		
3	100 - 650	26.5 - 1120	Moderate risk o	f serious health effects		
4	Over 650	Over 1120	High risk of seri	ous health effects		

Low Frequency Electromagnetic Radiation Guidelines - for continuous and prolonged exposure					
Risk Level Milligauss		MicroTesla	Description		
1	0.0 – 1.0	0.00 - 0.1	Low risk of health effects, except for electro- hypersensitive people.		
2	1.0 - 2.0	0.1 - 0.2	Slight risk of serious health effects, especially for children / pregnant women		
3	2.0 - 5.0	0.2 - 0.5	Moderate risk of serious health effects		
4	Over 5.0	Over 0.5	High risk of serious health effects		

Continuous and prolonged exposure means exposure for several hours a day, for several months - or years.

Notes

- Electro-Hypersensitive people may experience discomfort at very low EMF levels (even at Risk Level 1).
- Pregnant women should spend most of their time in level 1, but brief visits to levels 2 and 3 will probably do no harm. Avoid level 4.
- 3. Children should spend most of their time in level 1. Short periods of time may be spent in levels 2, 3 and 4.
- 4. Everyone should avoid continuous prolonged exposure at level 4.
- 5. Bedrooms, schools, hospitals, libraries and workplaces should be at level 1.

Use with discretion, and at your own risk. Bear in mind that no level of EMF has been proved absolutely safe (except zero).

No level of RF RADIATION above the natural level has been proven safe !

This is for continuous prolonged exposure

I.C.N.I.R.P. tell us 9 MILLION microwatts per square meter is safe!

Peer reviewed science tells us up **to 1,120** microwatts per **square meter** is a MODERATE RISK of SERIOUS HEALTH EFFECTS and anything above 1120 microwatts per square metre is a HIGH RISK OF SERIOUS HEALTH EFFECTS

2017 BioInitiative report Update goes Lower Still in Recommended safe levels!

At 30 uW/m2 is the lowest found effect on humans, So they suggest safe levels for children below this at between 3 and 6 uW/m2

Slight hazard 0.1 - 10

Severe hazard 10-1000

Extreme hazard >1000

All uW/m2 (microwatts per square meter)

Biologically-Based RF Microwave Radiation Exposure Guidelines

To compare, explore this link to "FCC Guidelines for Human Exposure to Radio-frequency Microwave Radiation"

<u>BioInitiative, 2017</u>: "A scientific benchmark of 30 µW/m² for lowest observed effect level for RF microwave radiation is based on mobile phone base station-level studies. Applying a ten-fold reduction to compensate for the lack of long-term exposure (to provide a safety buffer for chronic exposure) or for children as a sensitive subpopulation yields a **3 to 6 µW/m²** RF Microwave Radiation exposure guideline"

Similar scientifically-based RF Microwave Radiation Exposure Guidelines are published by the International Institute for Building-Biology & Ecology.

No Hazard	Slight Hazard	Severe Hazard	Extreme Hazard
< 0.1 µW/m²	0.1 $\mu W/m^2$ to 10 $\mu W/m^2$	10 µW/m² to 1,000 µW/m²	> 1,000 µW/m²

µW/m² = millionths of a Watt per square meter (a measurement of power flux density)

- Power flux density (PFD) = the amount of electrical power that flows through a unit area: expressed as microWatts (µW) per square meter (m²).
- PFD measures only the rate of electrical power, NOT the total electrical power delivered over time, which requires the rate to be multiplied by the time of exposure and then requires reporting the results in a more relevant unit: µW-seconds/m² or <u>uJoules</u>/m²
- Average µW/m² readings, as specified by the FCC, significantly under-report the levels of pulsed, data-modulated, RF microwave radiation exposures for two reasons
 - 1. Peak RF microwave radiation exposures meter 100x–1000x higher than average RF microwave radiation for data-carrying, modulated, high-crest signals like Wi-Fi, 4G/LTE and 5G because of the <u>duty cycle</u>, inherent in these RF signals. Inexplicably, the FCC RF microwave radiation exposure guidelines *only consider average* RF microwave radiation exposures, which is a significant error because living organisms' biology reacts to the sharp changes of RF microwave radiation from zero to peak levels and back again. This is more fully explained here: <u>Palo Alto Whitewashes RF Microwave Radiation Exposure Hazards</u>
 - The FCC RF microwave radiation exposure guidelines consider neither the time of exposure nor the total electrical power delivered over time, which is *utter nonsense* and scientifically unsound. This is more fully explained here: RF Microwave Radiation Counter.

The numbers are given in the Supplement: Building Biology Evaluation Guidelines for Sleeping Areas

		NO CONCERN	SLIGHT CONCERN	SEVERE	EXTREME
Electric field with ground potential	V/m	<1	1-5	5-50	>50
Electric field potential- free	V/m	<0.3	0.3-1.5	1.5-10	>10
Magnetic field	μT	<0.02	0.02-0.1	0.1-0.5	>0.5

ALL OF THESE RECOMMENDED LEVELS COME FROM EXPERT SCIENTIST STUDYING HUMAN EFFECTS

ALL RECOMMENDATION S ARE LOWER THAN 1 V/m (VOLT PER METER)

WHERAS ICNIRP TELL US 58 VOLTS IS SAFE (HAVING TESTED A DUMMY IN 1998)

EXAMPLES OF HARM FROM THE BIOINITIATIVE REPORT AT LEVELS WAY BELOW

Power Density (Microwatts/centime	eter2 - uW/cm2) X 10,000 for uW/m2	Reference
As low as (10 ⁻¹³) or 100 femtowatts/cm2	Super-low intensity RFR effects at MW reasonant frequencies resulted in changes in genes; problems with chromatin conformation (DNA)	Belyaev, 1997
5 picowatts/cm2 (10- ¹²)	Changed growth rates in yeast cells	Grundler, 1992
0.1 nanowatt/cm2 (10- ¹⁰) or 100 picowatts/cm2	Super-low intensity RFR effects at MW reasonant frequencies resulted in changes in genes; problems with chromatin condensation (DNA) intensities comparable to base stations	Belyaev, 1997
0.00034 uW/cm2	Chronic exposure to mobile phone pulsed RF significantly reduced sperm count,	Behari, 2006
0.0005 uW/cm2	RFR decreased cell proliferation at 960 MHz GSM 217 Hz for 30-min exposure	Velizarov, 1999
0.0006 - 0.0128 uW/cm2	Fatigue, depressive tendency, sleeping disorders, concentration difficulties, cardio- vascular problems reported with exposure to GSM 900/1800 MHz cell phone signal at base station level exposures.	Oberfeld, 2004
0.003 - 0.02 uW/cm2	In children and adolescents (8-17 yrs) short-term exposure caused headache, irritation, concentration difficulties in school.	Heinrich, 2010
0.003 to 0.05 uW/cm2	In children and adolescents (8-17 yrs) short-term exposure caused conduct problems in school (behavioral problems)	Thomas, 2010
0.005 uW/cm2	In adults (30-60 yrs) chronic exposure caused sleep disturbances, (but not significantly increased across the entire population)	Mohler, 2010
0.005 - 0.04 uW/cm2	Adults exposed to short-term cell phone radiation reported headaches, concentration difficulties (differences not significant, but elevated)	Thomas, 2008
0.006 - 0.01 uW/cm2	Chronic exposure to base station RF (whole-body) in humans showed increased stress hormones; dopamine levels substantially decreased; higher levels of adrenaline and nor-adrenaline; dose-response seen; produced chronic physiological stress in cells even after 1.5 years.	Buchner, 2012
0.01 - 0.11 uW/cm2	RFR from cell towers caused fatigue, headaches, sleeping problems	Navarro, 2003

Power Density (Microwatts/centime	eter2 - uW/cm2) X 10,000 for uW/m2	Reference
0.01 - 0.05 uW/cm2	Adults (18-91 yrs) with short-term exposure to GSM cell phone radiation reported headache, neurological problems, sleep and concentration problems.	Hutter, 2006
0.005 - 0.04 uW/cm2	Adults exposed to short-term cell phone radiation reported headaches, concentration difficulties (differences not significant, but elevated)	Thomas, 2008
0.015 - 0.21 uW/cm2	Adults exposed to short-term GSM 900 radiation reported changes in mental state (e.g., calmness) but limitations of study on language descriptors prevented refined word choices (stupified, zoned-out)	Augner, 2009
0.05 - 0.1 uW/cm2	RFR linked to adverse neurological, cardio symptoms and cancer risk	Khurana, 2010
0.05 - 0.1 uW/cm2	RFR related to headache, concentration and sleeping problems, fatigue	Kundi, 2009
0.07 - 0.1 uW/cm2	Sperm head abnormalities in mice exposed for 6-months to base station level RF/MW. Sperm head abnormalities occurred in 39% to 46% exposed mice (only 2% in controls) abnormalities was also found to be dose dependent. The implications of the pin-head and banana-shaped sperm head. The occurrence of sperm head observed increase occurrence of sperm head abnormalities on the reproductive health of humans living in close proximity to GSM base stations were discussed."	Otitoloju, 2010
0.38 uW/cm2	RFR affected calcium metabolism in heart cells	
0.8 - 10 uW/cm2	RFR caused emotional behavior changes, free-radical damage by super-weak MWs	Akoev, 2002
0.13 uW/cm2	RFR from 3G cell towers decreased cognition, well-being	Zwamborn, 2003
0.16 uW/cm2	Motor function, memory and attention of school children affected (Latvia)	Kolodynski, 1996
0.168 - 1.053 uW/cm2	Irreversible infertility in mice after 5 generations of exposure to RFR from an 'antenna park'	Magras & Zenos, 1997
0.2 - 8 uW/cm2	RFR caused a two-fold increase in leukemia in children	Hocking, 1996
0.2 - 8 uW/cm2	RFR decreased survival in children with leukemia	Hocking, 2000
0.21 - 1.28 uW/cm2	Adolescents and adults exposed only 45 min to UMTS cell phone radiation reported increases In headaches.	Riddervold, 2008

Power Density (Microwatts/centim	neter2 - uW/cm2) X 10,000 for uW/m2	Reference
0.5 uW/cm2	Significant degeneration of seminiferous epithelium in mice at 2.45 GHz, 30-40 min.	Saunders, 1981
0.5 - 1.0 uW/cm2	Wi-FI level laptop exposure for 4-hr resulted in decrease in sperm viability, DNA fragmentation samples placed in petri dishes under a laptop connected via WI-FI to the internet.	with sperm Avendano, 2012
1.0 uW/cm2	RFR induced pathological leakage of the blood-brain barrier	Persson, 1997
1.0 uW/cm2	RFR caused significant effect on immune function in mice	Fesenko, 1999
1.0 uW/cm2	RFR affected function of the immune system	Novoselova, 1999
1.0 uW/cm2	Short-term (50 min) exposure in electrosensitive patients, caused loss of well-being after GSM UMTS cell phone radiation exposure	and especially Eltiti, 2007
1.3 - 5.7 uW/cm2	RFR associated with a doubling of leukemia in adults	Dolk, 1997
1.25 uW/cm2	RFR exposure affected kidney development in rats (in-utero exposure)	Pyrpasopoulou, 2004
1.5 uW/cm2	RFR reduced memory function in rats	Nittby, 2007
2 uW/cm2	RFR induced double-strand DNA damage in rat brain cells	Kesari, 2008
2.5 uW/cm2	RFR affected calcium concentrations in heart muscle cells	Wolke, 1996
2 - 4 uW/cm2	Altered cell membranes; acetycholine-induced ion channel disruption	D'Inzeo, 1988
4 uW/cm2	RFR caused changes in hippocampus (brain memory and learning)	Tattersall, 2001
4 - 15 uW/cm2	Memory impairment, slowed motor skills and retarded learning in children	Chiang, 1989
5 uW/cm2	RFR caused drop in NK lymphocytes (immune function decreased)	Boscolo, 2001
5.25 uW/cm2	20 minutes of RFR at cell tower frequencies induced cell stress response	Kwee, 2001
5 - 10 uW/cm2	RFR caused impaired nervous system activity	Dumansky, 1974
6 uW/cm2	RFR induced DNA damage in cells	Phillips, 1998

Power Density (Microwatts/centin	Meter2 - uW/cm2) X 10,000 for uW/m2	Reference
8.75 uW/cm2	RFR at 900 MHz for 2-12 hours caused DNA breaks in leukemia cells	Marinelli, 2004
10 uW/cm2	Changes in behavior (avoidance) after 0.5 hour exposure to pulsed RFR	Navakatikian, 1994
10 - 100 uW/cm2	Increased risk in radar operators of cancer; very short latency period; dose response to exposure level of RFR reported.	Richter, 2000
12.5 uW/cm2	RFR caused calcium efflux in cells - can affect many critical cell functions	Dutta, 1989
13.5 uW/cm2	RFR affected human lymphocytes - induced stress response in cells	Sarimov, 2004
20 uW/cm2	Increase in serum cortisol (a stress hormone)	Mann, 1998
28.2 uW/cm2	RFR increased free radical production in rat cells	Yurekli, 2006
37.5 uW/cm2	Immune system effects - elevation of PFC count (antibody producing cells	Veyret, 1991
45 uW/cm2	Pulsed RFR affected serum testosterone levels in mice	Forgacs, 2006
50 uW/cm2	Cell phone RFR caused a pathological leakage of the blood-brain barrier in 1 hour	Salford, 2003
50 uW/cm2	An 18% reduction in REM sleep (important to memory and learning functions)	Mann, 1996
60 uW/cm2	RFR caused structural changes in cells of mouse embryos	Somozy, 1991
60 uW/cm2	Pulsed RFR affected immune function in white blood cells	Stankiewicz, 2006
60 uW/cm2	Cortex of the brain was activated by 15 minutes of 902 MHz cell phone	Lebedeva, 2000
65 uW/cm2	RFR affected genes related to cancer	Ivaschuk, 1999
92.5 uW/cm2	RFR caused genetic changes in human white blood cells	Belyaev, 2005
100 uW/cm2	Changes in immune function	Elekes, 1996
100 uW/cm2	A 24.3% drop in testosterone after 6 hours of CW RFR exposure	Navakatikian, 1994
120 uW/cm2	A pathological leakage in the blood-brain barrier with 915 MHz cell RF	Salford, 1994

Recommended Wireless Energy Exposure Levels

Measured in RF Units of	Volts per meter		Microwa	atts per centimeter	squared	
Abbreviation	V/m	BIOINIT	ATIVE	µW/cm²	X 10,000 for	
FCC Safety Level (Thermal)		REPORT		1,000	uW/m2	
August Advises Please Don't Exceed This Level LESS IS BEST	0.98	RECOMI A SAFET		0.5		
Biolnitiative Report from 2007	0.01	of 0.194		0.1		
Building Biology- Sleeping Area Recco for Severe Concern		public s after ex		0.001		
Biolnitiative Report from 2012	0.034	2000 pe reviewe		0.0003		
Austrian Med Assoc. Recco's for EHS patients 4 hrs/day reg exposure		papers!		0.0001 or less		
				48 10	5	6



Q

Physicians for Safe Technology

Note: Building Biologists Extreme Concern for Long Term Exposure

0.614 V/m = 614 mV/m = 1000 μW/m2 = 0.1 μW/cm2

Note: Bioinitiative Limit for No Observable Effects

0.019,4 V/m = 19.4 mV/m = 3-6 μW/m2 = 0.0003-0.0006 μW/cm2

Building Biology Precautionary Guidelines (2015) for Sleeping Areas

Power density	No Concern	Slight Concern	Severe Concern	Extreme Concern
microWatts per square meter µW/m ²	< 0.1	0.1 - 10	10 - 1000	> 1000
microWatts per square cm µW/cm ²	< 0.000,01	0.000,01 - 0.001	0.001 - 0.1	> 0.1
milliWatts per square meter mW/m ²	<0.000,1	0.000,1 - 0.01	0.01 - 1	>1
Signal strength				
Volts per meter V/m	< 0.006,14	0.006,14-0.061,4	0.061,4 - 0.614	> 0.614



TOP

KILDRUM

UBIQUITOUS EMF RADIO FREQUENCY RADIATION -

007

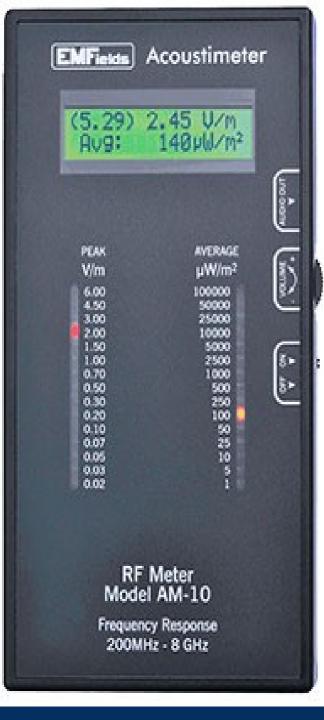
ABRONHILL

CUMBERNAULD

SEAFAR

ADD WIFI IN SCHOOLS, WIFI IN HOMES, MOBILE PHONE EMF RADIATION & IT IS PART OF OUR LIVING ENVIRONMENT - FOR SOME PEOPLE EXPOSURE is 24/7

Ref: <u>unitefortruth.online/wifi%2F-5g-issues</u> Unite For Truth - Community Aware Scotland



TO MEASURE THE EMF RADIATION **AROUND US WE CAN USE AN ACOUSTIMETER & TAKE OUR OWN** READINGS

(ONLY FOR RF RADIATION)

AN ACOUSTIMETER - Natural Background <u>Safe</u> reading at Home: 0.05 peak V/m



LEFT: PEAK HOLD 0.05 V/m

Ref: unitefortruth.online/wifi%2F-5g

Unite For Truth - Community Aware

(FB)

POWERWATCH GROUP SUGGEST A BEDROOM IS 'SAFE' AT NO HIGHER THAN 0.05 VOLTS/m ie 10 microwatts/m2

PEAK V/m 6.00 4.50 3.00 2.00 1.53 1.00 0.70

ssues

cotland

RIGHT UP: PEAK SIGNAL STRENGTH (0.02 V/m)

RIGHT DOWN: AVERAGE POWER (FLUX DENSITY) OF RADIATION (1 uW/m2)

and the second second

Fleming Building Town Centre Cumbernauld (2020)



CARRICKSTONE -Cumbernauld (2020)



PEAK

V/m

6.00

4.50

3.00

2.00

1.50

1.00

0.70

0.50

0.30

0.20

0.10

0.07

0.05

Acoustimeter

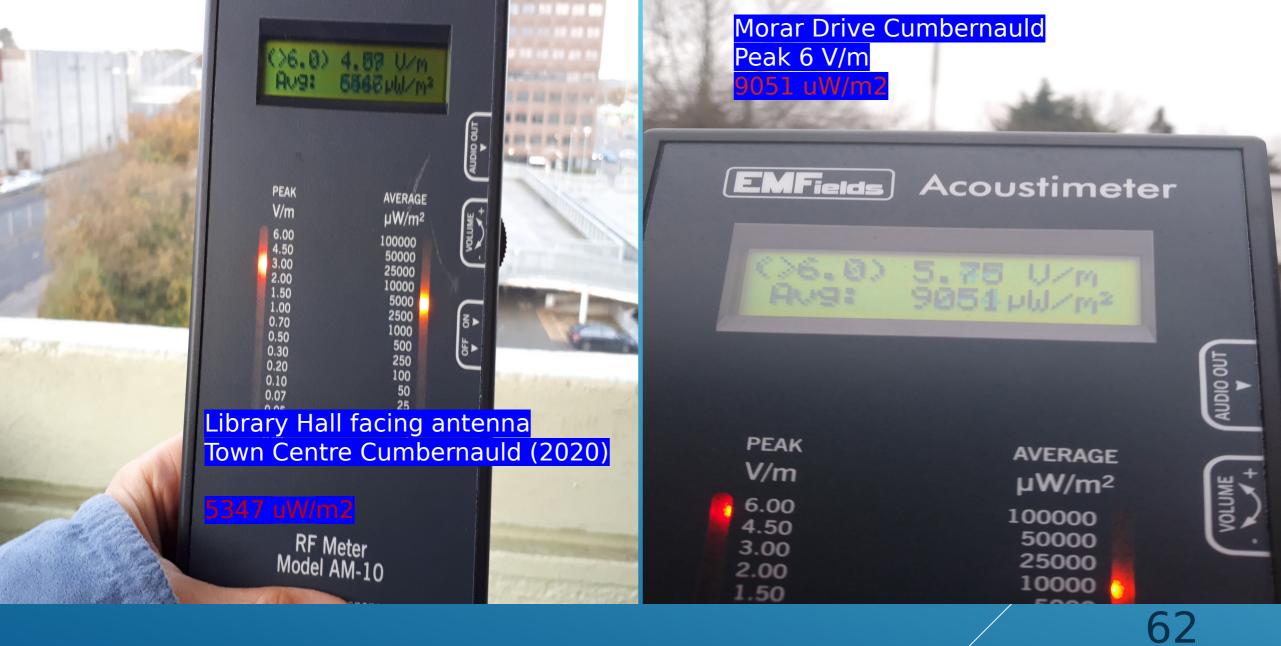
VOLUME

Z>

ЧЧ



Ref: <u>unitefortruth.online/wifi%2F-5g-issues</u> Unite For Truth - Community Aware Scotland (FB)



Train station Cumbernauld (2022)

Ref: <u>unitefortruth.online/wifi%2F-5g-issues</u> Unite For Truth - Community Aware Scotland (FB) PEAK V/m 6.00 4.50 3.00 2.00

1 50

6.0)

AUS

EMFields Acoustimeter

2.50 U/M 2472 UU/M²

AUDIO OUT

OLUME

Z

Town Centre Cumbernauld (2022)

Ref: unitefortruth.online/wifi%2F-5g-issues Unite For Truth - Community Aware Scotland (FB)

DY68 PLD

E

FLEMING HOUSE

EMFields Acoustimeter



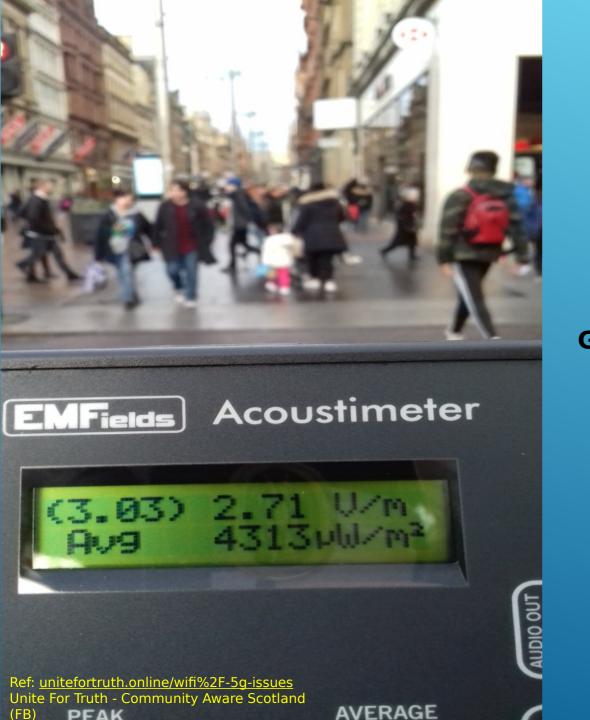
EMFields Acoustimeter (0.35) 0.00 V/m Avg: 1 µW/m² AVERAGE PEAK VOLUME + µW/m² V/m 100000 50000 25000 6.00 4.50 3.00 2.00 1.50 10000 5000 3> 2500 1000 500 250 1.00 0.70 A PF 0.50 0.30 100 0.20 50 25 10 0.07

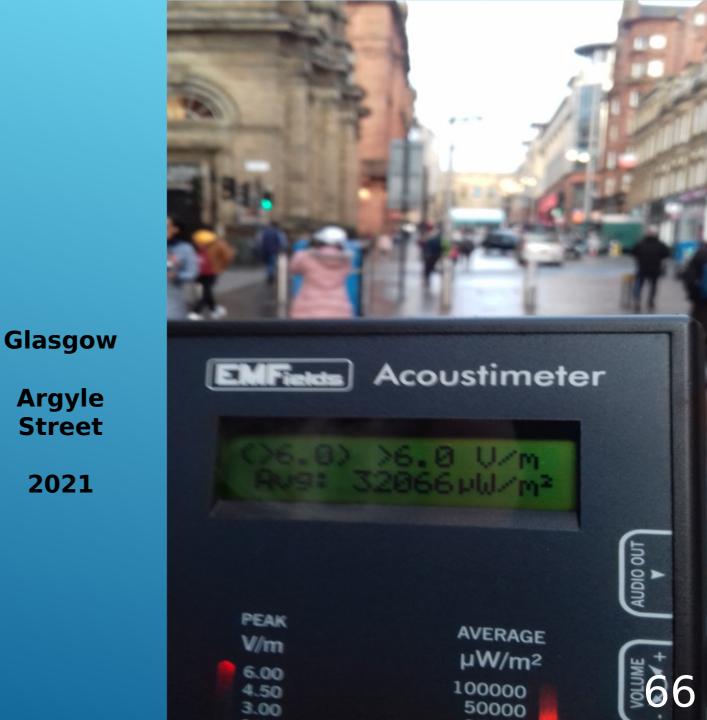
0.05

Glasgow

East area

2021





	LOOK INSIDE! Kindle Book	Print Book Zoom + Help Expanded View
	Magnetobiology: Underlying Physical Problems (Kindle Edition) by Vladimir N. Binhi Kindle Edition £136.32 Buy with 1-Click Deliver To Deliver To Send this sample to your Kindle Try a Sample Book sections Cover Beginning	associated with a doubling of the risk of leukemia in children under 15 years of age. Novikov et al. (1996) report that under certain conditions weak MFs, in contrast, retard the cancer-producing process. The European Journal of Cancer published a paper by Feychting et al. (1995) with the results of extensive long-term studies of cancer in children of Sweden and Denmark. The authors came to the conclusion that their data support the hypothesis of a correlation between the magnetic fields of high-voltage lines and leukemia in children. One of the interested consulting companies has recently issued a comprehensive analysis of the literature on epidemiological investigations concerned with the level of electromagnetic pollution. Their manual, (Sage and Sampson, 1996), contains more than 500 (!) observations and risk assessments related to cancers and pregnancy disorders as a result of exposures to EMFs under household and professional conditions. Twenty percent of the works at the III Congress of the European Bioelectromagnetics Association in 1996 addressed, to some degree or other, the interrelation between cancer incidence and electromagnetic radiations. On the one hand, it is well established that EMFs in certain cases enhance the carcinogenic effect of some detrimental chemical substances and other factors (Wilson et al., 1990). For instance, Juutilainen et al. (1996) found that a 50-Hz MF accelerates the development of skin cancer on exposure to UV radiation. It is well known that an MF changes the activity of melatonin enzyme, which is responsible for the fine regulation of the immune system (Wilson et al., 1981; Cremer-Bartels et al., 1984; Lerchl et al., 1991; Kato et al.,
Born al	LOOK INSIDE! Kindle Book	Print Book Zoom + Help Expanded View
<image/> Ministry Acoustimeter State State State State State State State State State State State State State State State <	Magnetobiology: Underlying Physical Problems (Paperback) by Vladimir N. Binhi Paperback £170.00 Add to Basket 2 used & new from £170.00 Book sections rront Lover Copyright Table of Contents First Pages Index Back Cover Surprise Me!	<text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text>



EMFields Acoustimeter

AVERAGE

 $\mu W/m^2$

100000

50000

PEAK

V/m

6.00

4.50

3.00

OLUME

BIOLOGICAL EFFECT OF MILLIMETER RADIOWAVES

Kiev VRACHEBNOYE DELO in Russian No 3, 1977 pp 116-119

[Article by N. P. Zalyubovskaya, Khar'kov Scientific Research Institute of Microbiology, Vaccines and Sera imeni Mechnikov]

Morphological, functional and biochemical studies conducted [Text] in humans and animals revealed that millimeter waves caused changes in the body manifested in structural alterations in the skin and internal organs, qualitative and quantitative changes of the blood and bone marrow composition and changes of the conditioned reflex activity, tissue respiration, activity of enzymes participating in the processes of tissue respiration and nucleic metabolism. The degree of unfavorable effect of millimeter waves depended on the duration of the radiation and individual characteristics of the organism.

OOK INSIDE! Kindle Book Print Book Magnetobiology: Underlying Physical Problems (Kindle Edition) by Vladimir N. Binhi Kindle Edition £136.32 Buy with 1-Click Deliver To • Send this sample to your Kindle Try a Sample **Book sections** Cover al., 1995; Lacy-Hulbert et al., 1995). Beginning

The correlation of EMFs with cardio-vascular incidences is a subject of many studies. In that respect, also of significance are EMFs of natural origins, specifically the geomagnetic field (GMF). The most extensively studied issue is cancer risks (Wilson et al., 1990; Pool. 1990b; Goodman and Henderson, 1990; Stevens et al., 1997), a topic of hundreds of publications (Nakagawa, 1997). The American Journal of Epidemiology has recently devoted a collection of materials just to one concern - EMFs and brain tumors in children (Preston-Martin et al., 1996). Some works maintain that findings do not support the hypothesis of carcinogenic effects of the magnetic fields of high-voltage lines, electric heaters, and other household appliances (Verreault et al., 1990). Others stress the primitive nature of the techniques used to gauge the results of exposure to magnetic fields, the possible systematic control errors and the preliminary nature of those works, and the need for further discussions (Gurney et

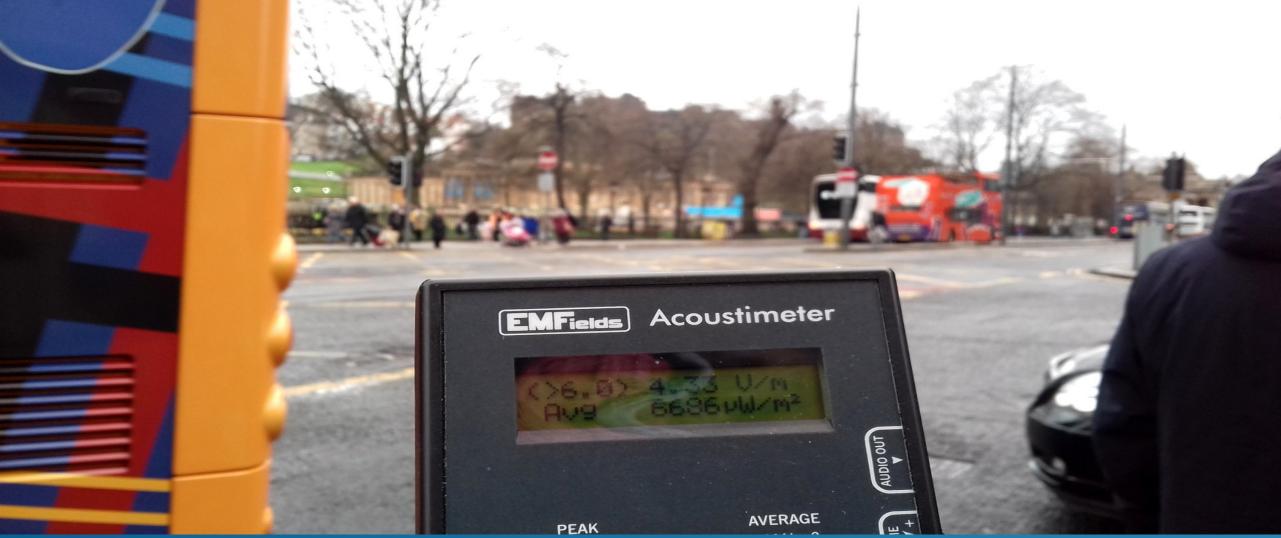
Zoom -

Zoom +

Help | Ex

Long-term exposures to even weak fields are believed to be able to suppress the activity of some clones of the cells of the immune system. thereby impairing the defences of the organism against the multiplication of "foreign" cells (Adey, 1988; Lyle et al., 1988). Another possible mechanism is related to genetic changes induced by an MF (Goodman et al., 1989). There is also evidence that lowfrequency MFs are able to affect the synthesis of some peptides that in the organism play the role of some internal biological signals (Goodman and Henderson, 1988; Novikov, 1994). Coghill (1996) indicated that levels of power-fet al.requency EMFs (both electric and magnetic) near beds of children are 1.3-2 times higher for leukemia cases than for healthy children. Recent studies in the UK (documents³ of the National Radiological Protection Board, 12(1), 2001) provided evidence that relatively heavy average exposures of 0.4 uT or more are associated with a doubling of the risk of leukemia in children under 15 years of age. Novikov et al. (1996) report that under certain conditions weak MFs, in contrast, retard the cancer-producing process.

EDINBURGH – WAVERLY TRAIN STATION AREA (2022)



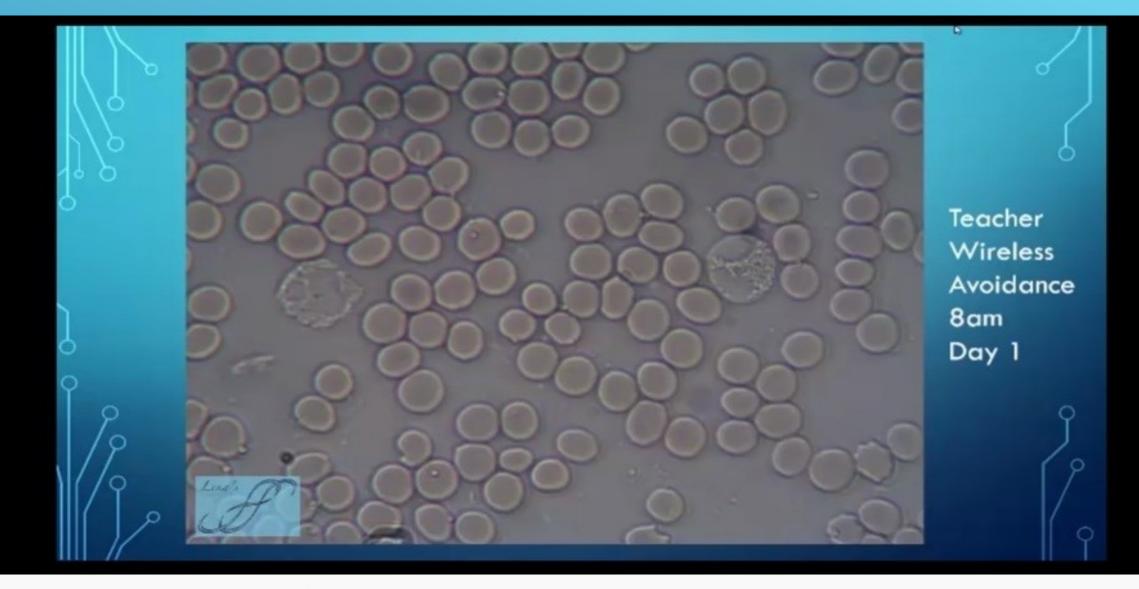
Ref: <u>unitefortruth.online/wifi%2F-5g-issues</u> Unite For Truth - Community Aware Scotland (FB)

EDINBURGH – WAVERLY TRAIN STATION AREA – PRINCESS STREET (2022)



Ref: <u>unitefortruth.online/wifi%2F-5g-issues</u> Unite For Truth - Community Aware Scotland (FB)

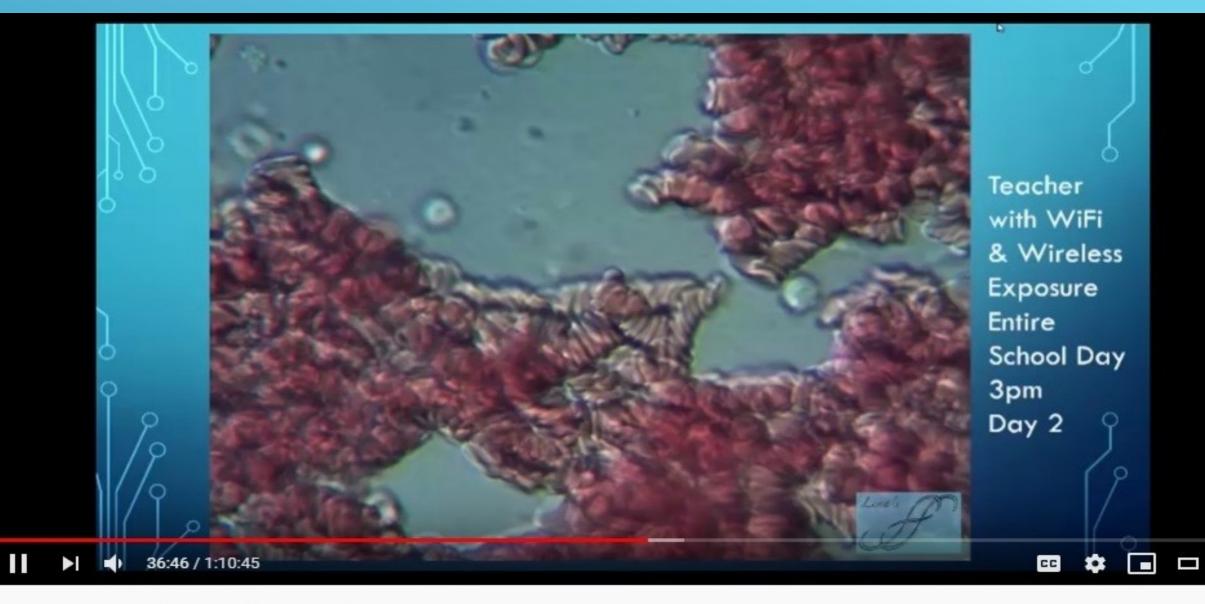
LENA PU'S WIFI EXPERIMENT (2019)



5G: Health Risks, Surveillance and BioWeaponry - Lena Pu (Sept 2019)

SHOW CHAT DEDLAV

LENA PU'S WIFI EXPERIMENT (2019)



5G: Health Risks, Surveillance and BioWeaponry - Lena Pu (Sept 2019)

23

LENA PU'S WIFI EXPERIMENT (2019)



Teacher 8am Before School Wireless Exposures

Teacher 3pm After School Wireless Exposures



Teacher with WiFi & Wireless Exposure School Day

5G: Health Risks, Surveillance and BioWeaponry - Lena Pu (Sept 2019)

Symptoms





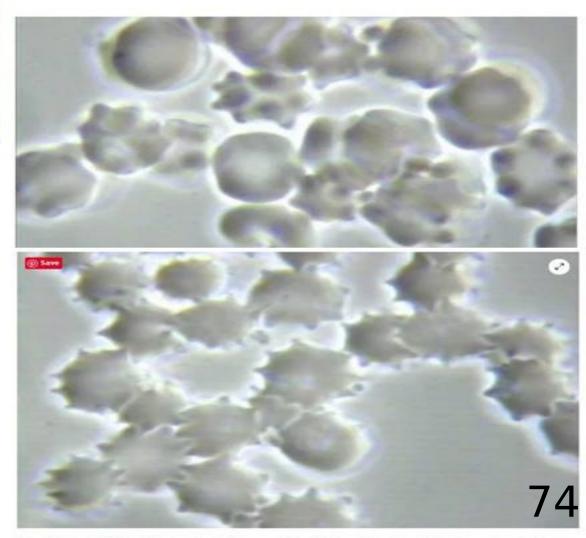
- ✓ poor circulation √ Lower oxygen transport V reduced waste removal √ diabetes mellitus √ stroke
- √ myocardial infarction ✓ Alzheimer disease . . .

Prof. Magda Havas

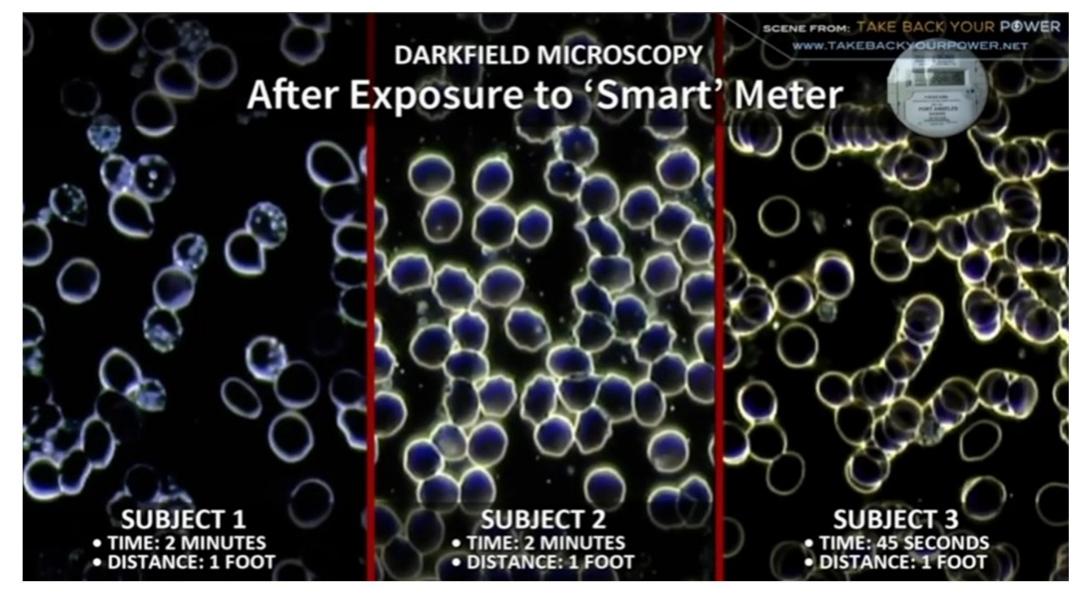
- ➡ headache, fatigue
- ➡ difficulty concentrating
- numbress, tingling, cold extremities
- → heart & blood pressure problems . . .

The Corona Effect and Spike Protein Effect

The Endogenously Created "Corona Effect" and "Spike Protein" ARE Caused by Chemical, Parasitical and Radiation Poisoning from Reduced Graphene Oxide and Microwave Radiation![12][82][83]



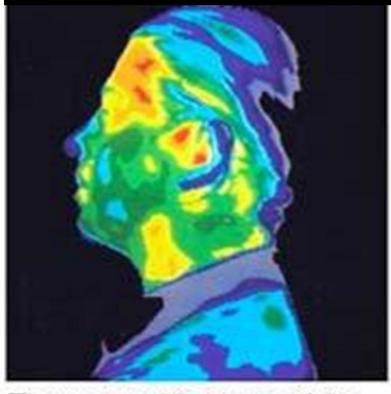
[Figure 25 Shows The Corons Effect" and the the Endogenous Birth of S1 Protein Solkes Caused by Radiation and Chemical Poisoning or What I Cell The "Protein Spiking Effect". Dr. Robert O. Young, Hikari Omni Publishing, 1987 - 2021. [83]]



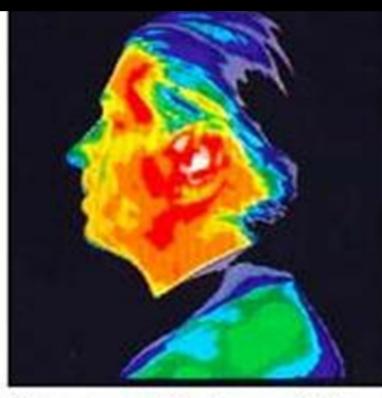
More about Smart meters, the high risk of fire, hacking and health damage, the increased bills of many beneficiaries and the corporate and government corruption (US) leading to an attack on human rights in the name of "smart" and "green" in this awarded documentary fromJosh Del Sol. LIVE BLOOD ANALYSIS shows the damage in real time, after exposure to an Smart Meter. To learn about Smart Meters and their effect on health and privacy please see: WHY STOP SMART METERS? https://stopsmartmeters.org/why-stopsmart-meters/ SMART GRID AWARENESS https://smartgridawareness.org/ SMART METERS http://www.eiwellspring.org/smartmeter.html

TAKE BACK YOUR POWER Documentary https://youtu.be/2uMfx-FsJiE

Emfcall.org5Gexposed.comemfacademy.comelectricsense.comscientists4wiredtech.comEhtrust.orgBioinitiative.org5ginformation.netsafemr.comWhatis5g.infomdsafetech.orgwearetheevidence.com



Thermographic Image of the head with no exposure to harmful cell phone radiation.



Thermographic Image of the head after a 15-minute phone call. Yellow and red areas indicate thermal (heating) effects that can cause negative health effects. <u>Dr. Beverly Rubik,</u> Ph.D. in Biophysics from UC-Berkeley: performed experiments on human blood samples showing that the structure of blood cells is damaged and microcirculation compromised only after carrying a 4G phone in the backpack for 45 minutes, and this increases

<u>Dr. Seungmo Kim,</u> from Georgia Southern University calculated that SAR (specific absorbtion rate – a measure of radiation impact upon the body) would be 30 times higher with 5G than with the current 4G.

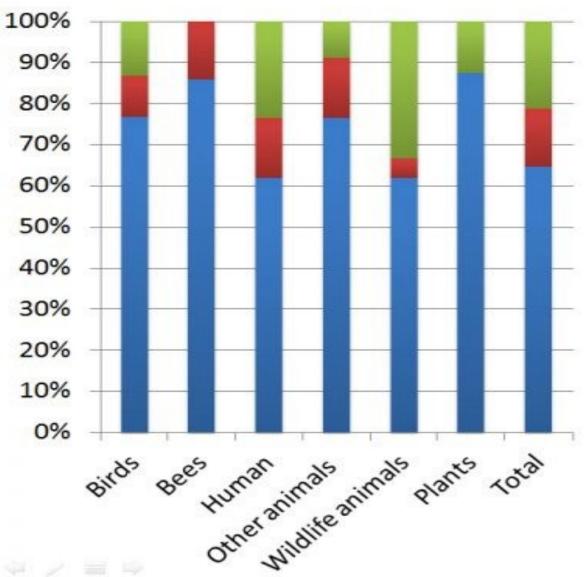
6/

dramatically after using the phone for calling or browsing on the Internet.

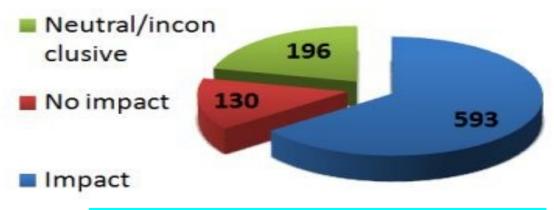
5 GRAPHS SHOWING THE DIFFERENCES BETWEEN INDUSTRY FUNDED RESEARCH **AND INDEPENDENT SCIENTIFIC RESEARCH**

Ref: <u>unitefortruth.online/wifi%2F-5g-issues</u> Unite For Truth - Community Aware Scotland (FB)

EMF Adversely Affects All Species Studies Showing "No Effect" Occupy only 14%



Number of research studies on EMF impacts collected and collated based on study subjects and results (Rahmani et al. 2011).



2011 Graph from USA Physicians group

65% Impact 21% Inconclusive 14% No Impact

Total 919 studies

Industrial Support of Cell Phone Research

Funding	Effect	No Effect	Total
Industry	27 (32%)	57 (68%)	84
Non-industry	96 (70%)	41 (30%)	137
Total	123 (56%)) 98 (44%)	221

$X^2 = 28.83 (p < .001)(1/27/05)$ (Compiled by Prof. Henry Lai, Univ. Washington)

Ref: <u>unitefortruth.online/wifi%2F-5g-issues</u> Unite For Truth - Community Aware Scotland (FB)

Radiofrequency Research: Does Funding Matter?

Non-industry studies

HARMFUL EFFECT: 70%

NO EFFECT:

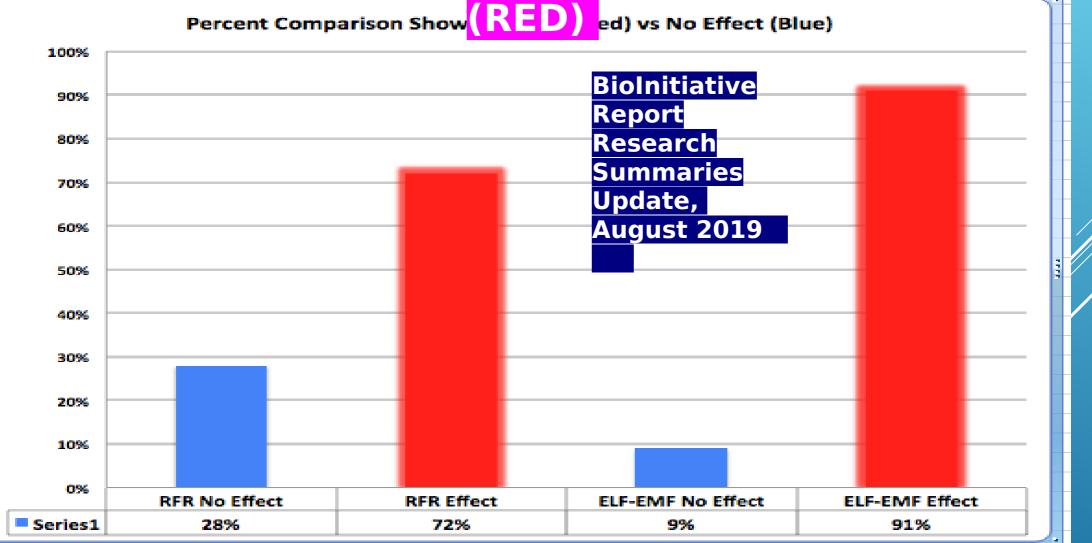
Ref: <u>unitefortruth.online/wifi%2F-5g-issues</u> Unite For Truth - Community Aware Scotland (FB) HARMFUL EFFECT: 32%

NO EFFECT:

(m157)

80

Of 540 scientific studies done into Neurological effects by EMF, including industry funded research, the results show that most studies prove HARMFUL NEUROLOGICAL EFFECTS



81

Protecting Children From Non-Jonising Radiation in Schools. Speaker Dr. Erica M.



Watch later Share

Oxidative Stress

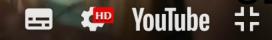
216 / 242 Studies significant OS

216:26 89% show biological disruption

Oxidative Stress Found
 Oxidative Stress Not Found

MORE VIDEOS





Protecting Children From Non-Ionising Radiation in Schools. Speaker Dr. Erica Oxidative Stress Systemic ратнорнуя SYSTEMIC PATHOPHYSIOLOGY OF

Eyes: macular degeneration, retinal degeneration, cataracts

> Lung: Asthma, COPD, allergy,

Immune: autoimmune disorders, chronic inflammation

> Vascular: endothelial dysfunction, atherosclerosis

> > 1:42 / 54:54

MORE VIDEOS

osteoarthritis, psoriasis OIN COMMUNITY AWARE SCOTLAND ON FACEBNOOK AND OUR WEBSITE OF THE SAME NAME

OXIDATIVE STRESS LEADS TO THE FOLLOWING:

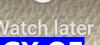
Brain: migraine, autism, ADHD, MS, ALS, Parkinson's, Alzheimer's, stroke, cancer

Heart: MI, heart failure, fibrosis, hypertension

> Skin: aging, dermatitis, psoriasis, melanoma

Multisystemic: cancers, lupus, diabetes, Chronic Fatigue Syndrome, Electromagnetic Hypersensitivity, aging





Share

"The scientific evidence clearly shows that microwave radiation at levels well below [international] guidelines...with Wi-Fi routers causes CANCER in laboratory animals, causes HEART PALPITATIONS in sensitive adults, causes REDUCED SPERM MOTILITY AND VIABILITY, and is associated with symptoms of electrosensitivity that include but are not limited to - cognitive dysfunction, pain, fatigue, mood disorders (depression, anxiety, irritability), dizziness, nausea, weakness, skin problems, and tinnitus."

- Dr. Magda Havas, Professor of Environmental & Resource Studies



Emfcall.org (Scientists appeal to WHO and UN)5Gexposed.comemfacademy.comscientists4wiredtech.comEhtrust.orgBioinitiative.org5ginformation.netsafemr.comWhatis5g.infoscientists4wiredtechn.orgmdsafetech.orgmystreetmychoice.orgelectricsense.comwearetheevidence.com

Symptoms of Microwave Illness

https://www.microwavedvets.com

Headaches	Difficulty Concentrating	Tinnitus	
Dizziness	Memory Loss	Hearing Loss	
Nausea	Brain Damage	Irregular Sleep Pattern	
Skin Rash	Mood Disorder	Insomnia	
Itchy Skin	Personality Disorder	Chronic Fatigue	
Burning Skin Sensation	Increased Irritability	Deteriorating Vision	
Tingling Sensation	Decreasing Trust in People	Pressure in/behind eyes	
Tremors	Depression	Eye Damage	
Muscle Spasms	Anxiety	Cataracts	
Muscle and Joint Pain	ADHD/ADD	Immune Abnormalities	
Restless Leg Syndrome	Digestive Issues	Altered Sugar Metabolism	
Foot Issues	Abdominal Pain	Asthma Attacks	
Low/High Pressure	Enlarged Thyroid	Bronchitis	
Facial Flushing	Hair Loss	Pneumonia	
Dehydration	Testicular/Ovarian Pain Low	Inflamed Sinuses	
Body Metals Redistribution	Sperm Motility	Chest Pain/Pressure	
Leukemia	Miscarriage	Heart Arrhythmia	
Lymphoma	Electromagnetic Sensitivity	Heart Palpitations	

SO HOW IS **BIOLOGICAL HARM** CAUSED BY EMF RADIATION ACCORDING TO **SCIENTISTS?**



Unite For Truth - Community Aware Scotland (FB)

Prof. Martin Pall - Cellular Effects of Wi-fi and 5G via VGCC. LOWERED TERTILITY (18 different reviews).

Changes in structure of testis, ovaries; lowered sperm count, quality; lowered number of follicles (eggs), increased spontaneous abortion, lowered levels of each of the 3 sex hormones, lowered libido

Neurological/Neuropsychiatric effects (25 reviews)

Insomnia, fatigue, depression, headache, lack of concentration/cognitive dysfunction, anxiety/stress agitation, memory dysfunction, etc. Major changes in brain structure seen in animals.

Cellular DNA damage, 3 types (21 reviews) Single & double DNA breaks, oxidized bases (8-HOdG); cause both cancer and germline mutations

Apoptosis, programmed cell death (13 reviews) Lead to both reproductive and neurodegenerative effects

Oxidative stress, free radical damage (19 reviews)

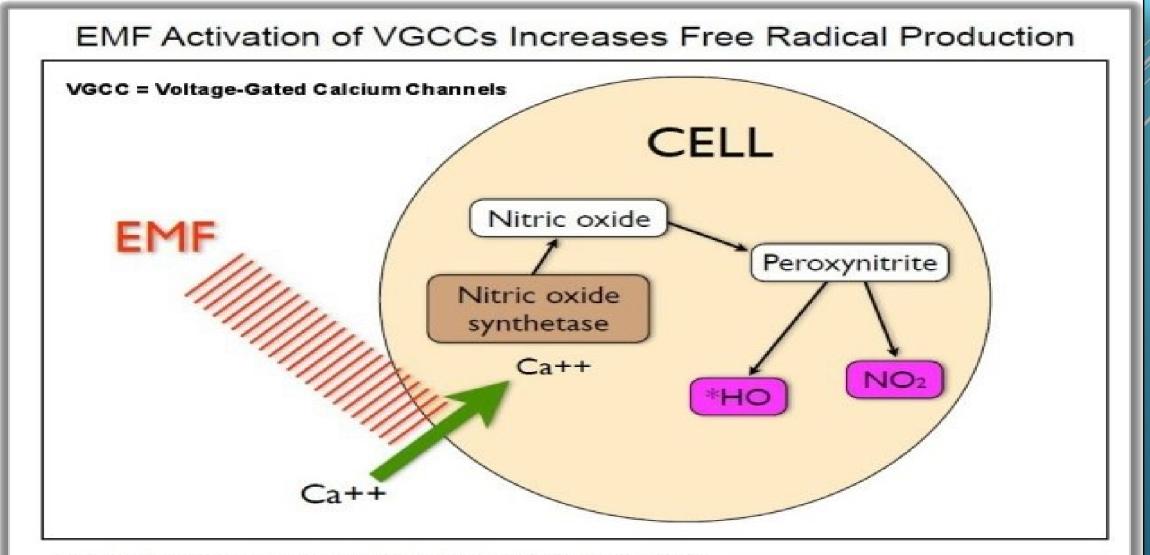
PROF MARTIN PALL'S OWN SLIDES Endocrine (hormonal effects) (12 different reviews). Both non-steroid and steroid hormones systems affected; in some cases EMFs can produce both increased and decreased hormone activity under different conditions.

Excessive intracellular calcium [Ca2+]i (15 reviews) This is, as you will see, is the cause of almost everything else.

Cancer (35 reviews) Increases initiation of carcinogenesis, tumor promotion and progression, including increased tissue invasion and metastasis

Pulsed EMFs are, in most cases much more biologically active than are non-pulsed, continuous wave EMFs (13 reviews). <u>Because all</u> wireless communication devices communicate via pulsations, they are potentially and I believe actually much more dangerous.





Peroxynitrite produces free radicals, including hydroxyl radical and NO2.

This increase in free radicals then leads to inflammation, oxidant stress, and damage to cell structures, including DNA.

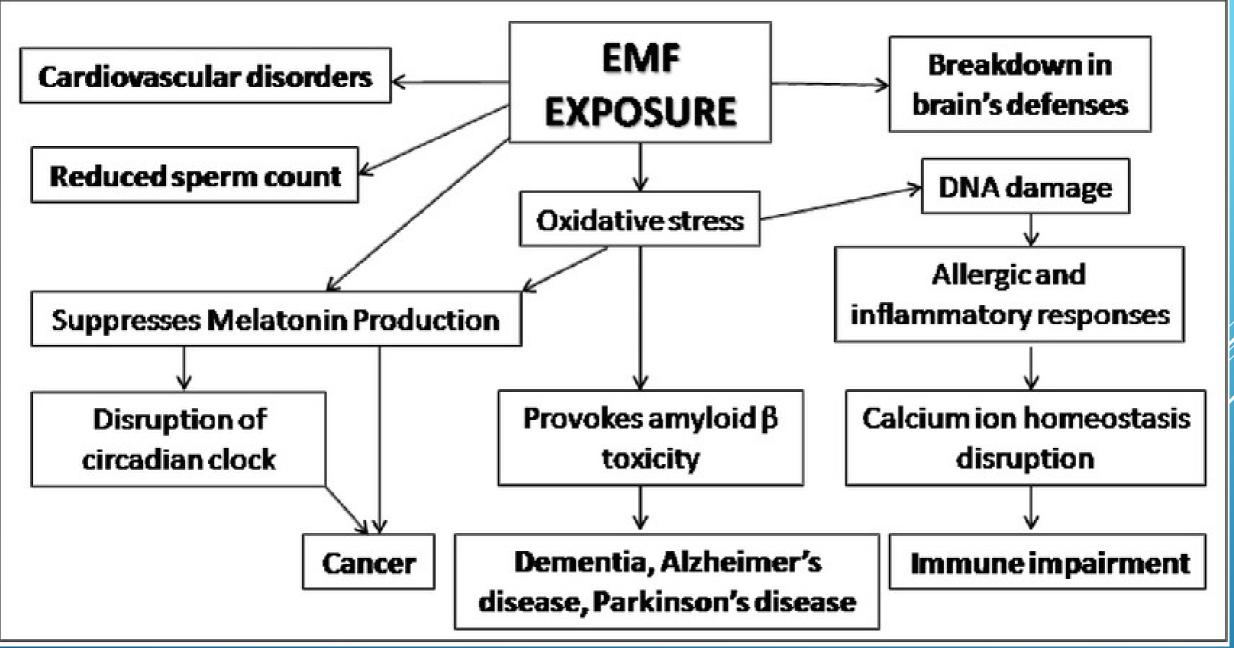
The EMF doesn't directly damage the cell. It just deranges cellular metabolism.



90

The free radicals that are produced by this change in metabolism are what causes the damage.

Source: Presentation Materials of Dr. Paul Dart, July 23, 2013, before a special session of the Eugene Water and Electric Board.



Electromagnetic fields may act via calcineurin inhibition to suppress immunity, thereby increasing risk for opportunistic infection: Conceivable mechanisms of action



P.R. Doyon^{a,*}, O. Johansson^b

^a Doyon Independent Research, 1428 7th Ave., Santa Cruz, CA 95062, United States ^b The Experimental Dermatology Unit, Department of Neuroscience, Karolinska Institute, 171 77 Stockholm, Sweden

ARTICLE INFO

Article history: Received 15 February 2017 Accepted 30 June 2017

Keywords: Electromagnetic fields (EMF) Reactive oxygen species (ROS) Calcineurin Calcineurin inhibitors Immunosuppression Opportunistic infections

Y

ABSTRACT

While a good number of studies have demonstrated that modern, man-made ambient electromagnetic fields can have both stimulatory and inhibitory effect on immune system function, the precise mechanisms have yet to be completely elucidated. It is hypothesized here that, depending on the parameters, one of the means by which long-term electromagnetic field exposure has the potential to eventually lead to immunosuppression is via downstream inhibition of the enzyme calcineurin — a protein phosphatase, which activates the T-cells of the immune system and can be blocked by pharmaceutical agents.

Calcineurin is the target of a class of pharmaceuticals called calcineurin inhibitors (e.g., cyclosporine, pimecrolimus and tacrolimus). When organ transplant recipients take such pharmaceuticals to prevent or suppress organ transplant rejection, one of the major side effects is immunosuppression leading to increased risk of opportunistic infection: e.g., fungal, viral (Epstein-Barr virus, cytomegalovirus), atypical bacterial (Nocardia, Listeria, mycobacterial, mycoplasma), and parasitic (e.g., toxoplasmosis) infections.

Frequent anecdotal reports, as well as a number of scientific studies, have shown that electromagnetic field exposures may indeed produce the same effect: a weakened immune system leading to an increase in the same or similar opportunistic infections: i.e., fungal, viral, atypical bacterial, and parasitic infections.

Furthermore, numerous research studies have shown that man-made electromagnetic fields have the

THE MOST VULNERABLE GROUPS TO BIOLOGICAL HARM FROM EMFs ARE PREGNANT WOMEN AND FOETUS, THE YOUNG AND ELDERLY OR PEOPLE WITH AN EXISTING CHRONIC ILLNESS EXPOSED FOR A CONSIDERABLE PERIOD OF TIME TO EMF RADIATION.

REMEMBER THAT I.C.N.I.R.P. SAFETY LEVELS ARE BASED ON <u>MINUTES</u> OF EXPOSURE!

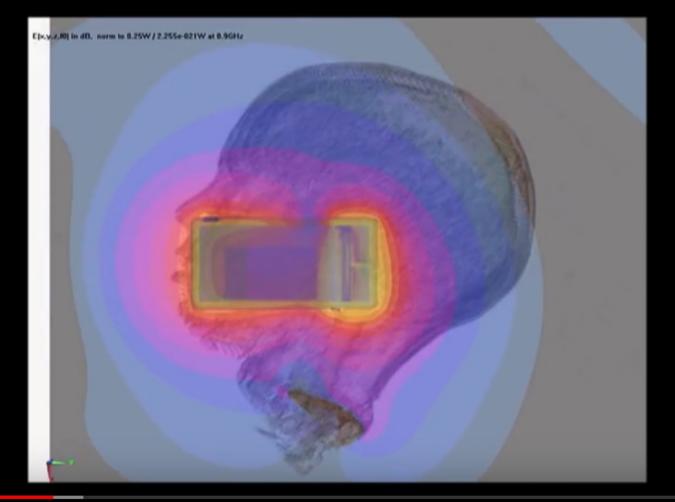
MANY PEOPLE USE LAPTOPS, MOBILES AND SO ON FOR MANY HOURS AND MAY BE IN SCHOOL OR WORK WHERE THEY ARE EXPOSED FOR SEVERAL HOURS BEFORE ADDING TO THIS AT HOME IF THEY USE WIFI OR THEIR MOBILE.

EXPOSURE LEVELS HAVE GROWN MASSIVELY SINCE 1998 -SOME PEOPLE ARE EXPOSED ALMOST 24/7 WITH WIFI IN THEIR HOMES

OR IF THEY LIVE CLOSE TO A BASE ANTENNA

Ref: <u>unitefortruth.online/wifi%2F-5g-issues</u> Unite For Truth - Community Aware Scotland

Modeled microwave radiation dose of six-year old showing greater levels to frontal and temporal lobes, eyes and cheek, extending into brainstem







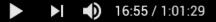
🖃 🦛 🗄

94

3-D modeling of dose at target tissue infant exposure

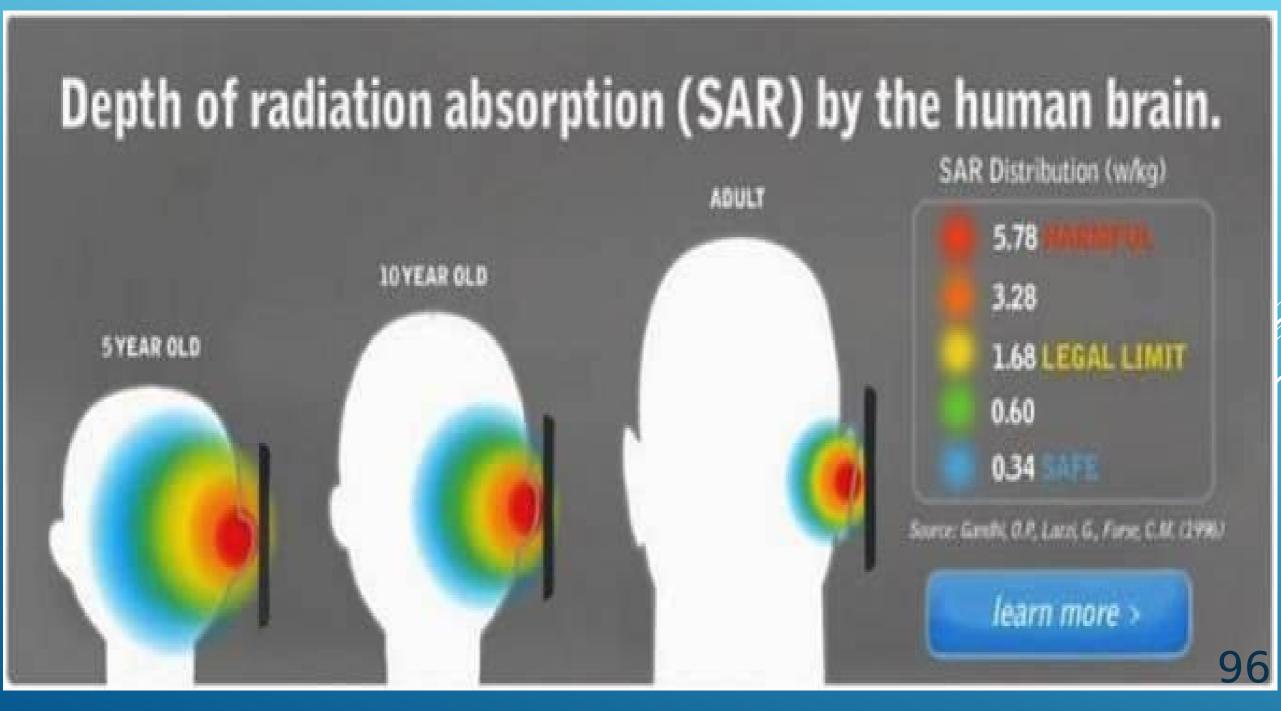


95



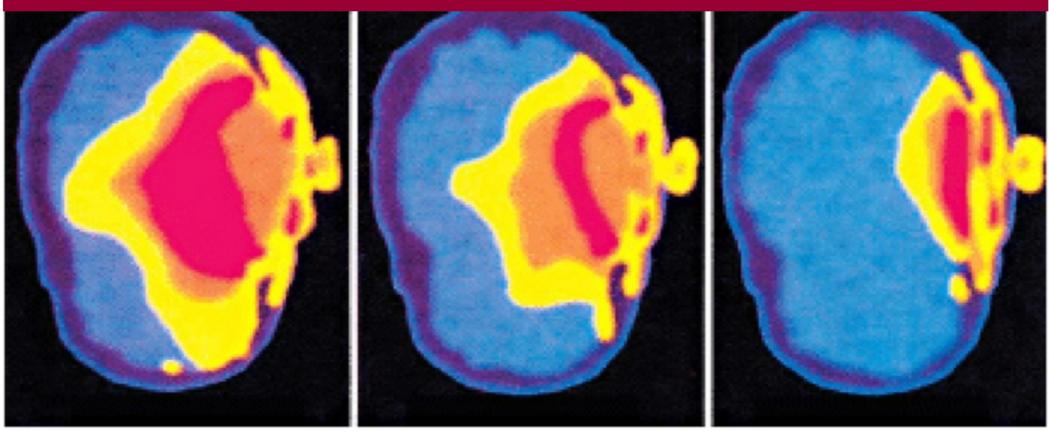


X.



Microwave Cellphone Effects Absorption in the Brain According to Age

Emfcall.org (Scientists appeal to WHO and UN) 5Gexposed.com emfacademy.com scientists4wiredtech.com Ehtrust.org Bioinitiative.org5ginformation.net safemr.com Whatis5g.info mdsafetech.org electricsense.com wearetheevidence.com



5 Year Old10 Year OldAdultImage courtesy of Dr. Om Gandhi, University of Utah, 1996, IEE Publication

Emfcall.org (Scientists appeal to WHO and UN) 5Gexposed.com emfacademy.com scientists4wiredtech.com Ehtrust.org Bioinitiative.org 5ginformation.net safemr.com Whatis5g.info mdsafetech.org electricsense.com wearetheevidence.com

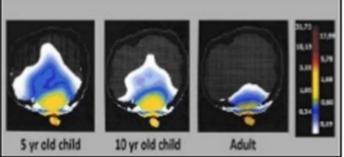
The Brain and Wireless Radiation

Children's Risk of ADHD, Autism and Neurological Problems

EMF/RFR from wifi and cell towers can exert a disorganizing effect on the ability to learn and remember Can also be destabilizing to immune and metabolic function

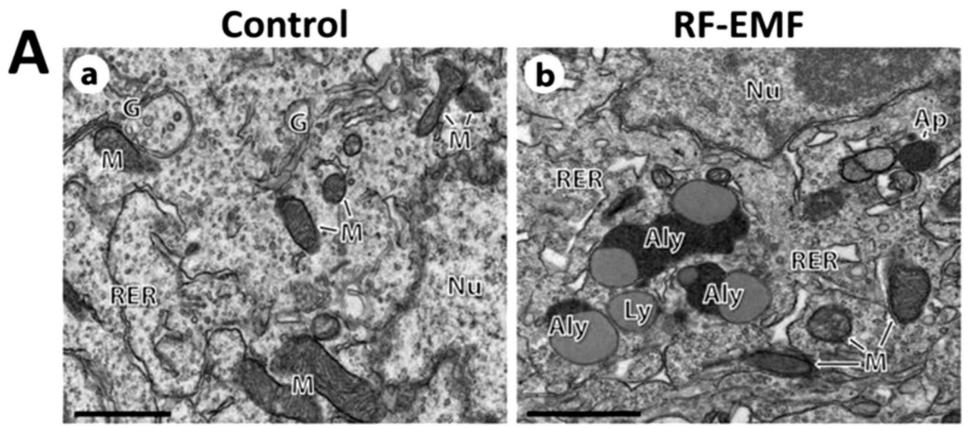
-Martha Herbert MD, pediatric neurologist, Harvard Medical School





Wi-fi is already being removed from schools worldwide. For ex. <u>Cyprus, France, Belgium</u>, Canada and <u>Israel</u> have banned olr severely restricted Wi-Fi in classrooms for young children and/or reduced radiation exposure.

Figure 5: Representative TEM images showing the autophagy in the neuronal cell body of the cerebral cortex following chronic RF-EMF exposure.



Autophagy (or autophagocytosis) (from the Ancient Greek $\alpha \delta \tau \delta \phi \alpha \gamma \circ \zeta$ autophagos, meaning "self-devouring" and $\kappa \delta \tau \circ \zeta$ kýtos, meaning "hollow") is the natural, regulated mechanism of the cell that removes unnecessary or disfunctional components. It allows the orderly degradation and recycling of cellular components.

by Geoffrey Lean

ENTY of children these days are so obsessed with having internet access that

<text><text><text><text><text><text><text><text>

<text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text>

ndiation as well as receiving the second sec

As more countries ban it from the classroom ...

ving

HANCE

Worldwide schools and governments are taking action to reduce levels of wireless and electromagnetic radiation in schools. Wireless exposures in schools come from cell phones, Wi-Fi, 5G virtual reality, and nearby cell towers/antennas. In addition, schools now have wireless security and equipment networks that create wireless exposures. FRANCE, CYPRUS, BELGIUM, ISRAEL, FRENCH POLYNESIA, CITIES WORLD-WIDE have banned or restricted WiFi and cell phone usage in schools, kindergardens, nurseries. IT CAN BE DONE!... https://ehtrust.org/schools-worldwide-removing-wifi-reducing-

plo

year

3

plo

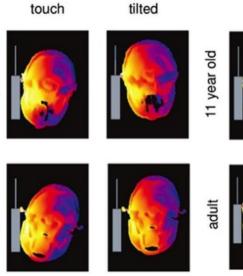
year

9

Brighteon Films

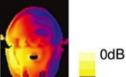
Page 17

Brighteon.com SAR Distribution in the Head Models at 900MHz

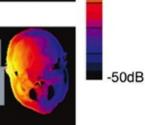




touch



tilted



ENVIRONMENTAL

Andreas Christ, 2012

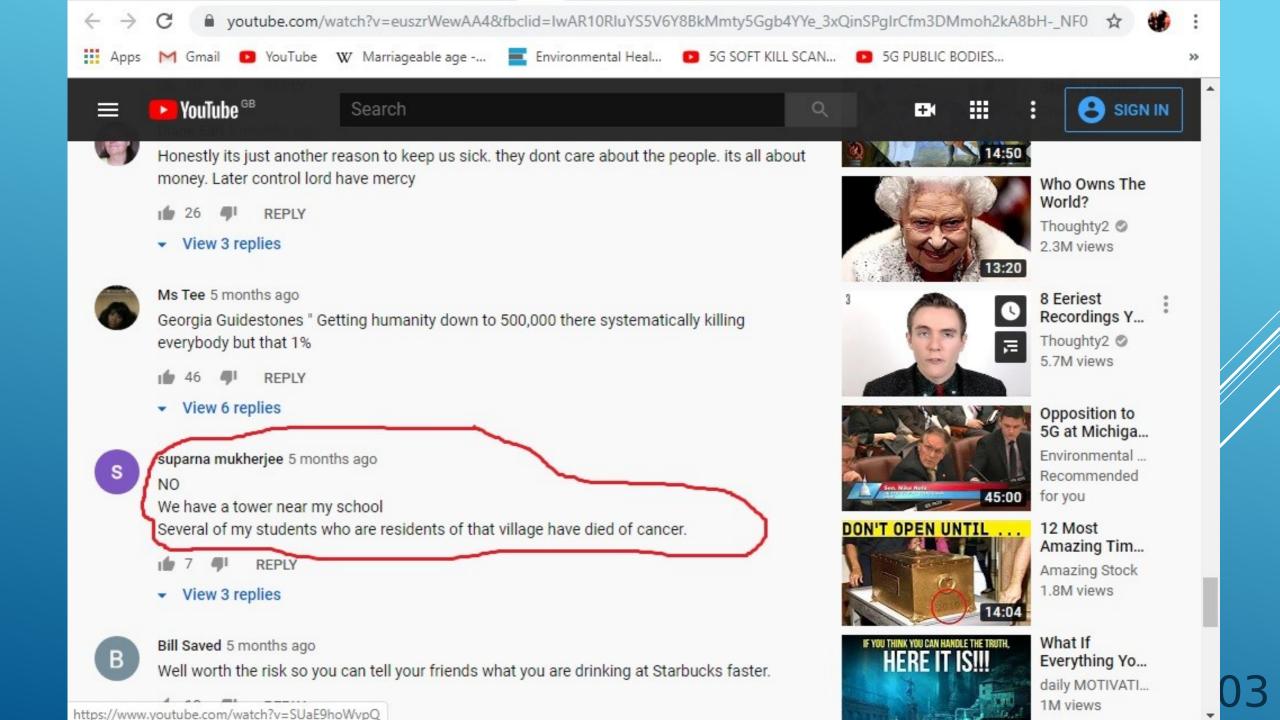
The British Brain Tumour Charity states that brain tumours are the biggest killer of children and adults under 40. Over 5000 people die each year in the UK due to brain tumours. Prof Miller of the USA believes there is an epidemic of brain tumors already started that has to be stopped by protecting young people from EMF radiation devices.

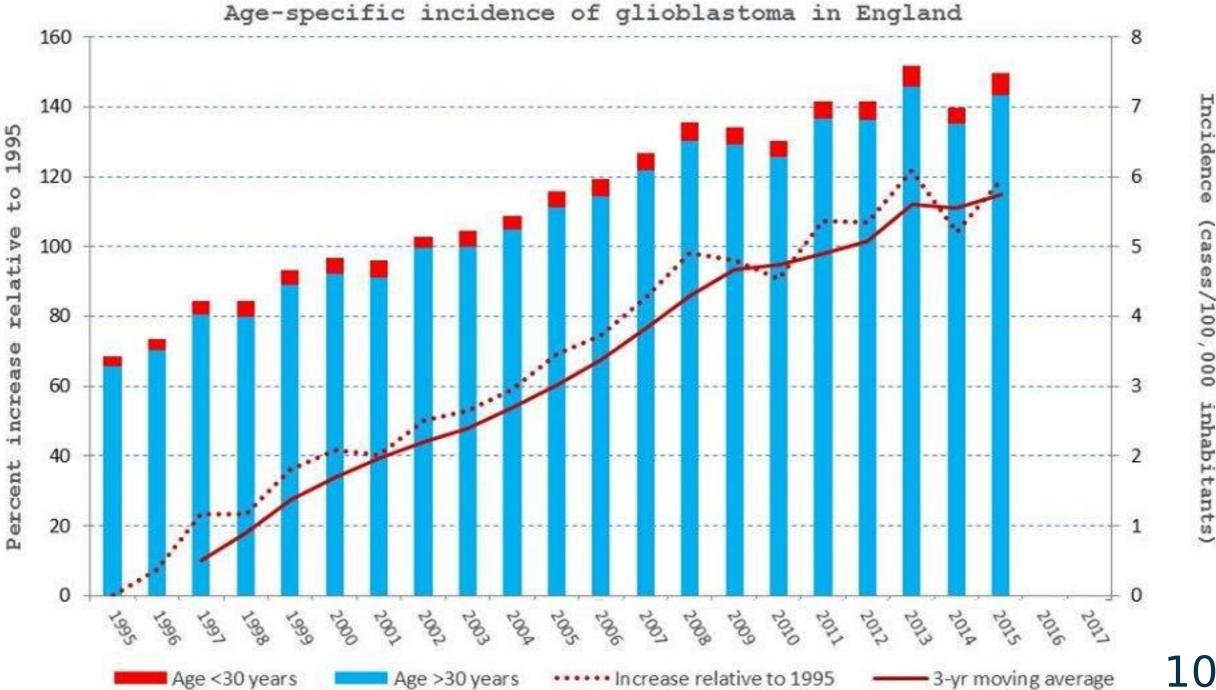


[Press release] Brain cancers : 4 times more new cases of glioblastoma in 2018 according to Public Health France



In July 2019 (updated in September 2019), the French Public Health Agency "Santé Publique France", together with the Francim cancer registries, the Hospices Civils de Lyon and the Institut National du Cancer, published national estimates of cancer incidence and mortality in metropolitan France between 1990 and 2018. These are based on the modeling of observed incidence data (new cases) until 2015 by cancer registries, supplemented by projections until 2018.



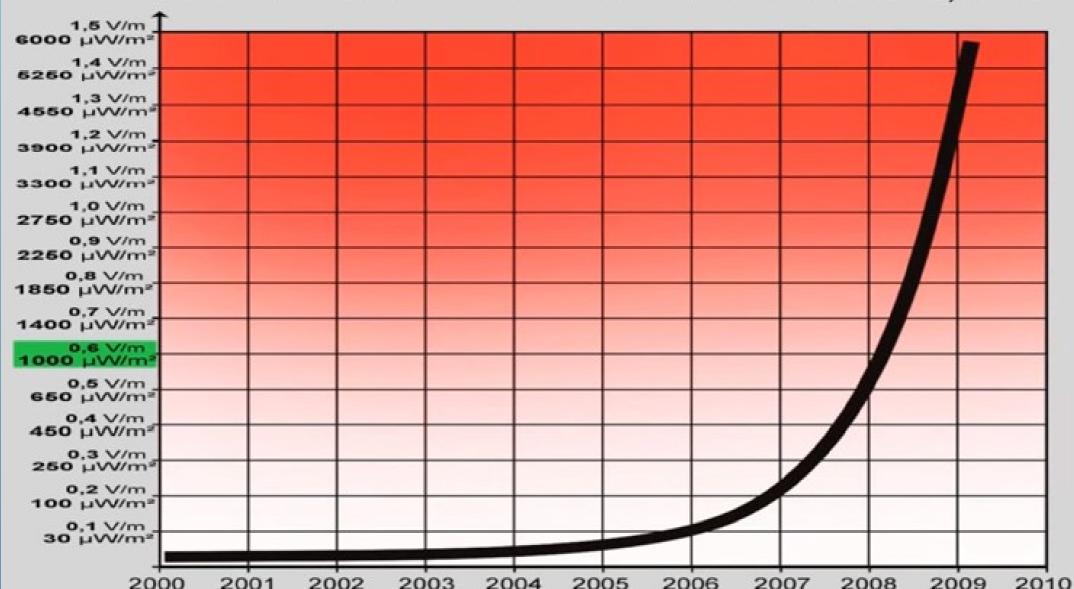


(cases/100,000 inhabitants)

104

artificial HF microwave radiation from 900 MHz - 2.5 GHz

Valeur moyenne constatée en milieu urbain de l'irradiation artificielle HF micro-onde de 900 MHz - 2,5 GHz



105

Protecting Children From Non-Ionising Radiation in Schools. Speaker Dr. UK Chief Medical Officers Advise

 "that children and young people under 16 should be encouraged to use mobile phones for essential purposes only, and to MORE VIDEOS p calls short"

IF MOBILES ARE 📌 **'SAFE' WHY IS THE** NHS CHIEF MEDICAL OFFICER SAYING KIDS SHOULD USE PHONES LESS AND LESS? - ADVICE **NOT GIVEN TO** PARENTS! 'But the only known effect of radio waves on the human body

is a very small

temperature of

NHS 4 YouTube 106

up to 0.2C'.

rise in

29:34 / 54:54



Case Reports - 21 yr old multi-focal tumors tied with cellphones kept in bra

3D DYN 20CC OPTIMARK Img: (28/56) T: (2/5) Ax: H 0.7 cm 512 x 512

Mag: 1.00 x

R

3.00 mm GR TR: 6 TE: 1 TI: 40 FA: 10 20CC OPTIMARK W: 453 L: 226 21 years, 2/25/1991 F 40349 Conter 12/13/2012 2:04:01 F

10 cm

108

DFOV: 40.3 × 27.8 ((L5.6,A13.9,H7.3) in mm 0 = :

John West et al

LOW SPERM COUNT,INFERTILITY AND POSSIBLE TESTICULAR CANCER FOR MEN

Ref: <u>unitefortruth.online/wifi%2F-5g-issues</u> Unite For Truth - Community Aware Scotland (FB) Your future is in your hands

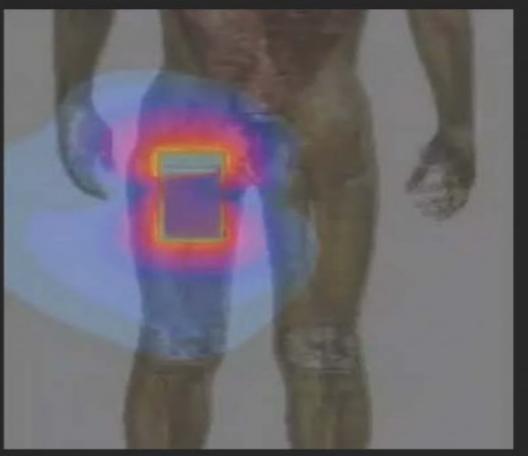
Medical experts are warning men not to keep their mobile phones in their pockets as this can have a direct effect

SAV

M/J

MOBILE PHONE WHILE ON MOBILE DATA/ WIFI/ BLUETOOTH IN YOUR POCKET WILL IRRADIATE YOU

Mobile Phone in Pocket Exposes Reproductive Organs and Bone Marrow



USE OF A MOBILE PHONE ON YOUR KNEE OR A LAPTOP COMPUTER VIA WIFI OR AN IPAD WITH DIRECT DATA ACCESS VIA SATELLITE WILL IRRADIATE YOUR LEGS AND PRIVATE AREAS AND **IF DONE FOR YEARS CAN RISK DAMAGE TO YOUR** HEALTH

particularly

CANCERS OF THE

IRRADIATED ORGANS!





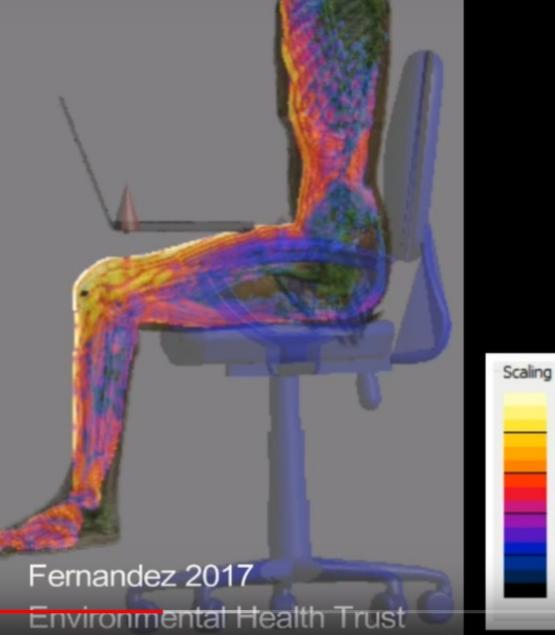
Recommendations to the Department of Education on School Wi-Fi: Advisory Council: MD State

2.45 GHz (Wi-Fi) 34 Year Old Male Notebook on Lap

MORE VIDEOS

- D

4:50 / 10:36



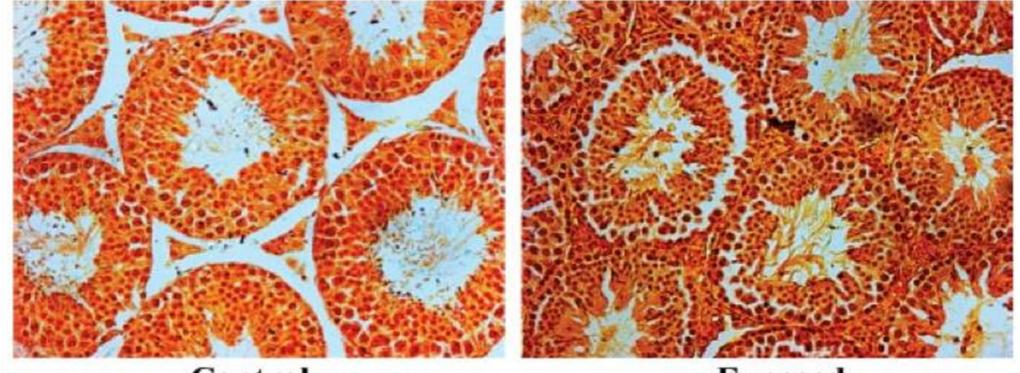
10 V/m 3.16 V/m 1 V/m 0.32 V/m 0.1 V/m 112 32 mV/m YouTube HD ===

Watch later

Share

Microwave radiation impairs male reproduction

Increased i-NOS immunostaining in the spermatogonial cells of seminiferous tubules



Control



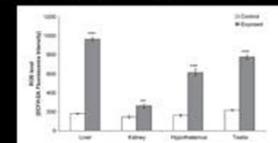
Mice exposed to nonthermal 2.45-GHz 2h/d x 30 d

↑ ROS in liver, kidney, hypothalamus, and testis

↑ RNS, lipid peroxidation

Antioxidant capacity, % viable sperm

Shahin et al. 2014



113

Increased DCFH-DA fluorescence (measure of ROS)



Don't Expose Your Baby To Microwave Radiation From Cell Phones

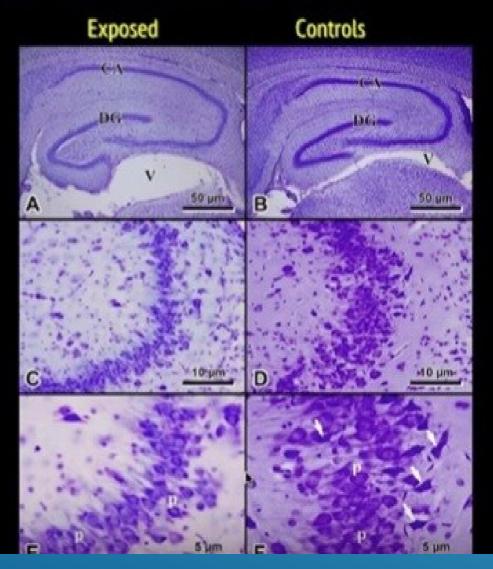
Ref: <u>unitefortruth.online/wifi%2F-5g-issues</u> Unite For Truth - Community Aware Scotland (FB)

MICROWAVE **RADIATION HEATS** WATER AND A BABY **GROWING IN THE** WOMB IS **SURROUNDED BY FLUIDS**

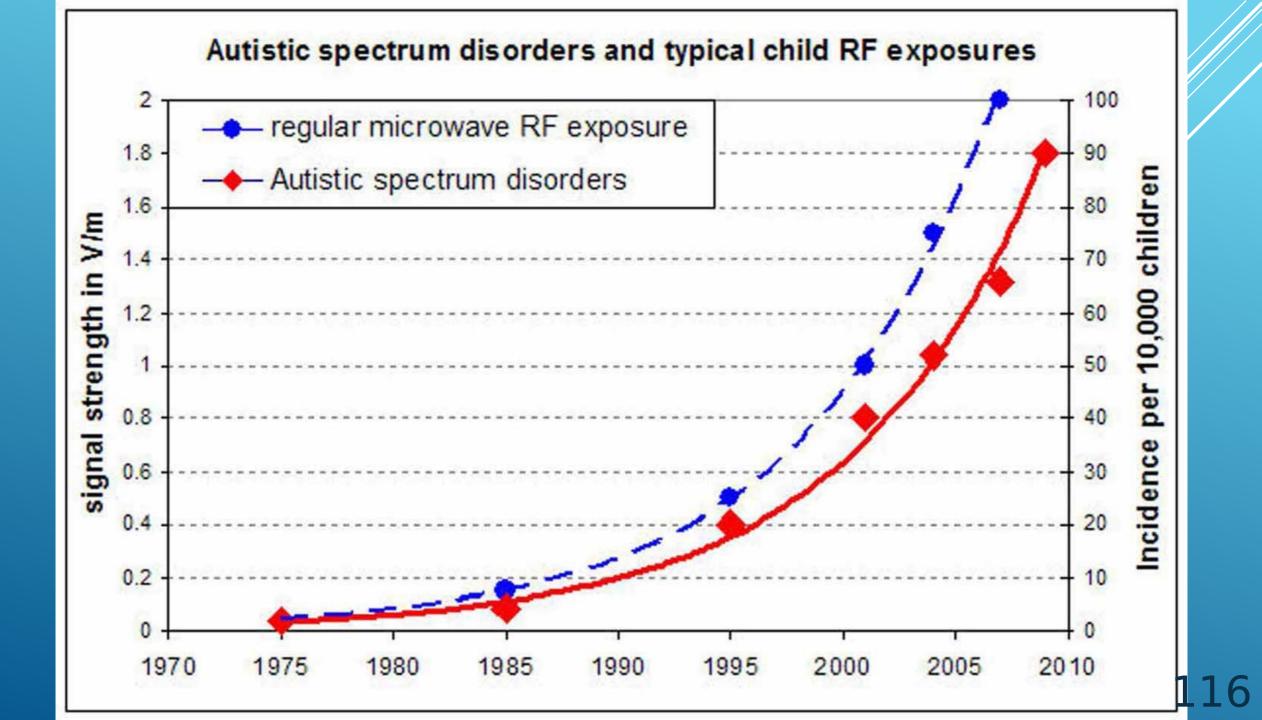
Prenatal exposure of 900 MHz EMF induces pyramidal cell loss in the hippocampus of newborn rats

RESULTS:

Prenatal exposure to wireless radiation damages cells of rat hippocampus –the thinking and memory Section of the brain (Odaci et al., 2008)







NEUROLOGICAL & PSYCHIATRIC EFFECTS OF EMR/EMFS

DrJayDa

- Depression
- Anxiety/restlessness
- Insomnia/sleep disturbances
- Fatigue/tiredness
- Concentration/attention problems
- Memory changes
- Headache
- Dizziness
- Nausea
- Irritability
- Skin burning/tingling
- Loss of appetite/body weight
- EEG (brain wave) changes



Available online at www.sciencedirect.com

ScienceDirect

NeuroToxicology 28 (2007) 434-440

NeuroToxicology

Neurobehavioral effects among inhabitants around mobile phone base stations

G. Abdel-Rassoul^{*}, O. Abou El-Fateh, M. Abou Salem, A. Michael, F. Farahat, M. El-Batanouny, E. Salem

Community, Environmental and Occupational Medicine Department, Faculty of Medicine, Menoufiya University,

Received 20 October 2005; accepted 18 July 2006 Available online 1 August 2006

Abstract

Background: There is a general concern on the possible hazardous health effects of exposure to radiofrequency ele emitted from mobile phone base station antennas on the human nervous system.

Aim: To identify the possible neurobehavioral deficits among inhabitants living nearby mobile phone base stat Methods: A cross-sectional study was conducted on (85) inhabitants living nearby the first mobile phone govemorate, Egypt, 37 are living in a building under the station antenna while 48 opposite the station. A contromatched with the exposed for age, sex, occupation and educational level. All participants completed a struct personal, educational and medical histories; general and neurological examinations; neurobehavioral test batter visuomotor speed, problem solving, attention and memory]; in addition to Eysenck personality questionnaire (1 *Results:* The prevalence of neuropsychiatric complaints as headache (23.5%), memory changes (28.2%), dizzi depressive symptoms (21.7%), and sleep disturbance (23.5%) were significantly higher among exposed inhabitat (5%), (0%), (8.8%) and (10%), respectively (P < 0.05). The NBTB indicated that the exposed inhabitants operformance than controls in one of the tests of attention and short-term anditory memory [Paced Auditory Serial the inhabitants opposite the station exhibited a lower performance in the problem solving test (block design) th inhabitants exhibited a better performance in the two tests of visuomotor speed (Digit symbol and Trailmakin (Trailmaking A) than controls. The last available measures of RFR emitted from the first mobile phone base govemorate were less than the allowable standard level.

Conclusions and recommendations: Inhabitants living nearby mobile phone base stations are at risk for developing neuropsychiatric problems and some changes in the performance of neurobehavioral functions either by facilitation or inhibition. So, revision of standard guidelines for public exposure to RER from mobile phone base station antennas and using of NBTB for regular assessment and early detection of biological effects among innatigants around the stations are recommended.

② 2006 Elsevier Inc. All rights reserved.

EMFguru Consultancy (UK)

This is very sad and no-one is looking in the right places nor asking the right questions. Nine students from the University Of Bristol (UK) committed suicide during the past two years. Bristol University is blaming the students themselves, arguing they suffered 'mental health problems'. One student was on campus for just 3 weeks and others were third and final years students.

Similarly, York University (UK) also had a suicide cluster of 5 students within a one year period in 2016. Of course, there are many explanations for why student suicides are on the increase and the narrative below is peddled by all the mainstream media outlets⁽²⁾. "A report by the university in May revealed that half of all ambulances called out to the University of York were for incidents of self-harm or suicide attempts. The proportion of emergency calls of this kind had been growing year on year. The rising costs of higher education and a more difficult labour market post-graduation have both been cited as to blame for the rise in depression."

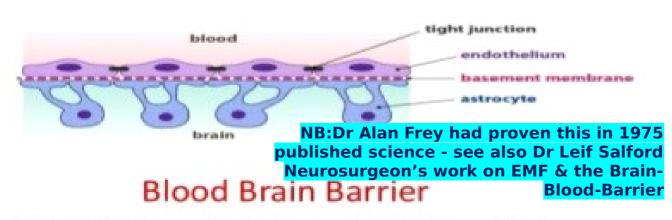
What if the university administrators and mainstream media pundits are wrong? What if the cause or causes of these suicides lie elsewhere? If we merely focus on one cause and it's the wrong cause it means that nothing has changed and even more unfortunate events will unfold in the coming years.

Prof. Martin Pall assessment of the most severe neurological effects of EMF radiation/ 5G

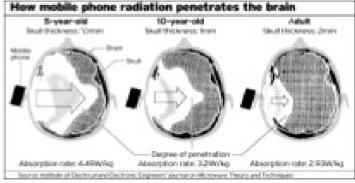
Example 1: Very Early Onset Alzheimer's & other dementias: We have had a major decrease in age of onset of Alzheimer's, with people age 30 coming down with Alzheimer's. "Digital dementias" in young people exposed to Wi-Fi and other EMFs. Excessive intracellular calcium has essential roles in causing Alzheimer's and other neurodegenerative diseases. EMFs acting through VGCC activation produces large increases in the amyloid beta (AB) protein in the brain - has key role in Alzheimer's. Two studies in rats, showed that a series of microwave pulses given to young rats, followed by cessation of pulses, produced 100% Alzheimer's-like effects in middle aged rats - memory and behavioral changes and also high levels of AB protein and oxidative stress in the brains.

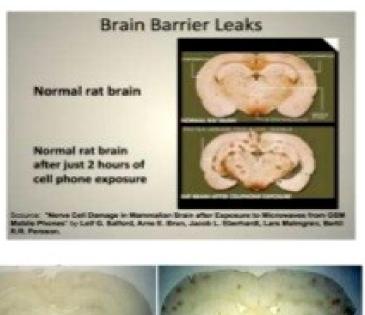
If extremely highly pulsed 5G radiation produces similar effects in humans, 5G will inevitably produce universal or almost universal very early onset Alzheimer's dementias.

The Brain and Wireless Radiation Blood Brain Barrier Permeability



- Brain capillaries show no fenestrations or pinocytotic (transportation) vesicles and have tight junctions that almost fuse adjacent cells. This anatomy creates the blood-brain barrier (BBB).
- The BBB separates plasma from the interstitial space of the CNS and affects in a critical fashion the traffic of molecules in and out of the brain.
- Lipophilic compounds cross the BBB easier than hydrophilic ones do; small lipophilic molecules diffuse freely.
- Some hydrophilic compounds enter the brain with the help of transporters; larger molecules enter via receptor-mediated endocytosis.
- The BBB protects the brain from toxic substances but impedes also the entry of drugs.
- Hypertonic stimuli and chemical substances including glutamate and certain cytokines can open the BBB.
- HIE and inflammatory mediators produced in sepsis disrupt the BBB.







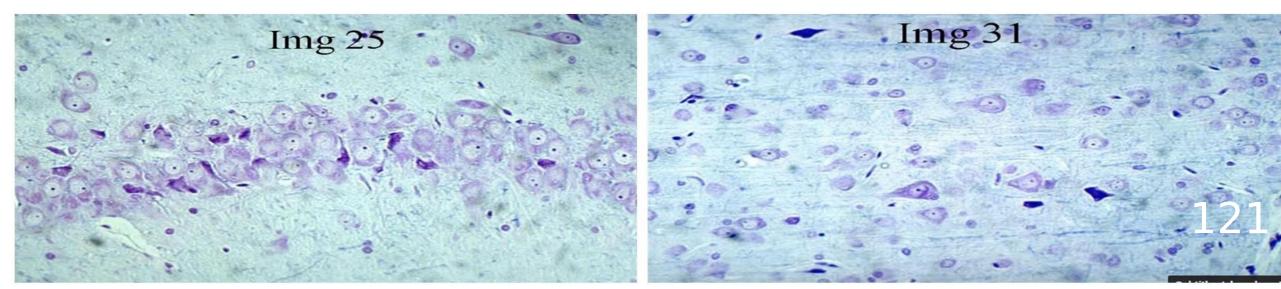
Normal Brain Blood Barrier

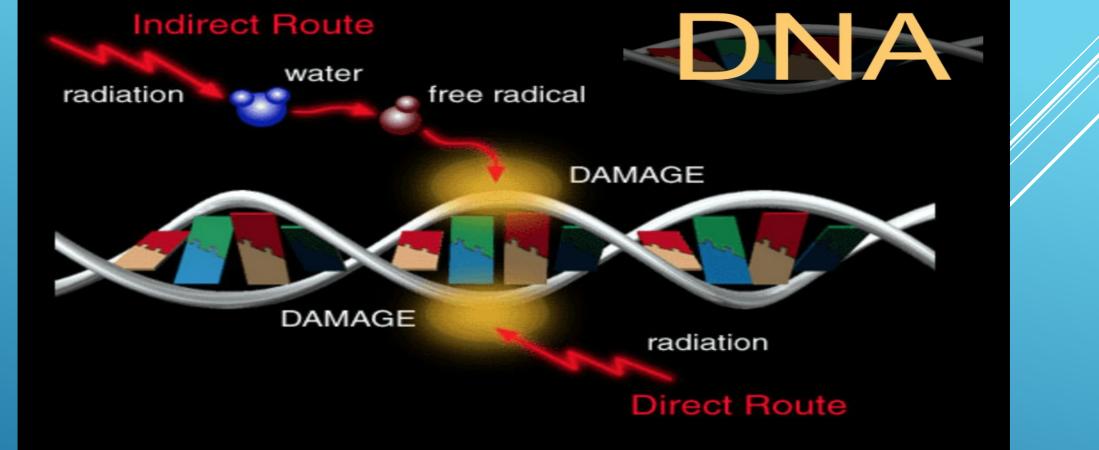
Brain Blood Barrier after exposure

Rats Brains exposed to 2hrs to mobile phone GSM radiation (997)

Shrunked Neurons (after exposure)

Dark Neurons (after exposure)





There are two main ways radiation can damage DNA inside living cells. Radiation can strike the DNA molecule directly, ionizing and damaging it. Alternately, radiation can ionize water molecules, producing free radicals that react with and damage DNA molecules. *Source unknown.*

Free radicals are unstable molecules that can damage the cells in your body. They form when atoms or molecules gain or lose electrons Free radicals are associated with human disease, including cancer, atherosclerosis, Alzheimer's disease, Parkinson's disease and many others.

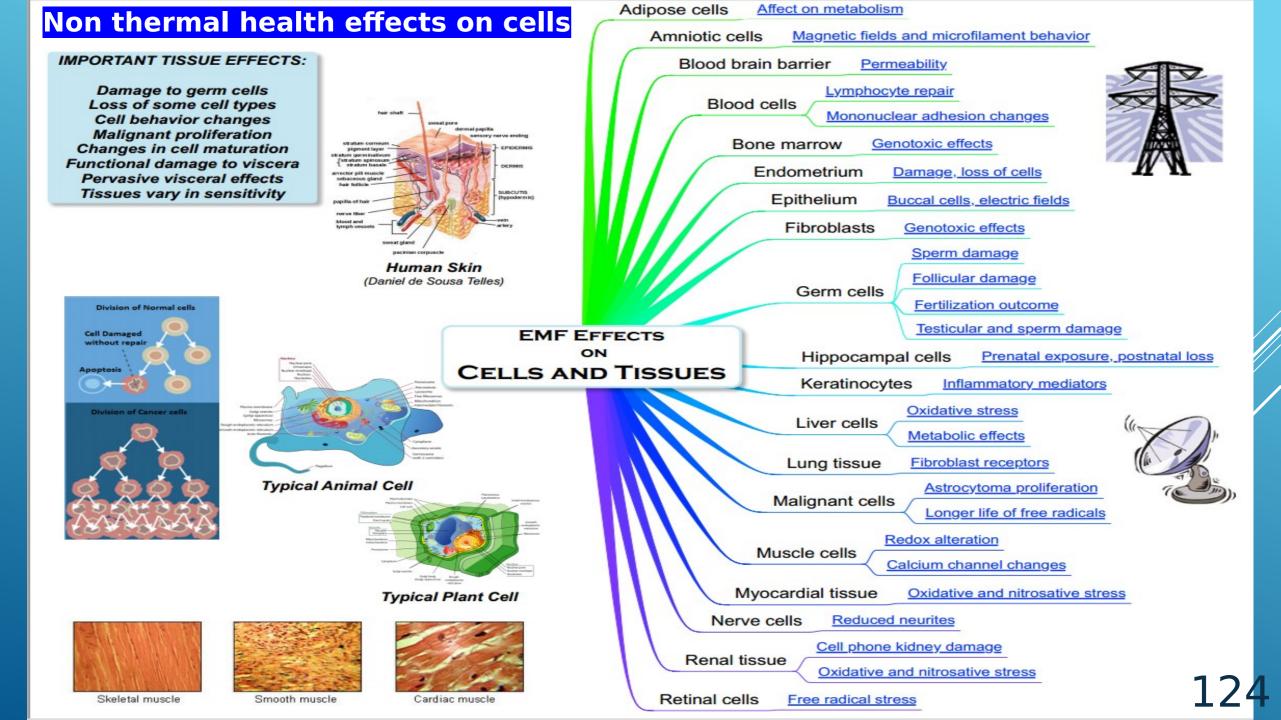
122

JOIN COMI

INDIRECT METABOLIC PATHWAY TO CANCER

- Oxidative Stress increase Altered Ca2 metabolism
- Increase in Free Radicals
- Alteration of Gene expression
- DNA damage genetic and epigenetic
- DNA inhibition for single and double strands of new cells
- If New healthy DNA Cells cannot be made Cancer risk increases
- ENDOCRINE DISRUPTION ie Lowering of Melatonin, which brings a decline in Immune Function
- Decline in Immune Function Increases Potential Risk of Cancers

THIS IS A NEGATIVE HEALTH CASCADE FOR CHRONIC DISEASE OVER TIME!



THIS IS A REAL HEALTH CONDITION WHICH EFFECTS AROUND 3-5% OF **POPULATIONS** -IT IS NOT PSYCHOSOMATI C! HEALTH SERVICES NEED **TO LEARN TO** TREAT PEOPLE NOT SUGGEST THEY ARE MAD -SWEDEN HAS SET THE **STANDARD IN** ACCEPTING THIS AS A HEALTH CONDITION / 4-07

Electro-sensitivity or EHS

A biologically correct response to an environmental pollutant

Scroll for details

Ref: <u>unitefortruth.online/wifi%2F-5g-issues</u> Unite For Truth - Community Aware Scotland (FB) 125

HD