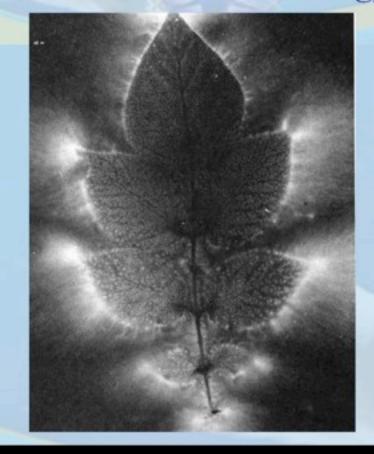
Energy Medicine and Autism

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Phantom Leaf Experiment First visual evidence for existence of Energy Fields





Autism and Energy Medicine

What is Energy Medicine?

It is the application of physics in the diagnosis and treatment of illness

What is the definition of "energy" in physics? Energy is the ability to do work

Familiar applications of Energy Medicine in conventional Medicine:

- X-ray (both diagnostic and as a treatment)
- Ultrasound
- Electro medicine (used in physiotherapy for over 100 years)
- Radiofrequency ablation of WPW bundle in heart or seizure focus in brain
- Cardioversion
- Lithotripsy (destruction of kidney stones with sound vibration)
- Electro convulsive therapy (ECT)
- SAD light therapy
- EECP (external enhanced counter pulsation)
- Acupuncture and EDS
- Music, sound and color therapy
- Saturday, 11 September 2010

Energy Medicine and Autism

Examples of well-known damaging effects of energy to the body:

- 1. High frequency electromagnetic radiation (EMR):
- Cancer from radioactivity
- Leukemia from x-ray exposure

2. Light:

•Too much sunlight exposure (sunburn) = infrared light

-Nightlights causing eye problems and decreased melatonin levels in children

3. Sound:

- Tinnitus from too much noise exposure
- Cancer from infrasound exposure (i.e.vibrating refridgerator, near-by freeway-tunnel)

4. Autism: Possible sources of damaging energy to the unborn or young child:
Household currents and fields (chordless phones, wireless, appliances)
incoming information carrying radio waves (cell phone and radio/TV broadcasting)
light and noise (night light, street lights, traffic, heating pumps)

Electrobiology and Autism

We found 2 parameters that determine and predict the future health of a child

1. Body Voltage in the child's sleeping location

the body acts like an antenna for ambient electric fields in the home and builds up electric tension against the ground- which interferes with numerous biological and physiological functions. Body voltage increases towards the center of the body

The measurement requires an inexpensive instrument (Multi Meter). Since our neurons operate at voltages between 80 and 120 milli Volt (mV), the threshold at which artificially induced body voltage interferes with our normal physiology is at a level at or above 80 milliVolts. The higher the body voltage, the worse

Reported damage caused by EMF includes damage to the developing neuronal networks, to the epigenome, to the cell membrane ("cell membrane sensitivity") interruption or stimulation of cell signaling molecules and damage to the DNA itself.

Autism and EMF: pilot experiment

The following measurements are taken:

- a. Mothers body voltage in the sleeping location used during pregnancy
- b. Child's body voltage in current sleeping location

The homes of 10 children with neurological impairment were tested. Also the measurements of the homes of 5 healthy children were taken.

Results

Diagnosis: 8 children ASD, 1 child Rett Syndrome,1 child: Asperger's Median age: 3 years and 8 months (2-8)

Autism and Body Voltage

Median body voltage in mom's bed (at location of pregnancy):

- Patient group: 1872 milliVolts (380-6040)
- Healthy group: 224 mV (12-480)

Body Voltage of child in current bed location (at time just after first office visit)
Patient group: 1028 mV (420-4900)
Healthy group: 120 mV (0-230)

This paper: Whatever the body voltage of mom, it is even higher in the fetus

Fetal exposure to low frequency electric and magnetic fields Cech R, Leigeb N, Pediaditis M Phys Med Biol. 2007; 52(4): 879-888

Abstract

To investigate the interaction of low frequency electric and magnetic fields with pregnant women and in particular with the fetus, an anatomical voxel model of an 89 kg woman at week 30 of pregnancy was developed. Intracorporal electric current density distributions due to exposure to homogeneous 50 Hz electric and magnetic fields were calculated and results were compared with basic restrictions recommended by ICNIRP guidelines. It could be shown that the basic restriction is met within the central nervous system (CNS) of the mother at exposure to reference level of either electric or magnetic fields.

However, within the fetus the basic restriction is considerably exceeded. Revision of reference levels might be necessary.

Autism and Microwave

2. Microwave

The second measurement taken is addressing the effects of

- cell phone radiation (from near by emitter)
- wireless technology in the home (or from neighbor)
- and chordless phones.

Anything over 1 microWatt/square meter in the sleeping location is expected to cause biological, immunological, physiological and neurological consequences. The higher, the more devastating.

We use an instrument from "Gigahertz Solutions" model HFE 35C (cost around 800 dollars)

Microwave and Autism

Microwave radiation power density in the sleeping location (measured in microWatts per square meter)

a. Result: mom's bed (bed used at time of pregnancy): 290 (110-1710)
b. Healthy group: 12 (5-40)

Current ongoing Microwave exposure of the child in the current sleeping location

a. Child's current bed: 180 (87-1480)b. Healthy group: 14 (0-67)

Elevated body voltage caused by EMR-Electrosmog in the child's home

Low frequency magnetic and electric fields

- Electric household appliances (Razors, hairdryers, etc)
- Fluorescent lighting (separates + and wiring)
- Lamp or alarm-clock on nightstand (if plug the wrong way and ungrounded)
- Electric wiring in home
- Near-by powerline
- Laptop computer
- Wrist watch
- Switched-off cell phone in pocket

known biomedical effects:

- decreases pineal function with decreased melatonin production (insomnia, lowered immune status
- opens blood brain barrier
- Autism and other neuro-developmental disorders in exposed infants
- increased leukemia and cancer rates
- brain fog, fatigue, short term memory loss
- > synergistic effect with all other types of radiation

The relationship of electricity and inflammation

Breakthrough in energy medicine: the inflammation model

$$(+++++++++)$$

excess positive charge = too acid = too many free radicals = disease

EMR-Electrosmog from chordless phones

Pulsed EMF with sharp pulse rise (10- 100 Hz)

- DECT system (and others) of cordless phones
- Radar from near-by airport
- > Alarm system in homes

known biomedical effects:

- disturbs all known intrinsic rhythms (EEG, heart rate variability, breathing pattern, 24 hr meridian activity, bowel movements, detoxification, etc),
- blocks blood-brain and gut barrier (leaky gut syndrome) in stuck-open position leading to neurological illness (Parkinson, MS and ALS, autism,etc.), food and environmental allergies
- synergistic effect with other fields, increases mold growth and mycotoxin production in homes
- Lowered immune status (decreased IL-10, increased IL-1, IL-6, decreased NK cell activity)

Microwave: EMR from cell phones and wireless technology - damage from information-carrying radio waves

- Cell phone radiation from base station (affects blood brain barrier in 1.6 mile radius)
- Wireless internet, WLAN, etc.
- Blue Tooth technology
- Some home alarm systems

known biomedical effects:

- increases cancer rate 3 fold in 10 years after cell phone radiation is brought into a community - after a 5 year incubation period (Neila study)
- severe EEG, HRV and EKG changes
- > delayed and disturbed brain development in infants
- > decreased melatonin and hormone production (testosterone)
- open blood brain barrier with increased toxicity, affects endothelial cells in gut mucosa and endothelium (dysfunctional)
- responsible for illness and death of trees
- Increases growth, neurotoxin production, virulence of viruses, mold, yeast, Lyme spirochetes and other microorganisms

Autism and Microwave/cellphone radiation

Autism and the wireless age: is humanity committing collective suicide or are we "just" destroying a few generations of children?

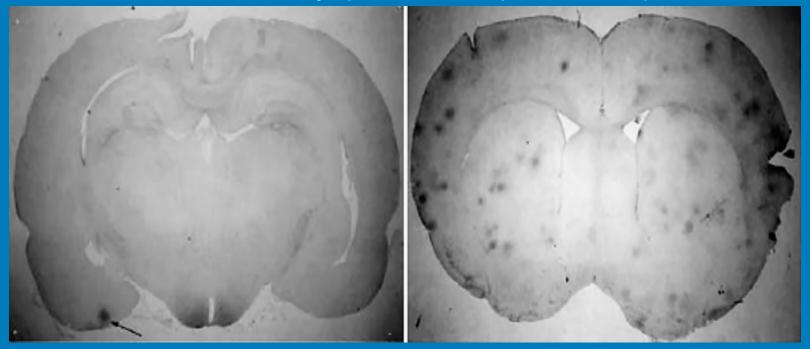
Kane RC. 2004. A possible association between fetal/neonatal exposure to radiofrequency electromagnetic radiation and the increased incidence of Autism Spectrum Disorders (ASD). Medical Hypotheses 62, 195.-197.

Mariea TJ Carlo GL, 2007. Wireless Radiation in the Etiology and Treatment of Autism: Clinical Observations and Mechanisms. J Aust. Coll. Nutr. & Env. Med. Vol 26 (2), 3-7.

Mariea et. al. (2007) discuss the possible linkage between autism and exposure to electromagnetic radiation (EMR). The authors postulate that the steep rise in incidence of autism is possibly related to the increased exposures generally present with the rapid and universal deployment of wireless technologies. The rise in autism coupled with a pervasive rise in environmental levels of radiofrequency radiation in the last few decades has received at least initial recognition within the scientific community. Kane (2004) published a paper in Medical Hypotheses (62, 195-197) that linked fetal or neo-natal exposures to RF radiation with increased incidence of autism spectrum disorders.

Damage done: the brain of your teenage child

Salford 2003: Ratbrain, 50 days post 2-hour exposure to cellphone



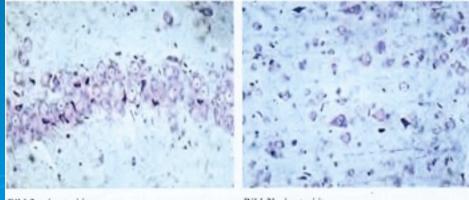


Bild 2a: bestrahlt

Bild 2b: bestrahlt

Hirnschäden bei Ratten durch Handystrahlung.⁷² Die blaue Bildgruppe zeigt zwei stark vergrößerte, mikroskopische Hirnaufnahmen von zweistündig bestrahlten Ratten.

Autism and Cellphone Radiation

Biochem J. 2007 Apr 25

Mechanism of a short-term ERK activation by electromagnetic fields at mobile phone frequency

Friedman J, Kraus S, Hauptman Y, Schiff Y, Seger R.

The exposure to non-thermal microwave electromagnetic field generated by mobile phones affects the expression of many proteins

This effect on transcription and protein stability can be mediated by the mitogen-activated protein kinase (MAPK) cascádes, which serve as central **signaling pathways**, and govern essentially all stimulated cellular processes. Indeed, a long-term exposure of cells to mobile phone irradiation results in the activation of p38MAPKs as well as the ERK/MAPKs. Here we studied the immediate effect of irradiation on the MAPK cascades, and found that ERKs, but not stress related MAPKs are rapidly activated in response to various frequencies and intensities. Using signaling inhibitors we delineated the mechanism that is involved in this activation. We found that the first step is mediated in the plasma membrane by NADH oxidase, which rapidly generates reactive oxygen species (ROS). These ROS then directly stimulate matrix metalloproteinases and allow them to cleave and release heparin binding-EGF. This secreted factor, activates EGF receptor, which in turn further activates the ERK cascade. Thus, this study demonstrates for the first time a detailed molecular mechanism by which electromagnetic irradiation by mobile phones induces the activation of the ERK cascade and thereby induces transcription and other cellular processes.

Differentiation. 2002 May;70(2-3):120-9

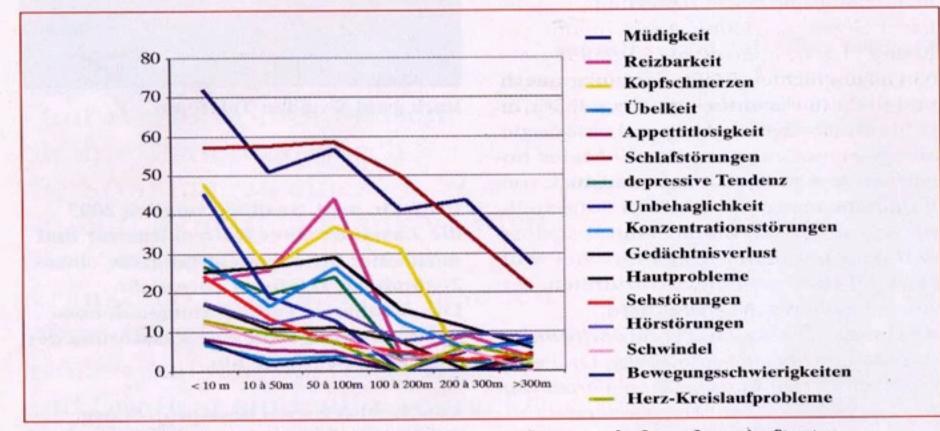
Non-thermal activation of the hsp27/p38MAPK stress pathway by mobile phone radiation in human endothelial cells: molecular mechanism for cancer- and blood-brain barrier-related effects

<u>Leszczynski D, Joenvaara S, Reivinen J, Kuokka R.</u>

We have examined whether non-thermal exposures of cultures of the human endothelial cell line EA.hy926 to 900 MHz GSM mobile phone microwave radiation could activate stress response. Results obtained demonstrate that 1-hour nonthermal exposure of EA.hy926 cells changes the phosphorylation status of numerous, yet largely unidentified, proteins. One of the affected proteins was identified as heat shock protein-27 (hsp27). Mobile phone exposure caused a transient increase in phosphorylation of hsp27, an effect which was prevented by SB203580, a specific inhibitor of p38 mitogen-activated protein kinase (p38MAPK). Also, mobile phone exposure caused transient changes in the protein expression levels of hsp27 and p38MAPK. All these changes were non-thermal effects because, as determined using temperature probes, irradiation did not alter the temperature of cell cultures, which remained throughout the irradiation period at 37 +/- 0.3 degrees C.

Changes in the overall pattern of protein phosphorylation suggest that *mobile phone radiation activates a variety of cellular signal transduction pathways, among them the hsp27/p38MAPK stress response pathway.* Based on the known functions of hsp27, we put forward the hypothesis that mobile phone radiationinduced activation of hsp27 may (i) facilitate the development of brain cancer by inhibiting the cytochrome c/caspase-3 apoptotic pathway and (ii) cause an increase in blood-brain barrier permeability through stabilization of endothelial cell stress fibers. We postulate that these events, when occurring repeatedly over a long period of time, might become a health hazard because of the **possible accumulation of** *brain tissue damage.* Furthermore, our hypothesis suggests that other brain damaging factors may co-participate in mobile phone radiation-induced effects.

EMR-Electrosmog



Dr. R. Santini untersuchte 1999 den Zusammenhang zwischen dem Auftreten bestimmter Krankheiten und der Nähe zu Mobilfunk-Basisstationen in Frankreich. Anhand einer Befragung von 530 Personen kam er zu dem Ergebnis, dass sich innerhalb einer 300 m Zone folgende Symptome häufen: Müdigkeit, Schlafstörungen, Reizbarkeit, Kopfschmerzen, Gedächtnisverlust, Konzentrationschwierigkeiten etc. www.funkenflug.de

EMR-Electrosmog Diagnosis

- Appropriate electronic instruments (very objective, but cannot predict the biological effect on the particular individual)
- Radiaesthesia (very subjective, only 2-8 of hundred practitioners accurate)
- ART (autonomic response testing) (very reliable in the hands of well trained practitioners)
- Heart Rate Variability (measures accurately the biological effect of the field in this particular location on this particular organism)

High frequency device to measure incoming cell phone



> Ins

The 2-step EMF Solution for the autistic child

- Switch off all fuses at bedtime.
 (buy some flashlights or find electrician who can install a "demand switch")
- Create a Faraday cage around the bed (Best: the sleep sanctuary from www.BioToolsfor Wellness.com)

Results: instant improvement of sleep and mood. Other neurological improvements and increased responses to biomedical and neurosensory treatment modalities may take a few months but are dramatic

Sleep Sanctuary



EMR-Electrosmog Therapy: expanded version

Your system is by the factor of hundreds of times more sensitive during sleep. Most suggestions are based on this simple fact

- shut off all <u>fuses</u> at night. Buy a flashlight. Better: have a "demand switch" installed by knowledgeable electrician (rare to find). Move children's bed away from wall (3 feet)
- Get rid of cordless phones at home and get <u>chorded phone</u> (Radio Shack)
- <u>Use PC</u> rather then laptop whenever possible. Have "box" as far away from chair as possible (best: outside, since computers outgas Beryllium, mercury, lead and PBDEs
- No wireless internet at home or in office
- Use metallized grounding sheet under regular bed sheet with ground wire either in earth (best) or attached to metal-waterpipe (not the ground in electric outlet, since most often 60Hz flicker on it) BiopureUS@aol.com
- In most cases: install <u>metallized mosquito net</u> (shield) to deflect incoming microwave. In office, or if possible at home: use metallized paint or conductive Silica-paint on walls
- Have experienced ART practitioner or Building-Biology expert check home for geopathic radiation and move bed location or work-site accordingly
- If you are chronically unwell or have a diagnosed medical illness and you have not responded to treatment, assume that electrosmog is keeping you from getting well. Fix it!

EMR-Electrosmog Therapy: expanded version

- If you do not absolutely have to use a cell phone, get rid of it. Making monthly payments drives the industry and leads to the installation of more broadcasting panels in your neighborhood
- If you continue using a cell phone, get ear piece with air conduction
- Absolutely <u>metal free mattress</u> and bed-frame
- Un-clutter the bedroom
- Use <u>melatonin</u> at bedtime (best: photon wave light therapy)
- No wrist watch, no metal jewelry, no metal zippers or belt buckles
- Avoid living in apartments (neighbor above, below or next door may have wireless or cordless phone) or working in office buildings
- 10 minute earth-hole meditation at end of workday
- Avoid new cars (phthalates, EMF pollution)
- Metal free dentistry
- Work a life-long metal detox program
- Avoid electrical appliances (hair dryer, electric razor, computer)
- Spend less time on computer. Get a life!
- Follow all these recommendations and teach them to your children, parents and friends

EMR-Electrosmog

- Mobile phone radiation decreases pre-bedtime melatonin level Int J Radiat Biol. 2006 Feb;82(2):69-76
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 Basic and Clinical Pharmacology&Toxicology Vol 93, Dec 2003, pp 290-296
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 Arch Med Res. 2005 Jul-Aug;36(4):350-5
- Significant association found between childhood leukemia and magnetic field exposure during the night
 Int J Cancer. 2001 Mar 1;91(5):728-35

EMR-Electrosmog

- EMF exposure in rats leads to decreased testosterone production Saudi Med J. 2005 Mar;26(3):405-10
- Mobile phone radiation decreases TSH, T3, T4 in rats Toxicol Lett. 2005 Jul 4;157(3):257-262
- Increased risk of senile dementia and motor neuron diseases (ALS) may be associated with an above average level of electromagnetic field exposure Epidemiology. 2000 Sep;11(5):539-43
- Residential magnetic field exposure greatly increases risk of breast cancer in women under the age of 50 who have receptors sensitive to estrogen Epidemiology. 1998 Jul;9(4):392-7
- Non-thermal activation of the hsp27/p38MAPK stress pathway by mobile phone radiation in human endothelial cells: molecular mechanism for cancer- and blood-brain barrier-related effects.

Differentiation. 2002 May;70(2-3):120-129