New Aspects on Prevention, Diagnosis and Treatment of Electro Magnetic Field (EMF) related Health Problems



Head of the Department of Environmental Medicine
Medical Chamber of Vienna/Austria

1010 VIENNA,

Weihburggasse 10-12, 2. Stock, Zi.2.01.a

Tel. +43 1 51501-1404

Fax +43 1 512 60 23-1404

E-Mail: sportmedizin@aon.at



Mobile phones and wireless-technology

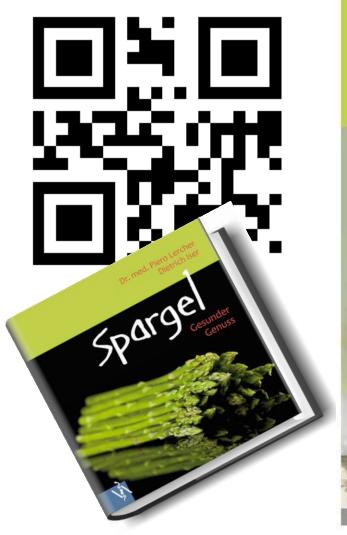
BENEFITS VERSUS RISKS

Benefits versus risks

- Communication
 "always and everywhere"
- Psycho-social changes in communication
- Independence
- Emergency call: 112
- Documentation of accidents
- cave: traffic accidents!!!



QR (Quick Response)-Codes







ragus volubilis, an. Äußerst interessant und hilfreich ist auch die Bezeichnung der Spargelarten in gängigen und seitenen Sprachen dieser Welt. So erfährt man beispielsweise, wie die jeweilige Spargelart auf Sanskrit, Hindi, Telugu oder Urdu genannt

Eine Präsentation aller Spargelarten würde überdies das Platzangebot in diesem Buch sprengen, weshalb hier explizit auf diesen Link der Universität Melbourne verwiesen wird. Ein weiterer Vorteil ist, dass elektronische Datenbanken leichter aktualisiert werden können als bereits gedruckte Werke ...

Aufbau der Spargelpflanze

Wurzelstock

Spargel besitzt ein holziges, dickes Wurzelgeflecht (Rhizom), das aus mehreren Sprossgenerationen besteht. Wenn es im Herbst kalt wird, verfärben sich die oberirdischen Pflanzenteile braun und sterben ab. Die Spargelwurzel speichert alle Nährstoffe und überwintert in der Erde. Die kleinen und weiß gefärbten Wurzeln an der Unterseite des Rhizoms dienen der Wasserund Nährstoffaufnahme (siehe Abbildung).

An der Oberseite des Wurzelstockes bilden sich, durch die Erde geschützt, neben abgestorbenen Stängelresten zahlreiche Knospen, aus denen sich unter Wärmeeinfluss im Frühjahr neue fingerdicke und mit Blattschuppen bedeckte Sprossen (Spargelstangen) entwickeln. Die austreibenden Sprossen der Spargelpflanze sind das, was man gemeinhin als das Spargelgemüse bezeichnet.

"Wise"- Mobile Applications (Apps)

- Medical-Apps
- Fitness-Apps
- Translators
- Wheather, traffic
- Information
- etc., etc.

Navigation

Surveillance?!



Risks and harmful effects

...you do not think about in the first moment...



"Cell-Phone"-addiction and stress

Unconscious dangers

- "Neck-Stress"
- Muscular tensions
- Tension headache



wasteproblems – "technological scrap iron"

Rare Earth elements

Mobile phones and wireless-technology

IMPORTANT FACTS FOR ARGUMENTATION

2 Types of EHS

Electrohypersensibility

Humans with Electrohypersensibility can feel electromagnetic fields, but they do not suffer from them

Electrohypersensitivity

Humans with Electrohypersensitivity have undesirable reactions and a wide range of complaints.

Electro-Hypersensitivity symptoms

in EU: approx. i 5-10% of the population in US: 3% High sensitive und 35% Moderate sensitive

- Sleeping disorders
- Stress, anxiety, irritability
- Headache
- Tinnitus
- Concentration- and learning difficulties
- Fatigue, energy loss
- Depression
- Feeling of faintness (muscular)
- Vertigo, dizziness and orientation disorders
- Eyestrain and increased intraocular pressure
- Flu-like symptoms

Electro-Hypersensitivity symptoms

in EU: approx. i 5-10% of the population in US: 3% High sensitive und 35% Moderate sensitive

- Sleeping disorders CHOSOMATIC Stress, anxiety, irritabilitv[↑] Headache • Tinni+ Feε and orientation disorders حدرً Vert
- Eyesaaın and increased intraocular pressure
- Flu-like symptoms

Studies and data?



Problem of medical counterargumentation

- Each study is refuted with a counter study, whether pro or contra
- Significance of case reports and empirical evidence
- appropriate study models?
- Long-term studies

Conclusion:

We are all participants in a global field trial - lasting about 25-30 years

WHO-Fact Sheet Nr. 193



WHO-Fact Sheet Nr. 193

Key facts

- Mobile phone use is ubiquitous with an estimated 6.9 billion subscriptions globally.
- The electromagnetic fields produced by mobile phones are classified by the International Agency for Research on Cancer as possibly carcinogenic to humans.
- Studies are ongoing to more fully assess potential long-term effects of mobile phone use.
- WHO will conduct a formal risk assessment of all studied health outcomes from radiofrequency fields exposure by 2016.



Operating instructions

Did you know that the operating instructions advice you to keep a certain distance to the ear when using the mobile device?

Insurance!??

- liability
- reinsurance



"Who is liable??"

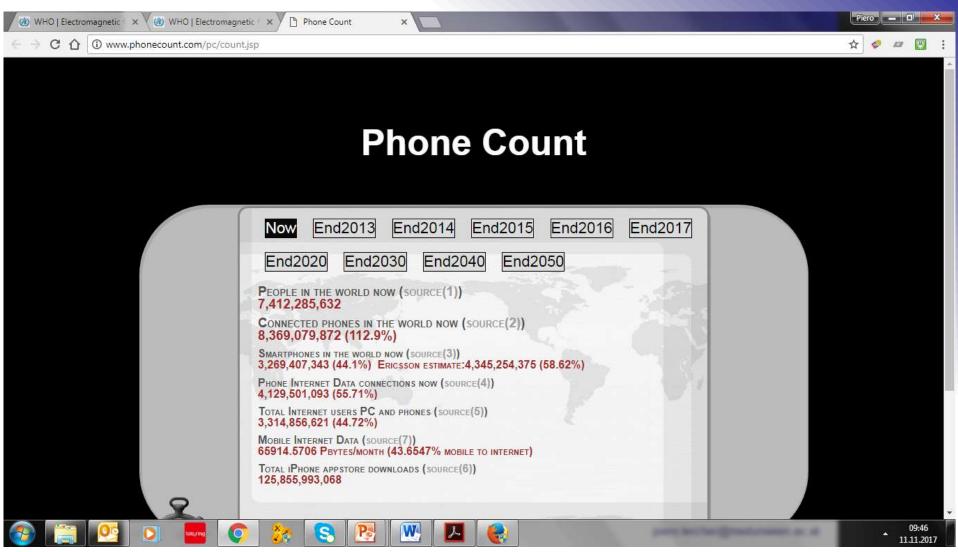
The Marcolini judgment...

2012: Judgment of the Italian Supreme Court, according to which excessive phone calls with cordless phones and cordless phones can lead

to 80 percent disability.



Therefore, the precautionary principle applies!



Mobile phones and wireless-technology

WHAT CAN WE DO?

What can we do?-1

Establish guidelines and rules for safe handling

and usage

e.g. 2005: Medical Chamber Vienna/Austria





What can we do?-2

- Take care of the Precaution principle: it is detailed in Article 191 of the Treaty on the Functioning of the European Union.
- Implementation of mobile-free zones and phases
- Implementation of recycling activities
- Technical modifications to reduce the radiation exposure: i.a. SAR value (specific absorption rate), zero-emission telephones, limit values, wired solutions, etc.

What can we do?-3

- Inform our elected representatives
- and "take them up on their promise"
- to make EMF a campaign topic
- Develop documentation regimes to adequately address health problems

Actually!!:

EUROPAEM EMF Guidelines 2016, for diagnosis, treatment and prevention

Conclusion-1

Restoring a world without mobile-phones is an illusion. It is a matter of propagating, precautions and rules for prudent handling of these technologies and encouraging and motivating the people to use these technologies as a tool, that is, only when really needed.

Conclusion-1

Nicosia Declaration on Electromagnetic Fields/Radiofrequencies November 2017

Conclusion-2

Furthermore, potentially harmful technologies can be replaced by the implementation of other technologies without loss of comfort with sometimes even faster data transmission (e.g. fibre optic cables, VLC visible light communication).

Last but not least, the simplest and easiest strategy is to implement EMF-free zones and periods.

Notice!

Regarding the implementation of new technologies with a potential health risk, the precautionary principle has to be applied and respected

When using new technologies, the inclusion of common sense is imperative.

...and don't forget!

Referring to the "smart world":

Intelligence is an attribute of life, not of technology!

Thank you for your attention!

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