

Red blood cells lump by mobile phone

<http://www.news-medical.net/?id=8629>

Two students of the Gymnasium high school in Spaichingen (Germany) have investigated the influence of using a mobile phone on the red blood cells. With a microscope they made 255 pictures of the blood of 51 testees. The students, Maria Ritter and Wasgan Wolski, received a regional award for young researchers, reports the Schwäbische Zeitung of March 7, 2005.

The testees were not allowed to use their mobile phones for 24 hours. Afterwards the researchers took blood from a finger tip and earlobe. Then the testees had to use a phone for 20 seconds. Immediately after that the researchers took blood again and ten minutes later again. The result: after using the mobile phone it was clearly visible that the red blood cells lumped together in 'rolls of coins'.

Also ten minutes afterwards the 'rolls of coins' still were clearly visible. The lumping raises the risk of thrombosis. Moreover the cells take up and transport less oxygen, report Ritter and Wolski. The research was directed by their teacher Dr. Markus Ziegler.

Full source of this article in German:

<http://www.szon.de/lokales/spaichingen/stadt/200503070146.html>

Informant: franspppp

Something this report highlights is that it is perfectly possible to show the biological effects of phones/masts without waiting the 15 years or so for epidemiological studies. It is just that the Government do not want to know the answer that quickly! We should be pushing for actual testing in the known "worst" spots.

Sylvia

The micro blood clots are due to the increase of thromboxane in blood, during exposure to cellphone radiation as reported by Omura et al (.1993).

http://www.buergerwelle.de/pdf/your_health_with_computer_and_cellphone.pdf

Dr. Zamir Shalita

This about red blood cells was reported as the "string of pearls effect" in a German study some time ago. This is where / how I came across it:

Much as the asbestos and tobacco industries have done, the telecommunications industry has suppressed damaging evidence about its technology since at least 1927, when colloid chemist Ernst Muth first discovered that red blood cells exposed to radio frequency waves (at levels far less powerful than permitted today by the FCC) are forced to line up in chains resembling strings of pearls.

>From Firstenberg:

http://www.earthisland.org/eijournal/new_articles.cfm?articleID=202&journalID=47

I wonder if it has any relationship to Hughes syndrome (sticky blood), which I have come across several times in relation to masts.

There are a number of effects noted on various constituents of blood, so it should be possible to devise blood tests for mast as well as phone effects from more than one indicator.

Andy

Our lab could easily perform this test to peer review publication standards. We are examining erythrocytes routinely every week. It would cost £500 to do this.

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From Mast Network

CONGRATULATIONS to all of the students!!!! This is an important link toward confirming the same health problems occur whether caused by cell phones, powerlines or appliances.

After powerlines were forced upon us by restraining order, I soon developed high blood pressure, elevated blood sugar and frequent adrenalin surges. I also was hospitalized 6-7 times due to thrombophlebitis in both legs. The doctors had numerous problems trying to adjust my prothrombin levels (clotting time) and after contacting a hematologist at the University of Minnesota, my doctor told me "you are a first in medical history" (my blood kept getting thinner and thinner in spite of adjustments -- "very sensitive to all medications").

Due to my inability to tolerate blood thinning medications as well as my inability to sit for extended periods of time day-after-day, my Internist told me to file for disability. Around this same time or soon thereafter, I also had been diagnosed with Lupus Profundus (a rare skin condition -- red scalding-appearance on the palms of both hands and soles of both feet). "Fibromyalgia" was also suggested to explain the "exquisite pain" I endured whenever my chest wall or parts of my

legs were bumped or touched.

The health problems described above were not confirmed by "objective testing" and since evidence to prove my disability was "only subjective," I was denied disability and had to hire an attorney for an appeal. Social Security Disability Benefits were then awarded based on ".....my credibility in spite of the inability of medical science to diagnose the severe symptomatology."

It was not until many years later that I learned of one or more studies linking EMF/EMR to blood-clotting problems. I did not make "a connection" to EMF/EMR until my two grandsons were diagnosed with "rare immune" and we were told they may develop Leukemia or other cancers. No genetic link was found....the boys were moved away from walls opposite electric meters.....they "got well....!!!"

As with my own guinea pig studies regarding white blood cell changes (dramatic) after chronic, prolonged exposure to low levels of EMF/EMR (electric meter), these students have again demonstrated that "ordinary citizens" can do studies that "replicate" some of the "inconclusive studies" that many scientists don't dare to do because of fears of losing jobs/funding, etc.!!!! Take care -

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Cellphones may boost forces on biological tissue

<http://omega.twoday.net/stories/233611/>

Bo E. Sernelius: Possible induced enhancement of dispersion forces by cellular phones. Phys. Chem. Chem. Phys., 2004, 6 (7), 1363 - 1368

Abstract:

We derive the dispersion forces between objects in the presence of a non-thermal radiation field. We apply the formalism to a model system representing two human blood cells in blood. By focusing the same radiation density, as in room-temperature thermal radiation, in the microwave region we find a huge enhancement of the attractive force. Related effects are predicted to occur also in other types of biological tissue. The quantitative results should not be taken at face value, since the model is crude. The effects are so large though, that further investigation is motivated. The origin of the effects lies in the variation of water and/or ion content. In the microwave region of the spectrum both the dipolar contributions from the water-molecules, and the mobile-ion contributions are important parts of the dielectric function, and cause the enhancement.

<http://members.aon.at/gigahertz/aktuell8.htm>

Cell Phones May Harm Blood Cells

<http://omega.twoday.net/stories/592426/>

Permanent mutations in fruit flies by cell phone radiation

<http://omega.twoday.net/stories/688725/>

Fünf Schüler leisten wichtige Basisforschung

<http://omega.twoday.net/stories/568914/>

[Starmail](#) - am Montag, 21. März 2005, 09:27 - Rubrik: [Wissenschaft zu Mobilfunk](#)