

Cell Phones Hurt Children Even Worse Than Adults

by William Thomas – July 2003

Last April, while corporate news managers were guiding the attention of Americans elsewhere, a London newspaper reported on What Cell Phones Can Do To Youngster's Brain In 2 Minutes.

It turns out that a call lasting just two minutes can open the blood-brain barrier in kids as well as adults, allowing toxins in the bloodstream to cross this blood vessel gateway into the skull and attack brain cells. The same two-minute cell phone exposure also disrupts the natural electrical activity of a child's brain for up to an hour afterwards.

Leading medical experts now question whether it is safe for children to use mobile phones at all, reported the Mirror. Doctors fear that disturbed brain activity in children could lead to psychiatric and behavioral problems or impair learning ability.

Dr. Gerald Hyland says he is extremely disturbed by the new findings released in Marbella, Spain by the Spanish Neuro Diagnostic Research Institute.

"The results show that children's brains are affected for long periods even after very short-term use, this mobile phone adviser to the British government explained. Their brain wave patterns are abnormal and stay like that for a long period. This could affect their mood and ability to learn in the classroom if they have been using a phone during break time, for instance.

Dr. Hyland and other MDs worry that cell phones deep penetration into children's brains and the resulting disruption to the subtle electronic exchanges between brain cells could cause kids to lose the ability to concentrate and remember, making it impossible to learn.

Dr. Hyland also states that cell phone use is also linked with aggressive behavior in children. Previous studies show that anyone exposed to cell phone energy may experience radical changes in mood and behavior. Measuring relatively low microwave and radio frequency power levels in urban areas in 1975, Dr. William Blise found clinically diagnosed depression and violence. These effects may be even more pronounced in more susceptible adolescent children. [EMF Health Report March/April, 1995]

"It makes one wonder whether children, whose brains are still developing, should be using mobile phones," this MD declared.

The Spanish findings coincide with a potentially apocalyptic new survey showing that 87% of 11- to 16-year-olds own mobile phones; 40% of them spend 15 minutes or more talking each day on them, and 70% said they would not give up their cell phones in the face of government warnings.

Dr. Michael Klieseisen conducted the Spanish study. "We never expected to see this continuing activity in the brain, he told reporters. We are worried that delicate balances that exist such as the immunity to infection and disease could be altered by interference with chemical balances in the brain." [Sunday Mirror Apr/04]

"This information shows there really isn't a safe amount of mobile phone use, Dr. Hyland emphasized. We don't know what lasting damage is being done by this exposure. If I were a parent I would now

be extremely wary about allowing my children to use a mobile even for a very short period. My advice would be to avoid mobiles."

SWEDISH SCIENTIST FINDS CELL PHONE HAZARDS "TERRIFYING"

Unfortunately for anyone still in ignorance or denial about putting the equivalent of a loaded pistol to their heads and pulling the trigger, new research from Sweden's Lund University Hospital corroborates the Spanish findings. The Swedes also found that exposure to radiation emitted by

Page 2 – Cell Phones Hurt Children Even Worse Than Adults

mobile handsets and neighborhood relay towers can destroy cells in the parts of the brain responsible for memory, movement and learning.

Professor Leif Salford, the neurologist who carried out 15 years of research said, "We saw opening of the blood-brain barrier even after a short exposure to radiation at the same level as mobile phones. Salford added, "We had already shown that mobile phone radiation can allow harmful proteins and toxins to pass through the blood-brain barrier. Now we also see a significant degree of damage to neurons in the brains of adolescent rats. If this effect is transferred to young humans the effects can be terrifying." [Daily Mail Nov6/99]

CELL PHONES EXPOSE BRAIN CELLS TO BLOODSTREAM POISONS

A study by Finish scientist Darius Leszczynski published in the journal Differentiation shows that several hundred chemicals operating in a certain type of human brain cells could be altered by the weak microwaves broadcast by mobile phones.

The blood-brain barrier normally keeps toxins and microorganisms circulating in the blood out of the brain. But Professor Leszczynski found that at the legal limit for mobile radiation, a blood-brain barrier protein named HSP 27 became ineffectual in keeping blood poisons out of brain cells. [The Guardian June20/02]

Proteins found in the blood can, if they get to the brain, cause autoimmune diseases such as Fibromyalgia and Multiple Sclerosis. Damaged nerve cells could also lead to dementia, premature aging, and Parkinson's disease. Brain cells inflamed by cell phone conversations are also indirectly be linked to Alzheimer's disease.

In addition to these potential personal disasters, medication that under normal circumstances wouldn't be able to penetrate the blood-brain-barrier could do so and cause damage. [British Library Net Sept14/03]

MOBILE PHONES LEAD TO EARLIER ALZHEIMER'S

Scientists have discovered that prolonged exposure to radiation emitted by mobile phones, cell phone towers and hidden relay stations can destroy cells in the parts of the brain responsible for memory, movement and learning.

Professor Leif Salford said, "We can see reduced brain reserve capacity", meaning those who would normally have got Alzheimer's or dementia in old age will get it much earlier, those who would not 'normally' have got Alzheimer's or dementia during their lifespan are at greater risk of doing so, and

that both will at best have a significantly diminished number of non dysfunctional brain cells and brain subsystems throughout their lives.

Neurosurgeon Leif Salford and colleagues at Lund university hospital in Sweden published data including the above 'before and after' images showing for the first time, an unambiguous link between radiation emitted by GSM mobile phones the most common type worldwide and brain damage. After fifty days, the rat brains showed significant blood vessel leakage, as well as areas of shrunken damaged neurons. [British Library Net Feb5/03]

CHILDHOOD CELL PHONE USE MAY MAKE YOU SENILE AT 30

According to RFSafe.com, A whole generation of teenagers face premature senility in the prime of their lives due to the use of mobile phones and new wireless technology.

RFSafe.com continued: Leif Salford, who headed the research at Sweden's prestigious Lund University, says the voluntary exposure of the brain to microwaves from hand-held mobile phones is the largest human biological experiment ever. He is concerned that, as new wireless technology spreads, people may drown in a sea of microwaves.

Salford said it was possible that brain neurons would repair themselves in time. [Examples of brain cell self-repair are extremely rare. –WT] But the scientist warned, neurons that would normally not become senile until people reached their 60s might now do so when they are in their 30s. [RFSafe.com Nov26/03]

PHONING YOUR CELLS

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Cell phones are aptly named. Every call you make, every conversation you have on a cell phone dials your cells directly. And the message is not good. Just 13% of the cells exposed to mobile phone radiation remained intact and able to function, compared with 70% of cells exposed only to the natural electromagnetic field produced by the human body. [London Observer April11/99]

HIGH FREQUENCY = HIGH RISK

It is not the power level but the frequency of electromagnetic emissions that pose the greatest danger. Even at very low power outputs of typical cell phones and cell phone relay towers, researchers have found the higher the frequency, the graver the risk.

Very High Frequency VHF, Ultra High Frequency UHF, microwaves and portable phones operating in the Gigahertz range are all high-frequency electromagnetic emission sources.

YOU ARE AN ANTENNA

It is well recognized that the human body becomes more transparent to RF energy as the frequency of RF energy increases, reminds radiologist Dr. Catherina Mills.

Human brains achieve peak absorption in the UHF bands, right where cellular telecommunications operate. Human bodies act as antennas whose peak resonance frequency lies in the middle of the

VHF TV band. As we sit watching TV, our bodies are absorbing the same energy as the set, writes Robert Becker in his landmark book, Cross-Currents.

CELL PHONE TOWERS TARGET CHILDREN

TV, radio and cell phone towers adjacent to schools or homes could be killing kids. An Australian study by Dr. Bruce Hocking has found that children living near three TV and FM broadcast towers in Sydney had more than twice the rate of leukemia than children living more than seven miles away. The radio frequency and microwave radiation exposures measured by Hocking are similar to those emitted by cellular towers. The highest power densities occur in a widening cone of transmission at a distance of 100 to 800 feet from towers rising 150-feet or higher above the ground. [EMF Health Report March/April/95; London Observer Apr11/99]

In New Zealand, cell phone towers are prohibited on school property because of possible health effects: learning disabilities, cancer, leukemia, DNA damage, blood disorders, brain tumors and electrical sensitivity. [EMF Health Report Mar/Apr'95]

But in the UK and USA, newly introduced Picture Phones featuring picture messaging are already boosting the power levels of often-disguised cell phone relay stations. [Sky News]

http://www.willthomas.net/Convergence/Weekly/Cell_Phone_Health_Children.htm