

Q & A

Cell Phones Proven Dangerous

“There is a consistent increased risk for glioma and acoustic neuroma after 10 years of mobile phone use.”

Public concern over the dangers of cell phone radiation and microwave emissions is at an all time high.

Scientists evaluated current scientific evidence for long-term mobile phone use. There is a consistent increased risk for glioma and acoustic neuroma after 10 years of mobile phone use.

Scientists Hardella and colleagues now conclude that, “Current standard for exposure to microwaves during mobile phone use is not safe for long-term exposure and needs to be revised.”

Andrew Goldsworthy, a retired Lecturer in Biology at the Imperial College London, says, “Cell phone signals have to be “modulated” if they are to carry information such as speech and the various control signals needed to make the system work. Most digital modulation systems involve sharp changes in signal strength. These occur over a wide range of frequencies, some of which are biologically active. Furthermore, they occur at radiation levels many orders of magnitude lower than those specified by guidelines. These guidelines are therefore set far too high to protect us from modulated radiation.”

Signals are usually thought of as dangerous only when they provide heat. Now there is evidence that signals which do not produce heat, including cell phone signals, can cause calcium leakage in brain cells. “This in turn can produce all sorts of unwanted biological effects, ranging from electromag-

netic hypersensitivity (EHS) to a loss of fertility and an increased risk of getting cancer,” says Goldsworthy.

People who suffer from electrosensitivity have much higher natural rates of calcium leakage. “Since their leakage rates are already high, even small amounts of electromagnetic radiation that would not affect non-sensitive individuals can trigger their symptoms,” says Goldsworthy.

Symptoms of electrosensitivity include unusual feelings of heat, touch, pressure, crawling sensations, pins and needles, dizziness, nausea, and pain.

Goldsworthy asserts, “EHS may become a major problem for us all. Although only a few percent of the population are at present electrosensitive, the condition can be brought on in hitherto healthy people by repeated or prolonged exposure to the radiation. However, it sometimes takes many years to develop so, even if you are currently one of the lucky ones who are not affected, there is no guarantee that it will stay that way.”

Electrosensitivity is a growing problem and has already been given a special month by Colorado, Broward County Florida, and Connecticut in the U.S.

Reference

Hardella, L, Carlberga, M, Mildb, KH. Epidemiological evidence for an association between use of wireless phones and tumor diseases. *Pathophysiology*. August 2009;16(2-3):113-122.

