



Quality • Longevity • Integrity

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Ion-Phone®

The Ion-Phone® contains a barrier containing a mixture of ceramic minerals, the conduction and absorption capacities of which act as a barrier to electromagnetic waves emitted by mobile phones. These minerals are cooked in special ovens creating a new substance, the properties of which help reduce the power of certain electromagnetic waves. Placed near the antenna of a cellular phone, it protects the user from the EMF being emitted.

How to use Ion-Phone®:

Remove the protective film on the back of the Ion-Phone® and place it on your mobile phone. An acceptable spot is on the battery or in the battery compartment.

Electromagnetic Radiation (EMF):

Magnetic fields emitted by cellular phones must be taken into account as a health issue. It is important to be protected. To date, existing epidemiological studies are insufficient to definitely conclude that the use of mobile phones is associated with an increased risk of tumors and other health problems but the research is on-going. Many researchers and doctors now believe that cellular phones, in particular, present a heretofore hidden danger.

Potential Dangers:

Significant penetration into the human body by electromagnetic fields produced by cellular phones, particularly in the region of the brain, increased still further in the case of children due to their smaller size.

Various biological effects of electromagnetic fields in the cellular phone frequency bands (from 800 to 2200 MHz) even below the power thresholds imposed by European safety standards (2 W/kg for 10 g of tissue) on living tissue, in particular an increase in the permeability of the blood-brain barrier and increased synthesis of stress proteins.

Dr. Hardell, Sweden, found increased risk of brain tumors from 10+ years of cell phone use. His key finding:

- For every 100 hours of cell phone use, the risk of brain cancer increases by 5%.
- For every year of cell phone use, the risk of brain cancer increases by 8%.
- After 10+ years of cell phone use, there was a 280% increased risk of brain cancer.
- Users who were teenagers or younger when they first started using cell phones, there was a 420% increased risk of brain cancer.

EMF Effects:

Electromagnetic waves are composed of an electric field and a magnetic field. The electric field can easily be channeled by conductive materials (such as metals). It passes through human skin easily which is also a good conductor of current and disappears into the ground through the feet. It causes practically no damage to the human body. On the other hand, a magnetic field easily crosses any barrier, including metals, with the exception of a few materials.

The impact of electromagnetic waves on the body:

The human body is affected by the magnetic fields emitted by computers, microwave ovens, televisions, and in particular those emitted by mobile phones heating the brain which in the long run may cause damage due to repeated use of this modern means of communication.

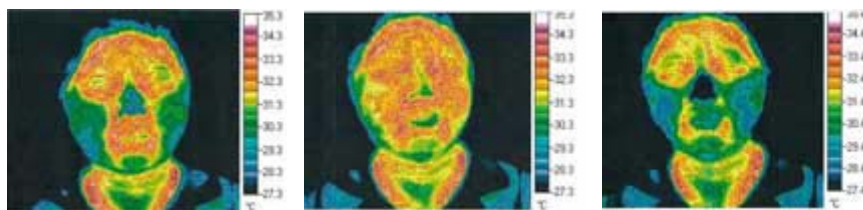
A study released by the Reproductive Research Centre at the Cleveland Clinic in Ohio suggests an alarming increase in infertility amongst men who frequently use cell phones. In each of the four criteria singled out in the study, sperm count, motility, viability and appearance, those who used cell phones more than four hours per day fared the worst.

Within the electromagnetic spectrum, radiation is either ionizing or non-ionizing.

Ionizing radiation is harmful to humans because exposure causes cells and genetic matter to mutate or change form. This can lead to various types of cancer, affecting the thyroid, breast, bladder, colon, liver, lung, esophagus, ovaries and stomach. Scientists also suspect links to other forms of cancer, heart disease and stroke.

Non-ionizing radiation, while it has been believed to be safe, is now proven to overheat cells, causing them damage as well. Scientists cannot pinpoint the level at which this type of radiation becomes unsafe, as testing on humans presents an ethical dilemma.

However, in animal studies, exposure to cell phone radiation for as little as two minutes is proven to have a damaging effect on the brain and blood vessels.



The above images show that brain temperature rises during the use of a cellular phone (Fig. 2) , however, this same person, when using a EMF blocking/absorbing device, reduces the warming of the brain by EMF (Fig. 3).