

## MEMORANDUM

**EMF OF MOBILE TELEPHONES - CHILDREN BELONG TO A GROUP OF INCREASED RISK. A SCIENTIFIC DATABASE FOR AN ESTIMATION OF DANGER IS LACKING. THE EXISTING STANDARDS DO NOT CORRESPOND TO NEW RF EMF RADIATING CONDITIONS.**

The opinion of Russian National Committee on Non-Ionizing Radiation Protection (RNCNIRP)

**March 4, 2009, Moscow, Russia**

During use of a mobile telephone a child's head is exposed to EMF. The exposure concentrates in the brain and nervous receptors of acoustical and vestibular devices, which are located in internal ear direct under the RF EMF source. Also the retina and lens of an eye are exposed to EMF. Up till now the world scientific community has no scientific database that can be used to estimate the risk for children, connected with long exposure of daily RF EMF on a developing brain. The appropriate studies of children using mobile telephones and experimental research are absent.

The size of an irradiated field in a brain of the child, and the common absorbed energy of EMF by a brain is more for a child, than for an adult user.

For the first time in the period of civilization, children and teenagers were included as a group of risk. It is necessary to note that the foreign recommended standards are much higher than the Russian standards.

RNCNIRP repeatedly paid attention that health of the present generation of children and future generations is under the danger (11.09.2001, 23.06.2004, 20.03.2008). The Russian SanPiN - 2003 (2.1.8/2.2.4.1190-03, the item 6.9) recommends restriction of the opportunity to use mobile telephones by the persons who have not reached 18 years.

The WHO gives highest priority to the protection of the health of children against probable adverse effect of an electromagnetic field of cellular telephones. Important for an estimation of the seriousness of the problem is the following WHO opinion: "*CHILDREN ARE DIFFERENT FROM ADULTS*. Children have a unique vulnerability. As they grow and develop, there are "windows of susceptibility": periods when their organs and systems maybe particularly sensitive to the effect of certain environmental threats". WHO, Backgrounder N 3, 2003.

Therefore it is necessary to start an active information and explanation trajectory among parents, teenagers and children, to forbid aggressive advertising designed for this marketing group of the population, and to introduce a precautionary principle more widely.

We call the scientific community of the world not be limited by the numerous discussions about importance of a problem "Mobile telephone and children", and to begin a real study on the risks for children as users of mobile telephones, and also to begin experimental research on the effects of chronic low intensity RF EMF exposure on a developing brain.

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