



The electromagnetic field of modern communication as a factor in the environment: hygiene and radiobiological effects.

Oleg Grigoriev, Yuri Grigoriev

Federal Medical Biophysical Center of Federal Medicobiological Agency of Russia
(RUSSIA, 123182 Moscow, Zhivopisnaya Str., 46, o.grigoriev@yahoo.com)

The presentation discusses the radiobiological effects caused by EMF RF mobile phone, an assessment of the potential adverse impact on the health of users.

The mobile radio communication has become an integral part of our lives. All groups of population are practically constant significant electromagnetic radiation. It's the first time civilization being exposed daily fractional brain of mobile phone users. The brain's become a critical organ. Children were included in high-risk and under the terms of the electromagnetic load on the body can be equated to the professionals.

We considered functional disorders of the mobile phones users, including the syndrome of "electromagnetic hypersensitivity" and state of "situational stress" and experimental investigation of the impact EMP RF on the brain, the possibility of long-term consequences for mobile phone users. Effects on children's and teenager's health were analyzed. We considered the problem of standardization of maximum permissible level of EMF of mobile phones.

Basic scientific data for evaluation safety of electromagnetic mobile phones is not enough. There is no data about the possible development of long-term effects in children after prolonged exposure of the developing brain of EMF in the near the antenna field.

On the one hand, there are a total uncontrolled exposure in the general population, which can be considered as significant. On the other hand, we are not seeing expressed mass pathology. While it would be fair to say that this is not an epidemic of "swine flu" to expect a mass clear pathology, and that the process is latent, we are convinced. In this regard, we must persevere in the relevant scientific research and have a reliable regulatory framework that takes into account the changed realities of the electromagnetic effects on the population.