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**Sent** : Monday, January 14, 2008 1:47 PM

**To** : [contact@next-up.org](mailto:contact@next-up.org)

**Subject** : FW: Next-up news n°437 Dossier Scientifique Fertilité Scientific File Fertility

Dear Editor:

Your website on the topic of Mobile Telephony and Fertility: Scientific Studies, posted on January 8, 2008, with a subtitle [Nobody will be allowed to say : " *I didn't know !* "] can mislead readers about the effect microwave exposure has on sperm. The results on sperm shown in the figure were due to high intensity microwaves.

The slide showing microwave effect on sperm count was taken from a clinical study done in China. Because of the one child policy in China, research was done to find a reversible male contraceptive method. The research showed that microwave power up to a few hundred watts applied for one hour to the testes would induce scrotal temperature to 43 degree Celsius.

According to the figure, high intensity microwave heating of the testes was proven to be effective in reducing sperm count. In 1982, a visiting scientist from China did a dosimetry study with us at the University of Washington, Seattle, Washington, to quantify power deposition patterns in male reproductive organs (see the reference below). It is well known that heat affects sperm and that is why mammalian testes are located outside of the body in a cooler environment. In microwave bioeffect studies, the animal experiments also show that reproductive or developmental effects do not occur unless microwave heating causes a significant temperature increase above the normal body temperature. Because the maximum average output power is small (only 0.25 W), a mobile telephone cannot produce a temperature rise that would be high enough to affect sperm, reproduction or development.

High intensity microwave heating of testes and low intensity mobile telephony exposure are not comparable. People use an umbrella at noon to protect against high intensity sunlight, but no one uses an umbrella under the moon light, even it is a full moon. The difference is intensity of the light.

Before you post any data, please check the scientific contents for relevance and give enough explanation with it. Scientists are to inform the readers and not to mislead them.

Thank you very much for your attention and correction.

C-K. Chou, Ph.D. Chief EME Scientist Director, Corporate EME Research Laboratory Motorola Labs.

#### Answer Next-up organization :

We thank Dr C.K. CHOU for his explanations which do not depart from the telecom industrialists' behaviour for year, that is an almost total denial of deleterious effects following radiofrequency microwave radiations. For what concerns the staggering published graph about semen production, Dr C.K. CHOU justifies himself by evoking a radiation power of microwave radiation of many hundred watts during one hour on testicles..."from volunteers?". In front of such inconsistencies, we think that it's difficult to open a dialogue.

A microwave oven having a mean power from 750 to 1500 watts, in its use everybody knows pertinently what going on for everything having water molecules after an exposure of some ten seconds of time at these powers microwaves.

If Dr C.K.CHOU wishes so, we can replicate the experience of this study (physical part replicate in progress) by radiating pig's testicles during one hour with microwaves at some hundred watts.

We ask ourselves, because we are not sure to be in the scientific field, nor in the art of cooking neither, but straight in the one of molecular destruction, indeed in the cremation field (carbonisation).

While staying cold, the question we pose is the one of scientific pertinence of thousand published studies and learnedly presented to the general public like so to try to prove the mobile phone microwave radiation harmlessness.

Worse, for sometimes, through many statements coming especially from politics we realize that interlocutors or interlocutresses have a complete ignoring on the ground (subject) and that for them it would be more judicious to abstain themselves from any externalization.

We maintain our position on that matter: all sources of microwave radiation meddling are not under control, they have an exponential increase that generate an overall of disasters at the planet scale and a global process of dying out in progress that can even be irreversible at very short term.

We maintain also our position that is without ambiguity for what concerns young people who use a mobile phone for many hours per day with no precautionary measure, for some of them it's already too late.

Annie Lobé [was clearly expressing herself on the subject.](#)

Serge Sargentini.