



Resolución de Venecia **Promovida por la Comisión Internacional para la Seguridad Electromagnética.**

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Como se indica en la Resolución Benevento¹ de septiembre de 2006, seguimos preocupados por los efectos sobre la actividad humana de la exposición a campos electromagnéticos en la salud. En el Taller de Venecia, titulado "Fundamentos de bioelectromagnetismo: "Hacia una nueva justificación para la evaluación del riesgo y gestión", hemos hablado de electrohipersensibilidad, cambios en la barrera hematoencefálica, efectos sobre el aprendizaje y el comportamiento, cambios en la actividad de enzimas antioxidantes, daños en el ADN, mecanismos bioquímicos de interacción; y de los daños biológicos y los enfoques experimentales para validar estos efectos. Como resultado, nos vemos obligados a confirmar la existencia de efectos no térmicos de los campos electromagnéticos sobre la materia viva, que parecen ocurrir en todos los niveles de la investigación desde la epidemiológica hasta la molecular.

En primer lugar, es una tarea urgente de los investigadores internacionales es descubrir los mecanismos detallados de las interacciones no térmicas entre los campos electromagnéticos y la materia viva. Una consecuencia colateral será el diseño de nuevas normas para público en general y de protección laboral. Nosotros, que estamos a la vanguardia de esta investigación, fomentamos un enfoque ético en el establecimiento de normas de exposición que protejan la salud de todos, incluidos las personas que son más vulnerables. Reconocemos la necesidad de investigación para revelar los parámetros críticos de los efectos y el riesgo de exposición a campos electromagnéticos.

Las normas de protección contra las radiaciones no ionizantes recomendadas por las organizaciones internacionales de normalización, y apoyadas por la Organización Mundial de la Salud, son insuficientes. Las actuales directrices se basan en los resultados de estudios de exposiciones agudas y sólo se consideran los efectos térmicos. Es necesaria una aplicación en todo el mundo del principio de precaución. Además, las nuevas normas que se adoptasen debieran ser desarrolladas teniendo en cuenta diversas condiciones fisiológicas; por ejemplo, el embarazo, los recién nacidos, niñas y las personas mayores.

Tomamos como una excepción la reclamación de la industria de comunicaciones inalámbricas de que no hay evidencia científica creíble para concluir que existe un riesgo. Los últimos datos epidemiológicos son más fuerte que antes, lo cual es un motivo más para justificar la reducción de las normas y los valores de exposición de acuerdo con el principio de precaución.

¹ La Resolución de Benevento en: http://www.icems.eu/benevento_resolution.htm

* traducción al castellano de Pedro Belmonte Espejo.

Reconocemos el creciente problema de salud pública conocido como electrohipersensibilidad: Esta condición adversa para la salud puede ser muy invalidante, y requiere más investigación urgente y reconocimiento.

Nosotros recomendamos el uso limitado de teléfonos móviles y otros dispositivos similares, para niños pequeños y adolescentes, y hacemos un llamamiento a los gobiernos a aplicar el principio de precaución como una medida provisional mientras se desarrollan las normas de protección biológicamente más relevantes contra, no sólo la absorción de energía electromagnética de la cabeza, sino también los efectos adversos de las señales en bioquímica, la fisiología y los biorritmos eléctricos

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Disclaimer statement: The signatories to these resolutions, have signed as individuals, giving their professional affiliations, but this does not necessarily mean that this represents the views of their employers or the professional organizations they are affiliated with.

The Venice Resolution
Initiated by the International Commission for Electromagnetic Safety,
following the 6th ICEMS Workshop, December 17, 2007.
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As stated in the Benevento Resolution of September 2006, we remain concerned about the effects of human exposure to electromagnetic fields on health. At the 6th ICEMS Workshop, entitled, "Foundations of bioelectromagnetics: towards a new rationale for risk assessment and management", we discussed electrohypersensitivity, blood brain barrier changes, learning and behavioral effects, changes in anti-oxidant enzyme activities, DNA damage, biochemical mechanisms of interaction, biological damage and, experimental approaches to validate these effects. As an outcome, we are compelled to confirm the existence of non-thermal effects of electromagnetic fields on living matter, which seem to occur at every level of investigation from molecular to epidemiological.

An urgent task before international researchers is to discover the detailed mechanisms of non-thermal interactions between electromagnetic fields and living matter. A collateral consequence will be the design of new general public and occupational protection standards. We, who are at the forefront of this research, encourage an ethical approach in setting of exposure standards which protect the health of all, including those who are more vulnerable. We recognize the need for research to reveal the critical exposure parameters of effect and risk from exposure to electromagnetic fields.

The non-ionizing radiation protection standards recommended by international standards organizations, and supported by the World Health Organization, are inadequate. Existing guidelines are based on results from acute exposure studies and only thermal effects are considered. A world wide application of the Precautionary Principle is required. In addition, new standards should be developed to take various physiological conditions into consideration, e.g., pregnancy, newborns, children, and elderly people.

We take exception to the claim of the wireless communication industry that there is no credible scientific evidence to conclude there a risk. Recent epidemiological evidence is stronger than before, which is a further reason to justify precautions be taken to lower exposure standards in accordance with the Precautionary Principle.

We recognize the growing public health problem known as electrohypersensitivity; that this adverse health condition can be quite disabling; and, that this condition requires further urgent investigation and recognition.

We strongly advise limited use of cell phones, and other similar devices, by young children and teenagers, and we call upon governments to apply the Precautionary Principle as an interim measure while more biologically relevant standards are developed to protect against, not only the absorption of electromagnetic energy by the head, but also adverse effects of the signals on biochemistry, physiology and electrical biorhythms.

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