

# Infiemmazione:

**L'effetto antinfiammatorio è legato prevalentemente alla modulazione delle citochine proinfiammatorie<sup>[1]</sup> all'incremento di quelle antinfiammatorie (IL10) e al ripristino dell'attività della Ca-ATPasi<sup>[2]</sup> di membrana.**

<sup>[1]</sup>[Gómez-Ochoa I, Gómez-Ochoa P, Gómez-Casal F, Cativiela E, Larrad-Mur L.](#)

Pulsed electromagnetic fields decrease proinflammatory cytokine secretion (IL-1beta and TNF-alpha) on human fibroblast-like cell culture. *Rheumatol Int.* 2010 Apr 7

[Ongaro A, Varani K, Masieri FF, Pellati A, Massari L, Cadossi R, Vincenzi F, Borea PA, Fini M, Caruso A, De Mattei M.](#)

Electromagnetic fields (EMFs) and adenosine receptors modulate prostaglandin E(2) and cytokine release in human osteoarthritic synovial fibroblasts.

Department of Morphology and Embryology, University of Ferrara, Ferrara, Italy. [ngrlss@unife.it](mailto:ngrlss@unife.it). *J Cell Physiol*. 2011 Aug 9. doi: 10.1002/jcp.22981.

[De Mattei M, Varani K, Masieri FF, Pellati A, Ongaro A, Fini M, Cadossi R, Vincenzi F, Borea PA, Caruso A.](#) Adenosine analogs and electromagnetic fields inhibit prostaglandin E2 release in bovine synovial fibroblasts. *Osteoarthritis Cartilage*. 2009 Feb;17(2):252-62. Epub 2008 Jul 18. Department of Morphology and Embryology, University of Ferrara, Ferrara, Italy. [dmm@unife.it](mailto:dmm@unife.it)

<sup>[2]</sup> [Selvam R, Ganesan K, Narayana Raju KV, Gangadharan AC, Manohar BM, Puvanakrishnan R.](#) Low frequency and low intensity pulsed electromagnetic field exerts its antiinflammatory effect through restoration of plasma membrane calcium ATPase activity. Department of Pharmacology and Toxicology, Madras Veterinary College, Vepery, Chennai, India. *Life Sci*. 2007 Jun 6;80(26):2403-10. Epub 2007 May 1

## Trend medio di riduzione dell'inflamazione

