



## Osteoarthritis

Results of this double-blind, placebo-controlled study indicated that exposure to pulsed electromagnetic fields had beneficial effects in the treatment of patients suffering from painful osteo arthritis of the knee or cervical spine. PEMF therapy consisted of 18 exposures lasting 30 minutes and administered 3-5 times per week. **(1)**

This double-blind, placebo-controlled study indicated that treatment with pulsed electromagnetic fields produced significant favorable effects in patients suffering from osteoarthritis. **(2)**

**This double**-blind, placebo-controlled study showed that treatment with pulsed electromagnetic fields yielded significant benefits in patients suffering from osteoarthritis of the knee or cervical spine. PEMF therapy (25 G, 5-24 Hz) consisted of 18 30-minute exposures over a period of 3-4 weeks. **(3)**

This controlled study examined the effects of changeable magnetic fields (Polus101 device) coupled with more conventional therapies in the treatment of patients suffering from osteoarthrosis. Magnetic therapy consisted of daily 20 minute exposures for a total of 12 sessions. Results showed more rapid improvements of immunological indices and alleviation of symptoms associated with the disease among patients receiving the combination therapy compared to those treated only conventionally. **(4)**

### **Citations:**

**(1)** D.H. Trock, "The Effect of Pulsed Electromagnetic Fields in the Treatment of Osteoarthritis of the Knee and Cervical Spine. Report of Randomized, Double Blind, Placebo Controlled Trials," *Journal of Rheumatology*, 21(10), 1994, p. 1903-1911.

**(2)** D.H. Trock, "Treatment of Osteoarthritis with Pulsed Electromagnetic Fields," *Bioelectric Repair and Growth Society*, Vol. XIII, 13th Annual Meeting, 10-13 October 1993, Dana Point, CA, p. 14.

**(3)** A.J. Bollet, "Treatment of Osteoarthritis with Pulsed Electromagnetic Fields," *European Bioelectromagnetics Association*, 2nd Congress, 9-11 December 1993, Bled Slovenia, p. 46.

**(4)** L. Yurkiv, "The Use of Changeable Magnetic Field in Treatment of Osteoarthrosis," *European Bioelectromagnetics Association*, 3rd International Congress, 29 February-3 March 1996, Nancy France.

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