



## Lupus Erythemaatosus

This review article examined the data concerning impulsed magnetic fields in the treatment of lupus erythematosus. Studies indicate that the treatment can be beneficial due to its anti-inflammatory and analgesic effects, its positive action on microcirculation, and immunological reactivity. **(1)**

This double-blind, placebo-controlled study examined the effects of UHF and microwave therapy in treating patients suffering from systemic lupus. Twenty-six patients were given 30-35 W of microwave irradiation administered to the adrenal region. Twenty-five patients were given 30-35 W UHF administered bilaterally to the temporal region. The treatment regimen for both groups included 18-20 daily sessions. A group of 11 patients were used as controls. Results showed both treatments to be effective, with 27 percent of microwave patients and 66 percent of UHF patients reporting total elimination of polyarthralgia, myalgia, and painful contractures. **(2)**

Results of this study indicated that the bitemporal application of ultrahigh-frequency electromagnetic fields to the hypothalamo-hypophyseal area daily over a period of 18-20 days had beneficial effects in patients suffering from systemic lupus erythematosus. **(3)**

### **Citations:**

**(1)** I.V. Khamaganova, et al., "The Use of a Pulsed Magnetic Field in the Treatment of Lupus Erythematosus," *Ter Arkh*, 67(10), 1995, p. 84-87.

**(2)** V.D. Sidorov & S.B. Pershin, "Immunomodulating Effect of Microwaves and Ultrahigh Frequency Electric Field in Patients with Systemic Lupus Erythmatosus," *Bioelectrochem Bioenerg*, 30, 1993, p. 327-330.

**(3)** V.D. Sidorov, et al., "The Immunomodulating Effect of Microwaves and of an Ultrahigh-Frequency Electrical Field in Patients with Systemic Lupus Erythematosus," *Vopr Kurortol Fizioter Lech Fiz Kult*, (4), 1991, p. 36-40.

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