

Abstracts

Regional Heating of Tissue with Control of Applied Power and with Minimized Leakage Radiation

J.W. Brose and G. Flachenecker. "Regional Heating of Tissue with Control of Applied Power and with Minimized Leakage Radiation." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 243-246.

Distance-sensitive applicators for UHF diathermic are described. A novel power and frequency controlled diathermic system using this applicators shows a leakage radiation of more than 20dB below that of conventional systems when unloaded. Furtheron, the new system keeps the actually applied power constant as long as the patient is in a correct position.

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