Abstracts

Experimental Determination of Absorbed Power Distribution in a Phantom Irradiated with a Microwave Applicator

D. Van Den Berge, S. Denayer, R. Van Loon, A. Barel and G. Storme. "Experimental Determination of Absorbed Power Distribution in a Phantom Irradiated with a Microwave Applicator." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. I [MWSYM]): 147-150.

An original method is described for automatic acquisition of SAR-patterns of applicators used in hyperthermia therapy of cancer. The SAR is determined by processing adequately the time impulse response of the temperature signal in a glass bulb scanned through a liquid phantom above the applicator. The whole process is controlled by a Macintosh PC.

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