

Abstracts

Dielectric Loaded Lens Applicator for Microwave Hyperthermia

Y. Nikawa and F. Okada. "Dielectric Loaded Lens Applicator for Microwave Hyperthermia." 1990 MTT-S International Microwave Symposium Digest 90.1 (1990 Vol. 1 [MWSYM]): 545-548.

A new lens applicator for microwave hyperthermia which is combined with a partially dielectric-filled waveguide has been developed. The applicator can change heating pattern by changing the size of the dielectric material. The heating experiment of phantom modeling material of human muscle shows the maximum heating depth is around 70 mm and it confirms to realize deep and local heating for hyperthermia.

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