Abstracts

Thermal Modelling of Non-Ideal Interstitial Microwave Antenna Array Hyperthermia for the Treatment of Cancer

K.L. Clibbon and A. McCowen. "Thermal Modelling of Non-Ideal Interstitial Microwave Antenna Array Hyperthermia for the Treatment of Cancer." 1993 MTT-S International Microwave Symposium Digest 93.2 (1993 Vol. II [MWSYM]): 1147-1150.

In clinical hyperthermia, 'ideal' parallel insertion of an interstitial antenna array for the treatment of cancer is virtually impossible. The effect of non-parallelism and variable antenna insertion depths on the electric fields, and thus the heating distributions, produced by such arrays is investigated in this paper, through the use of computational modelling.

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