

Abstracts

Hyperthermia: Healing and Hazard in Tumor Bearing Rats

H. Moroson, S. Stowe and M. Schechter. "Hyperthermia: Healing and Hazard in Tumor Bearing Rats." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 255-257.

We have treated a metastasizing tumor in the rat with hyperthermia, as well as the contralateral normal limb by immersion in a 43 C bath. Whole body (rectal) temperatures were allowed to reach 40.5 - 41.0 C for one hour, and possible harmful effects on the host immune system investigated. Treatment which caused regression of the primary tumor also significantly reduced extent of retroperitoneal metastases. Lymphocytotoxicity against tumor target cells in vitro assayed one and two days after hyperthermia revealed no reduction in cell mediated immunity.

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