Magnetically Induced Hyperthermia for Cancer Therapy  
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Abstract: The defects in the traditional heating methods such as ultrasound, microwave and radio frequency limit the development of cancer hyperthermia. However, magnetically mediated hyperthermia based on the new technologies and new theories becomes a new breakthrough for cancer treatment. Magnetically induced hyperthermia is a new approach to thermal cancer therapy. Generally, magnetic materials were located in tumor tissue firstly then were exposed to an external alternating magnetic field to be heated due to hysteresis loss, relaxation loss or eddy current effect and cancer cells are killed at high temperature.

Keywords: Magnetically Induced Hyperthermia, Cancer Therapy

induction heating in Magnetically Induced Hyperthermia for Cancer


