

Rotational Field Nuclear Quantum Magnetic Resonance

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Don't know if it's any different from Radio frequency (RF) ablation
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<http://in.rediff.com/news/2006/mar/20cancer.htm>

New cancer treatment method in the offing

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In a development, which may bring a new ray of hope for cancer patients, the Institute of Aerospace Medicine here is working on curing the disease using electromagnetic beams which, unlike chemotherapy, only kills malignant cells without affecting the adjacent healthy ones.

As per the new treatment developed by the institute, a computer controlled device called Cytotron generates precise high intensity Quantum Magnetic Resonance beams from 288 specially designed guns which are focused to kill the affected tissues.

"The high specificity of QMR applications ensures that healthy cells in regions adjacent to the region of interest are not affected in any manner," said Wing Commander V G Vasishta, Chief of the Radio Diagnosis department, IAM.

"The beams also alters the mechanisms of cell division process of malignant cells and forces them to self-destruct, while leaving the healthy cells to divide naturally," he said.

According to Vasishta, the treatment, which is called Rotational Field Nuclear Quantum Magnetic Resonance is non-thermal, non-ionizing, safe, and has no known side effects.

So far 86 patients have been treated by this method, which involved daily one-hour exposure to Cytotron for 28 days and primary results have been highly encouraging in all the cases, he claimed.

http://www.hindustantimes.com/news/181_1647727.0050.htm

As anyone who has been treated for cancer will tell you, the cure destroys as much as it heals. But research being conducted at the Institute of Aerospace Medicine (IAM), Bangalore ? on a procedure that kills the

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malignant cells while leaving the healthy ones unharmed ? holds out hope.

These beams, on the other hand, induce the cancerous cells to commit suicide and do not affect surrounding cells. The radio frequency used is non-ionising and non-thermal making it perfectly safe.

The method will significantly help those suffering from brain cancer: "Tumours in the brain have a knack of coming back. In chemotherapy, other functional cells of the brain might also be killed leading to hair-loss and other side effects. But with Cytotron , we are able to cover a larger area safely, making sure the malignancy does not resurface," says the doctor.

Vasishta is confident of curing patients soon, and reach the mark required by Indian Council of Medical Research for approval.

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