

KILLING DISEASES

Nuclear Power Used for Healing

By

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DISEASE holds no one in respect. As man's greatest enemy, it keeps to no frontiers and strikes down a rich man as easily as a poor one. Neither you nor I, our wives nor our children are ever safe from its attacks, whether creeping or sudden as a tiger's spring.

For each year, disease kills millions and causes immense suffering and hardship to millions more.

Fortunately scientists do not stand idle, watching while men, women and children suffer and die.

They are doing much today to provide hospitals, doctors and nurses with new and better weapons to fight man's age-old killers.

One of the worst of these is cancer. It causes growth in the human body and these growths or tumours, if unchecked, lead quickly to terrible pain and death.

Treatment By Radioactive Beams

All kinds of treatment for cancer, from herbal remedies to complicated surgical operations, have been tried. Sometimes results are good, and sometimes the best efforts are sadly hopeless.

But now a wonderful new power for healing is in use—nuclear energy.

One hospital, using this tremendously powerful ally, is the Royal Marsden Hospital, London. The hospital specialises in the treatment of cancer patients. And, to take advantage of nuclear energy as a healing force, it has set up a new centre in Surrey, near London, where 85 patients, all threatened with death, are now having the cancer cells in their bodies attacked by radioactive beams.

Strict Precautions Taken

The centre's specialists can treat a patient safely even when he has a cancerous growth seated deep in his body.

They adjust their equipment so accurately that its beams attack the cancer cells only and do not damage

the patient's skin tissues. Treatment is quite painless. Patients feel nothing.

The enormously high power contained in these beams would, of course, be dangerous, an instant killer, if wrongly applied.

But every precaution is taken to remove risks to the patient's life,

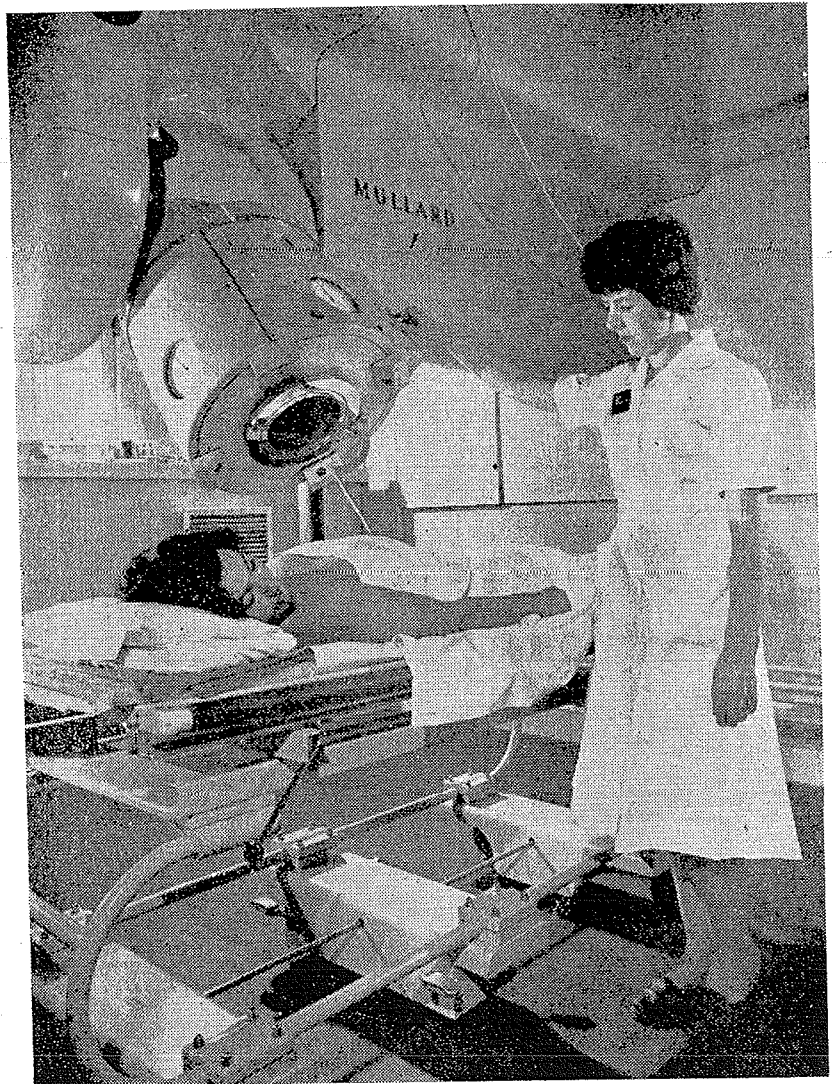
and to protect the medical staff and everyone else, handling the 6,000,000 electron volt accelerator which directs the radioactive power.

The beams can only be applied, too, for short time intervals. That also cuts down risks. For the longer one is exposed to this treatment, the greater may be risk of something going wrong.

But used under strict control, radioactive materials are now saving lives—saving them from horrible deaths.

This new development may bring about great and heartening changes in man's methods of fighting diseases of all kinds.

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This apparatus, in use today at a London Hospital, is called a Linear Accelerator. It produces a steady stream of 15,000,000 volt electrons. By strict control of this power, radioactive beams can be directed against cancer tumours seated deep in a patient's body. Every precaution is taken so that treatment is safe and painless.