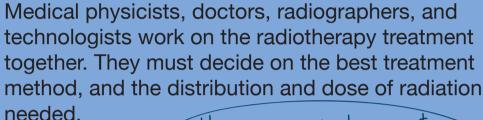


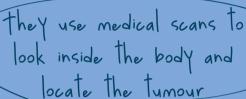


Treating cancer with radiation

One of the best ways to treat cancer is to expose it to high-energy radiation (radiotherapy). This damages the cancer cells and stops the cancer growing. Radiotherapy can cure cancer or reduce the patient's symptoms.



look inside the body and locate the tumour



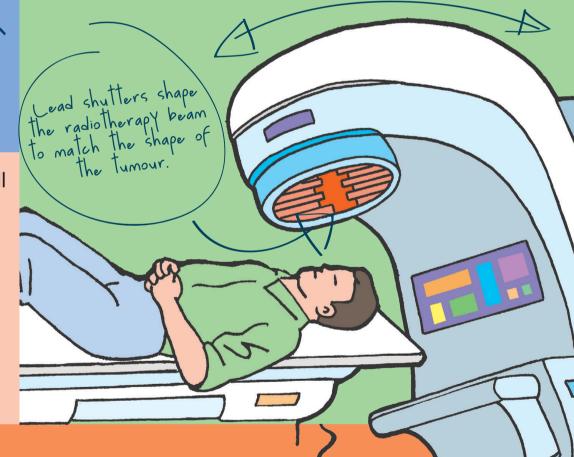


If they choose brachytherapy, they will place one or more radioactive capsule on or in the body, near the tumour or inside it.

Radiation emitted from the capsule treats the cancer.

If they choose to use external beam radiotherapy, they will apply beams of high-energy radiation to the patient, usually in the form of X-rays. A linear accelerator (linac) makes the X-rays.

Some machines can change the beam's shape and dose rate as they rotate around the patient.



When radiation hits the cancer, it damages the DNA of the cancer cells, which stops them from replicating. Radiation can damage healthy cells too. Radiotherapy treatments are carefully planned to minimise damage to tissues around the tumour.



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