

Sir HN Reliance Foundation Hospital introduces ground-breaking technology to revolutionise cancer treatment in India

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India's first Ethos Linear Accelerator in combination with surface guided radiotherapy for cancer patients

Sir HN Reliance Foundation Hospital introduces India's first Ethos Linear Accelerator in combination with Surface Guided Radiotherapy, a ground-breaking innovation in cancer care.

ETHOS enables a patient-centric approach by providing personalised treatment plans based on each person's unique anatomy and changes in the tumour on daily basis. This ability to adapt and adjust the treatment plan throughout the course of therapy ensures precise targeting of the tumour and minimizes radiation exposure to healthy tissues.

The technology also adapts to changes in the tumour shape, position, and size during treatment. By accurately tracking and adjusting the treatment beam in real-time, ETHOS maximises the radiation dose to the tumour while minimizing damage to surrounding healthy tissues. This ensures optimal treatment, improved outcomes, and reduced side effects.

Sharing his thought Dr Prasad Dandekar, Head of Radiation Oncology said, "Ethos is an Artificial Intelligence based Precision Radiotherapy treatment machine, that will lead to improving cancer outcomes in patients and reduced side effects for the treatment of any kind of cancer."

With the Varian Ethos platform doctors can now efficiently plan & administer the adaptive treatment in just a 15min time slot with the Adaptive Intelligence feature.