

Introducing the TrueBeam
Radiotherapy System:

Revolutionizing Precision Radiation Therapy



The TrueBeam® STx radiotherapy system is a state-of-the-art technology that is revolutionizing precision radiation therapy. It is fully equipped with integrated features, which allow patients to be treated quickly and precisely, potentially reducing their time spent in clinic. We invite you to explore the following six key benefits of the TrueBeam system.

1. Precision and Accuracy: TrueBeam has smaller leaves in the center (0.25 cm versus the standard 0.5 cm) which allows for finer beam sculpting, and the PerfectPitch™ 6 degrees of freedom (6DoF) couch, which allows for two additional axes of rotation (conventional couches only move up/down and right/left). Both of these technologies improve target positioning, resulting in a more precise treatment delivery. This precision is crucial for targeting tumors while minimizing exposure to surrounding healthy tissues and organs, thereby reducing potential side effects.

2. Versatility: The TrueBeam system is versatile, capable of delivering a wide range of radiotherapy treatments, including stereotactic body radiotherapy (SBRT), stereotactic radiosurgery (SRS), and intensity-modulated radiotherapy (IMRT). This versatility allows for personalized treatment plans that can be adapted to the specific needs of each patient.

3. Speed of Treatment: The TrueBeam system can deliver treatment doses at a faster rate compared to some traditional systems. This speed can significantly reduce the duration of each treatment session, improving patient comfort and convenience without compromising the quality of the treatment.

4. Non-Invasive Treatment: Radiosurgery with the TrueBeam system is non-invasive, meaning that patients can often avoid the risks and recovery time associated with traditional surgery. This is particularly beneficial for patients who are not candidates for surgery due to their health status or the location of the tumor.

5. Image-Guided Therapy (IGT): The TrueBeam system incorporates advanced imaging technologies, allowing for real-time imaging during treatment. This capability ensures that the radiation dose is precisely delivered to the target, adapting to movements such as breathing, and allows for adjustments in real-time if necessary.

6. Enhanced Patient Comfort: TrueBeam utilizes Vision RT for surface mapping technology, which allows for the reduction of immobilization, providing a more comfortable treatment experience for patients. Vision RT's motion management solutions improve safety, accuracy, and patient ease. TrueBeam's faster treatment times also mean that patients spend less time in discomfort or anxiety.

For more information about Pacific Cancer Institute, or to become a referring provider, please visit [PacificCancerInstitute.com](https://www.PacificCancerInstitute.com) or call 808-249-1600.



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