

TomoTherapy Radiation Delivery

Unparalleled Accuracy, Precision, and Safety



John Theurer Cancer Center is the most experienced cancer center in New Jersey to offer TomoTherapy, treating prostate, lung, and head and neck cancer.

When discussing radiation options with your patients consider TomoTherapy®. This approach delivers a very precise form of intensity modulated radiation therapy using an integrated treatment system unlike any other.

Why Tomotherapy?

Image Guidance Daily Treatments

TomoTherapy allows true CT imaging that can be used daily to guide accurate delivery of each treatment session. No other radiation therapy machine offers this seamless integration of image-guided and intensity-modulated radiation therapy.

360 Degree, Continuously

Treatments can be delivered continuously, from all angles around the patient. Thousands of targeted beamlets all aimed at the tumor which allows physicians more control in how they plan treatments, ensuring the dose will be confined to the tumor.

Adaptive Radiation Therapy

TomoTherapy has the ability to adapt treatment at any point the physician deems necessary. This precision in treatment helps minimize the radiation exposure to healthy tissue which reduces the risk of short term and long term side effects.

Peer-Reviewed Research Supports Efficacy of TomoTherapy

- Shown to improve results and limit side effects in inoperable non-small cell lung cancer
(Technology in Cancer Research & Treatment, 2008)
- Demonstrated significant reduction in toxicity for prostate cancer
(Radiotherapy & Oncology, 2007)
- Demonstrated improvement in tissue sparing and target coverage for head and neck cancers
(Radiotherapy & Oncology, 2006)



For more information, call Anthony Ingenito, M.D. at 201-996-2236.
To schedule an appointment, call Steve Murno at 201-996-4061.

 **John Theurer
Cancer Center**
at Hackensack University Medical Center
Providing Extraordinary Care