



Lexington
Clinic

Radiation Oncology

To schedule an appointment, please call
Lexington Clinic Radiation Oncology at
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lexingtonclinic.com/cancer



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TRUEBEAM[®]
TECHNOLOGY

**For Radiotherapy and
Radiosurgery for Cancer**



Varian Medical Systems, Inc.
varian.com
3100 Hansen Way
Palo Alto, CA 94304-1038



Introducing TrueBeam®

The TrueBeam® system – from a world leader in cancer treatment innovation, Varian Medical Systems – offers an advanced standard for noninvasive radiotherapy technology. In fact, 8 of the top 10 U.S. cancer hospitals* have a TrueBeam®. Why? Because it is so precise, accurate and versatile, it expands radiotherapy treatment options for even the most challenging cases.

Advantages of TrueBeam® TREATMENT

NONINVASIVE – There are no incisions or surgery with TrueBeam® and no post-surgery recovery period.

FAST – The TrueBeam® system's sophisticated imaging system helps visualize the tumor in real time – 60% faster, using 25% less X-ray dose than with previous Varian technology.

PRECISE – Because doctors can “see” the tumor they're treating in real time, they can target it with pinpoint precision. Even tumors that move when you breathe – those in the lungs, for example – can be targeted precisely thanks to special tools that compensate for motion during a treatment.

VERSATILE – TrueBeam® can be used to deliver advanced radiotherapy or radiosurgery, giving doctors the flexibility to treat cancers in challenging places like the head and neck, lungs, breast, abdomen and liver.

INDIVIDUALIZED – Every tumor is different, and TrueBeam® can shape the radiation beam to match the size and form of most tumors accurately, regardless of their shape. This shapes the treatment beam to match precisely the size and form of the tumor from any given treatment angle, while minimizing exposure of the surrounding healthy tissue.

* As rated in the US News & World Report's 2016 -2017 Best Hospitals in Cancer.

IGRT (Image-Guided Radiotherapy) – Uses advanced imaging that allows the clinical team to visualize and verify the exact position of your tumor – both prior to and during your treatment.

SRS (Stereotactic Radiosurgery) – A faster treatment protocol that uses more powerful beams to treat tumors in the brain over only one to five sessions.

SBRT (Stereotactic Body Radiotherapy) – A technique similar to SRS, used to treat tumors elsewhere in the body such as prostate, lung, liver or spine.

VMAT (Volumetric-Modulated Arc Therapy), i.e. RapidArc® – Enables treatments that once took ten to thirty minutes to be delivered in as little as two minutes or less.

GATED TREATMENT, INCLUDING GATED RAPIDARC – Monitors your breathing and turns the beam on only when your tumor is in the optimal position for treatment.

TrueBeam® gives us the versatility to tailor each patient's treatments with remarkable precision, using the most appropriate approach for each individual case.

WE SEE THE TUMOR. WE TREAT THE TUMOR.

TrueBeam®'s enhanced imaging tools allow our oncology team to see the tumor they are about to treat, just prior to – and even during treatment – to fine-tune the patient's position. The system can synchronize beam delivery with the tumor motion that occurs as the patient breathes – which allows us to treat complex cancer cases in the lung and breast.

This powerful combination of imaging and treatment technologies makes TrueBeam® fast and precise while helping minimize exposure of healthy tissue.