TOMOTHERAPY® SYSTEM

Leading edge technology for individualized patient care

- Daily 3D CT imaging ensures treatment is always on target
- Makes even the most complex cases easy
- Fully-integrated system with unprecedented patient safety
TOMOTHERAPY® SYSTEM SETTING A NEW STANDARD FOR...

Daily 3D Image Guidance
- Daily 3D CT visualization of soft tissues to ensure accurate tumor targeting and avoidance of normal structures
- Automatic daily repositioning of patient to assure target is in correct treatment position
- Efficient image guidance with an intuitive user interface

Unique Beam Delivery
- Thousands of beamlets sculpt dose around the tumor
- Two modes of treatment delivery – TomoHelical™/TomoDirect™ – give flexibility in treatment options
- Optimized dose delivery for each patient’s individual needs

Complete Integration
- Fully-integrated treatment planning, image guidance, and beam delivery via a single database
- Complete confidence and security with data stored in one location
- Patient safety is improved as no data transfer is necessary
- Fast and easy connection to Mosaiq® and Aria®

TECHNOLOGICAL DIFFERENTIATION
RADIATION TREATMENT

TomoTherapy® System brings innovative clinical solutions to your patients

**Clinical Differentiation**

**Complex Targets**
- Up to 135 cm treatment length with no field matching
- Uniform dose delivered throughout the tumor
- Multiple targets treated in a single setup

**True Modulation**
- Sculpted doses conform to complex tumors and avoid healthy tissue
- Thousands of tiny beamlets combine to deliver a precise treatment
- Less dose to healthy tissues means reduced side effects

**Adaptive Therapy**
- Effects of anatomical changes on dose can be seen on a daily basis
- Physicians can re-plan treatment based on changed anatomy, if necessary
- Treatment stays true to the original, prescribed treatment plan

TomoTherapy® System is a fully-integrated, 3D image-guided intensity-modulated radiation therapy (IG-IMRT) system. It combines unique beamlet-based delivery, fast and interactive VolO™ treatment planning and daily CT image guidance. Each patient receives an accurate and high quality individualized treatment specifically tailored to their needs. With TomoTherapy technology, a broader range of cases can be treated, expanding options for more patients.