



# TOMOTHERAPY® SYSTEM SETTING A NEW STANDARD FOR

The TomoTherapy System is a fully-integrated, 3D image-guided intensity-modulated rad delivery, fast and interactive VoLO™ treatment planning and daily CT image guidance. Easpecifically tailored to their needs. With TomoTherapy technology, a broader range of cases.



### TECHNOLOGICAL DIFFERENTIATION

### 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<sup>™</sup>/TomoDirect<sup>™</sup> give flexibility in treatment options
- Optimized dose delivery for each patient's individual needs

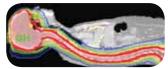


### **Complete Integration**

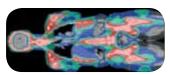
- Fully-integrated treatment planning, image guidance, and beam delivery via a single database
- Complete confidence and security with data stored in one location
- Patient safety is improved as no data transfer is necessary
- Fast and easy connection to Mosaiq® and Aria®

### RADIATION TREATMENT

liation therapy (IG-IMRT) system. It combines unique beamlet-based ch patient receives an accurate and high quality individualized treatment ses can be treated, expanding options for more patients.



Craniospinal



Total Marrow

### 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



Funnel Chest Breast



Scalp Lymphoma



Mesothelioma

### **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



Planned does with cord sparing



Target has shifted posteriorly



Plan applied to shifted target



Re-planning restores cord sparing

### **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**°



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