TomoTherapy[®] Hi·Art[®] Treatment System

Extending the power of the platform







The TomoTherapy[®] Hi·Art[®] treatment system has changed the way clinicians see and treat cancer:

- integrated CTrue[™] imaging makes daily image guidance a reality;
- a patented binary multi-leaf collimator (MLC) enables unprecedented dose control; and
- helical delivery offers a simple way to treat complex targets, while minimizing dose to surrounding structures.

Recent platform advances such as $StatRT^{TM}$ software and the High Performance Couch have enhanced system workflow, accuracy and throughput. With version 4.0 of the *Hi*·*Art* system, we build upon this momentum, offering new ways for more patients to benefit from this next-generation technology, now.

More treatment options. More patient treatments.

Hi-*Art* 4.0 adds two options to further enhance the efficiency and quality of advanced cancer care. For imaging, we have expanded technologies to offer real-time 3D body-surface scanning for streamlined patient set-up. And, for treatment, the all-new **TomoDirect**^m discrete-angle delivery mode provides an alternative to TomoHelicalTM delivery for routine cancer cases. Combined, the technologies expand the range of patients that can be optimally treated on the *Hi*-*Art* system. See back for details.



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Hardware and software releases improve system usability, functionality and throughput

Next-generation technology, now

- One system, two distinct delivery modes: *TomoHelical* and *TomoDirect*
- Patient-specific therapeutic needs decide treatment modality
- Tumor type and location determine use of imaging technologies
- Continuous couch motion eliminates need for beam matching, for even the longest treatment volumes
- Consistent process for all cases builds clinical confidence, improves throughput

Hi-Art treatment system case distribution				
Typical Case Mix	TomoHelical [™] + CTrue [™]	TomoHelical™ + surface scan	TomoDirect™ + CTrue™	TomoDirect™ + surface scan
Breast 19%			\bullet	\odot
Prostate 19%	Q			
Lung 14%			Ó	
Bone Mets 10%	•	•	•	\odot
Head & Neck 9%	\odot	•		
Colon & Rectum 7%	\odot			
Brain Mets 7%	•	\odot		
Brain 5%	\odot	•		•
Lymphoma 4%		•	\odot	
Skin 3%	•	\odot		
Soft Tissue Mets 2%	\odot	•	•	•
	v4.0 - More imaging/treatment options for every case			
	Before v4.0 One imaging/ treatment option			

Probable and potential distribution of standard case mix across Hi-Art 4.0 imaging and treatment modalities

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