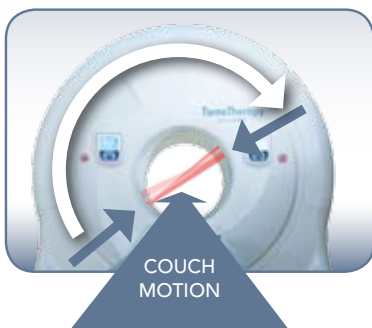
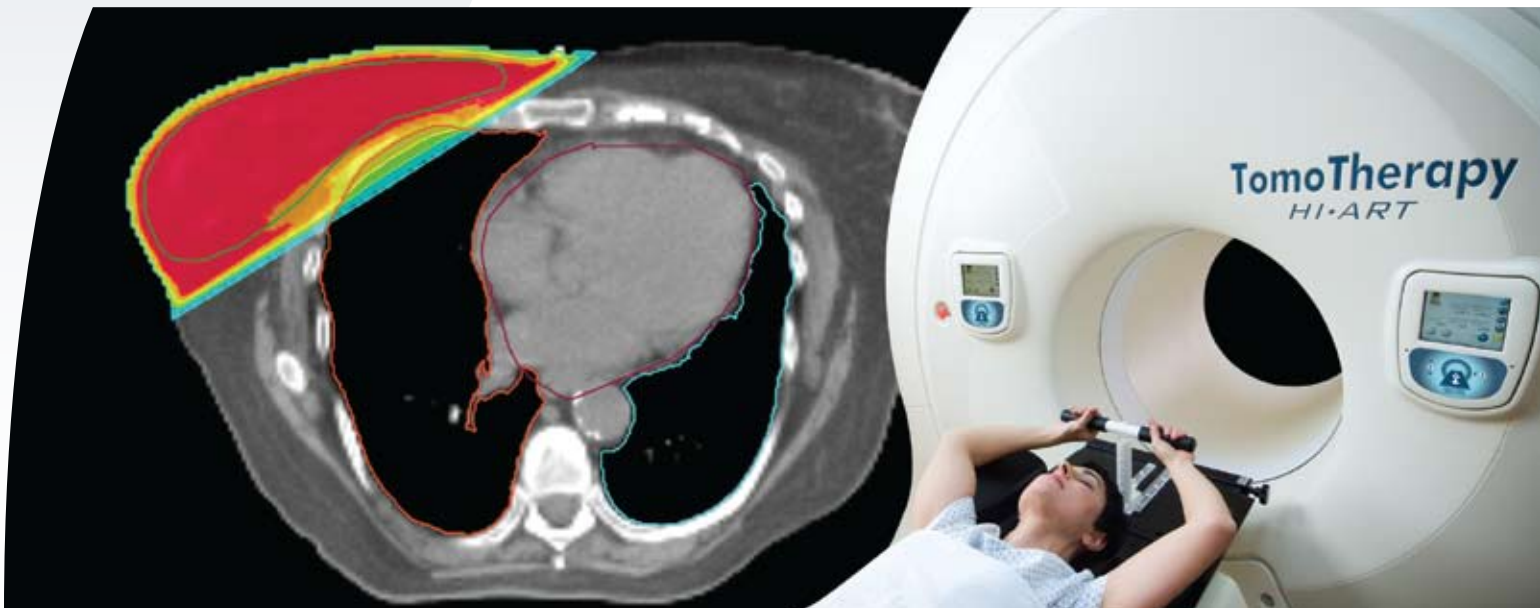


TomoDirect™

Applying platform power
for patient throughput

With a unique design and groundbreaking helical delivery pattern, the Hi·Art® treatment system has opened new possibilities in radiation therapy. Our latest innovation extends the reach of the *Hi·Art* system itself, enabling an efficient new way to bring *TomoTherapy* treatment quality to an even broader patient population.



Two tangential fan-beams
used to achieve dose
distribution shown above

Discrete-angle delivery with continuous couch motion

TomoDirect is a non-rotational treatment option for the *Hi·Art* system. It was developed as a clinical complement to the *TomoHelical*™ delivery mode, and allows users to plan and treat routine cases with greater efficiency, while maintaining the quality of our unique beamlet-based delivery.

With *TomoDirect*, the user can simply:

- choose up to 12 discrete angles for optimal target coverage;
- define a modulation level, or opt for tissue-compensated 3D conformal delivery;
- complete treatment planning quickly with all the power of the *Hi·Art* computing platform applied to a small number of beams; and
- deliver all beams for each target, sequentially, with a single turn of the operator console key.

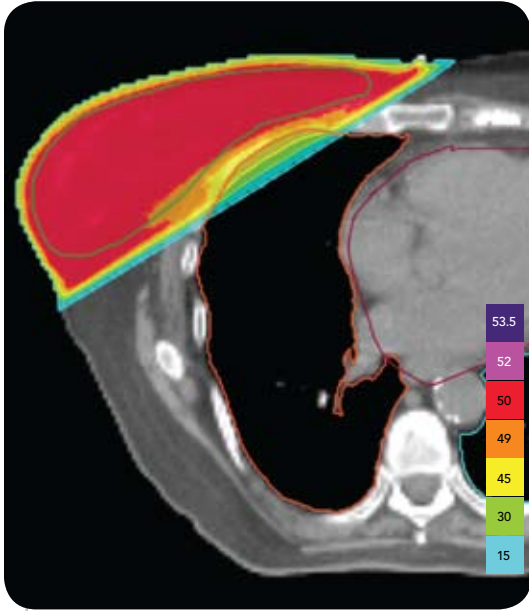
As with the *TomoHelical* mode, the treatment couch passes through the bore of the system during a *TomoDirect* delivery. This makes it possible for users to treat a target volume up to 160 cm in length, with no need to reposition the patient, and no field junctioning required.

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A direct response to customer requests

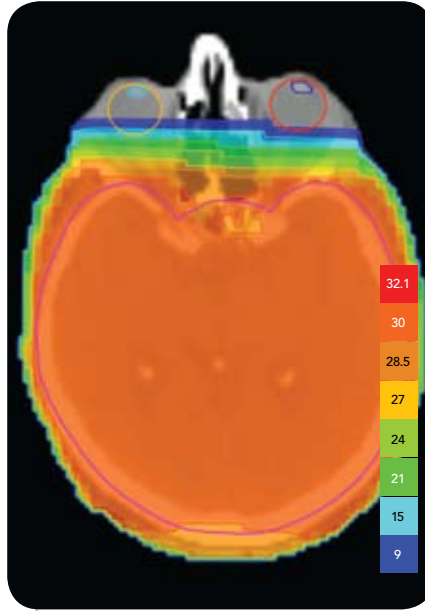
TomoTherapy is focused on helping cancer centers deliver the highest-quality radiation therapy to every patient who walks through the door. To fulfill this mission, we continually seek the input of existing and prospective customers to tell us what they need most from our next-generation technology. *TomoDirect* addresses a number of these critical needs.



TomoDirect facilitates breast treatments with a familiar “tangent-like” dose distribution that can be quickly planned and delivered.

Right breast tangential delivery

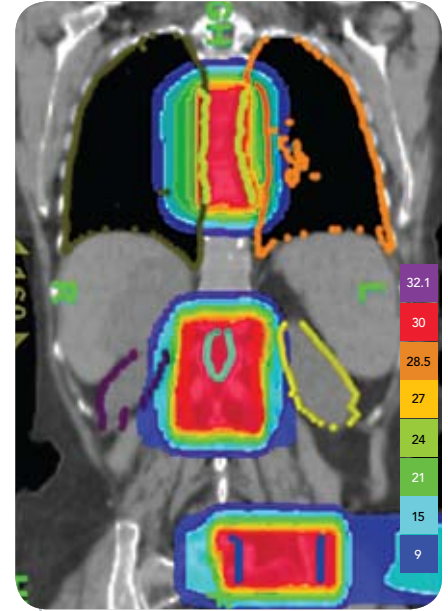
- Two tangential beams
- Planning time: ~ 10 minutes
- Treatment delivery time: ~ 2.5 minutes



TomoDirect provides innovative, yet simple planning and treatment delivery efficiencies for routine cases.

Whole brain treatment delivery

- Right and left lateral beams
- Planning time: ~ 10 minutes
- Treatment delivery time: ~ 2.2 minutes



TomoDirect brings gold-standard quality and workflow efficiency to fixed-gantry-angle treatments.

Three metastatic sites

- 11 treatment beams
- Planning time: ~ 10 minutes
- Treatment delivery time: ~ 10 minutes
- Automated delivery
- No shifting of the patient between sites
- No field junctioning