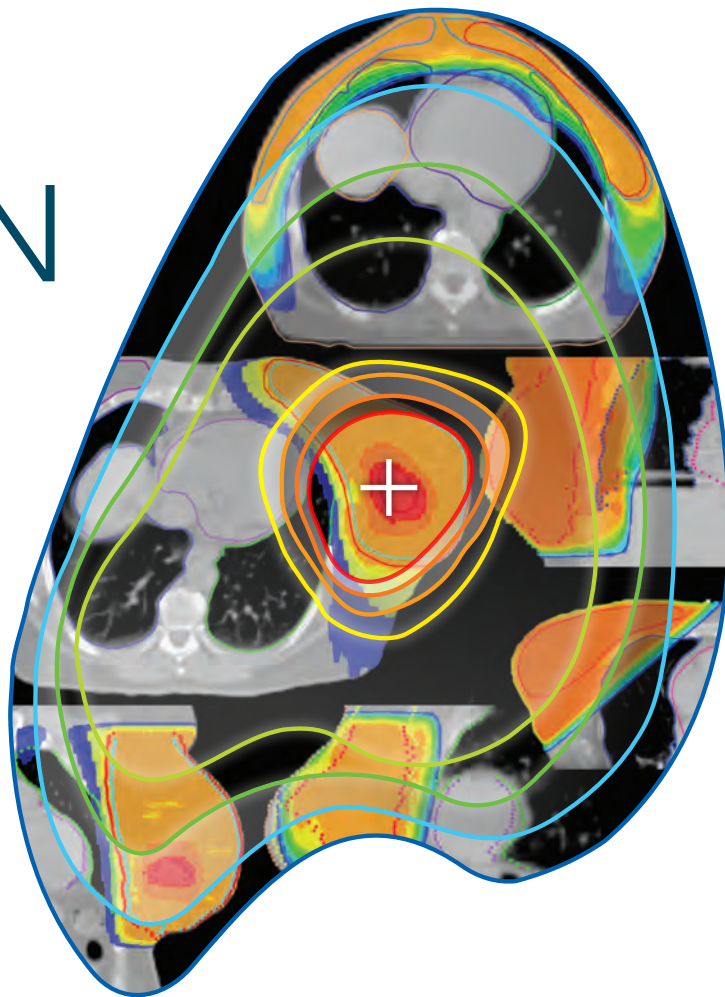


PRECISION MATTERS

for **BREAST CANCER**

The TomoTherapy® platform provides flexibility to adapt radiation therapy to any breast cancer patient's anatomy, delivering optimal coverage to target volumes with minimized cardiac dose and organ-at-risk exposure.

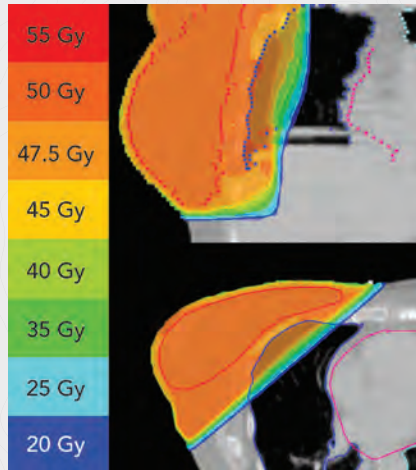


TomoTherapy®

ADVANCED RADIATION TREATMENTS

Conformal, Homogeneous Coverage

Breast conserving approach to whole right breast radiotherapy

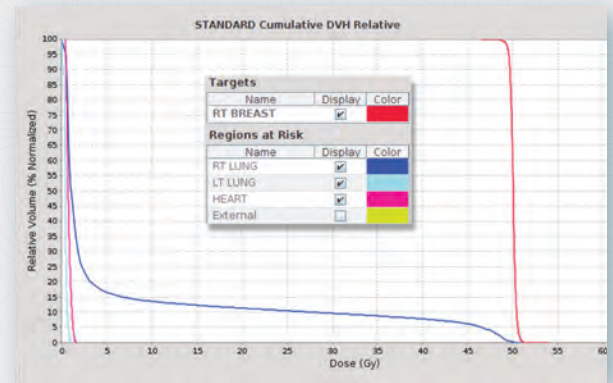


TomoDirect™
2 angles, 3DCRT

TomoEDGE™
5-cm Dynamic Jaws

VoLO™
Treatment Planning

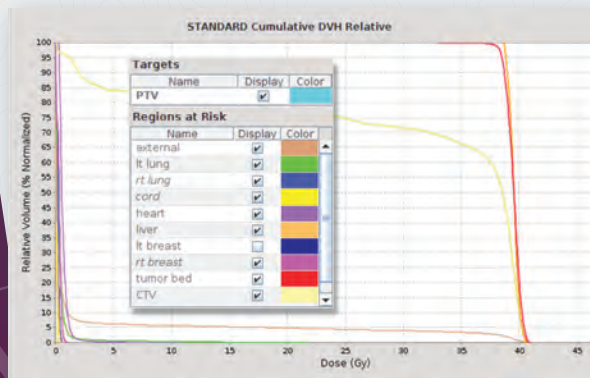
Beam-on time:
2.5 minutes



25 FRACTIONS, 50 Gy

Improved Patient Convenience

Accelerated partial breast irradiation of the left breast, prone position



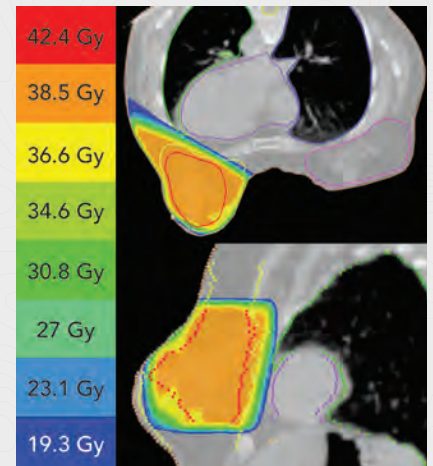
10 FRACTIONS, 38 Gy

TomoDirect™
4 angles, IMRT

TomoEDGE™
5-cm Dynamic Jaws

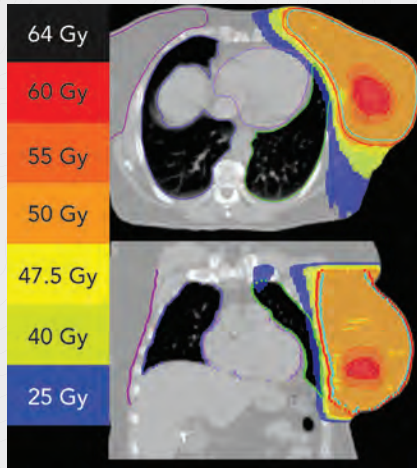
VoLO™
Treatment Planning

Beam-on time:
3.5 minutes



Simultaneous Integrated Boost

Left breast treatment with low cardiac dose and simultaneous integrated boost

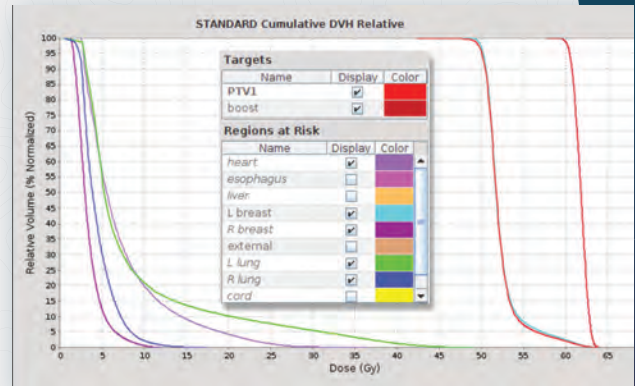


TomoHelical™
IMRT

TomoEDGE™
5-cm Dynamic Jaws

VoLO™
Treatment Planning

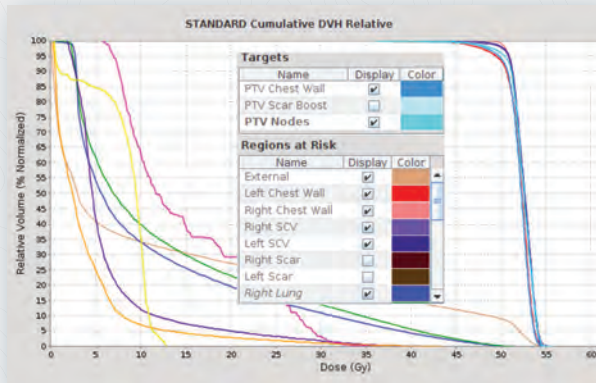
Beam-on time:
5.6 minutes



25 FRACTIONS, 50 Gy (WHOLE BREAST),
60 Gy (BOOST)

Complex and Long Volumes in One Delivery

Post-mastectomy irradiation of bilateral chest wall and nodes with a single plan



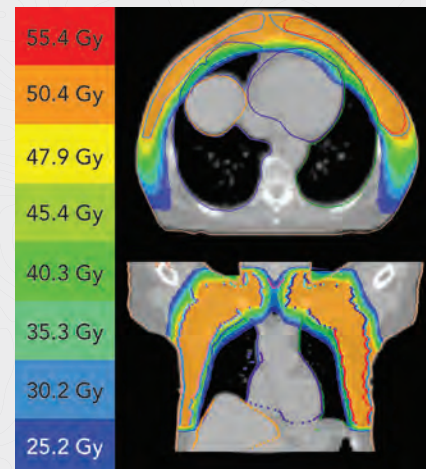
28 FRACTIONS, 50.4 Gy (CHEST WALL),
50.4 Gy (SUPRACLAVICULAR NODES)

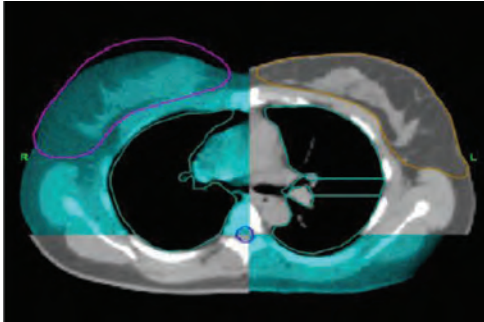
TomoHelical™
IMRT

TomoEDGE™
5-cm Dynamic Jaws

VoLO™
Treatment Planning

Beam-on time:
6.3 minutes





Reduced Margins and Accurate Patient Set-Up

The TomoTherapy® System provides the option of efficiently acquiring a CT image before each treatment. A very low dose (typically 1-2 cGy) is delivered per image. With practical daily imaging, planners gain the confidence necessary to reduce margins and therapists can assure accurate patient set-up throughout the course of treatment.

“Advantages include better conformity of treatment with lowering of dosages to underlying organs at risk, for example ipsilateral lung and heart. There is improved coverage of the planning target volume, including regional nodes, without field junction problems.”

- Clin Oncol (R Coll Radiol). 2009 May;21(4):294-301.

Early experience of tomotherapy-based intensity-modulated radiotherapy for breast cancer treatment.

O'Donnell H, Cooke K, Walsh N, Plowman PN.



Precise, innovative tumor treatments™

PRECISION MATTERS