



**VERSATILE,  
EFFICIENT AND  
EFFECTIVE FOR  
THE RANGE OF  
RADIATION  
ONCOLOGY  
PATIENTS**

***TomoTherapy***<sup>®</sup>  
RADIATION THERAPY

The TomoTherapy® TomoHDA™ System is **versatile** and **efficient**, enabling delivery of highly **effective** treatments for a wide range of patients and disease types.



## The premier offering of the TomoTherapy® H™ Series, the TomoHDA™ System:

- Enables helical delivery of radiation with dose tightly conformed to the target, precisely avoiding healthy tissue and critical structures.
- Facilitates an efficient, interactive approach to treatment planning, so clinicians can quickly develop the best plan possible to meet each patient's needs.
- Gives therapists a clear image of patient anatomy before every treatment, every day.
- Provides physicists with comprehensive, automated support for machine and patient-specific quality assurance.
- Guarantees 98 percent uptime and a built-in path to upgrades, optimizing system performance day-to-day and for the long run.

---

*“Our TomoTherapy Systems allow us to treat any patients that come to our department with better results and fewer side effects.”*

Pei-Wei Shueng, M.D.  
Far Eastern Memorial Hospital, Taiwan

---

# Spare more normal tissue for more cases, efficiently

*The TomoHDA™ System's CT-based platform enables continuous delivery from 360 degrees around the patient using TomoHelical™ Mode. A clinician also can choose to deliver from specific angles via TomoDirect™ Mode.*

Regardless of delivery style, the TomoHDA treatment table moves the patient through the center of the device. This fluid, precise motion makes it easy to treat multiple, and long, targets with a single set-up and one seamless pass.

Highly sculpted dose distributions are possible for every case treated with TomoTherapy® technology. The keys to optimal plan quality are:

- Modulation of the beam by the system's binary multi-leaf collimator.
- Shaping of radiation by the TomoEDGE™ Dynamic Jaws.
- Delivery of dose with thousands of individually optimized beamlets.

Better conformity of dose to the target means greater normal tissue sparing and reduced treatment toxicities. This combination makes a TomoTherapy treatment the gold standard in IMRT.

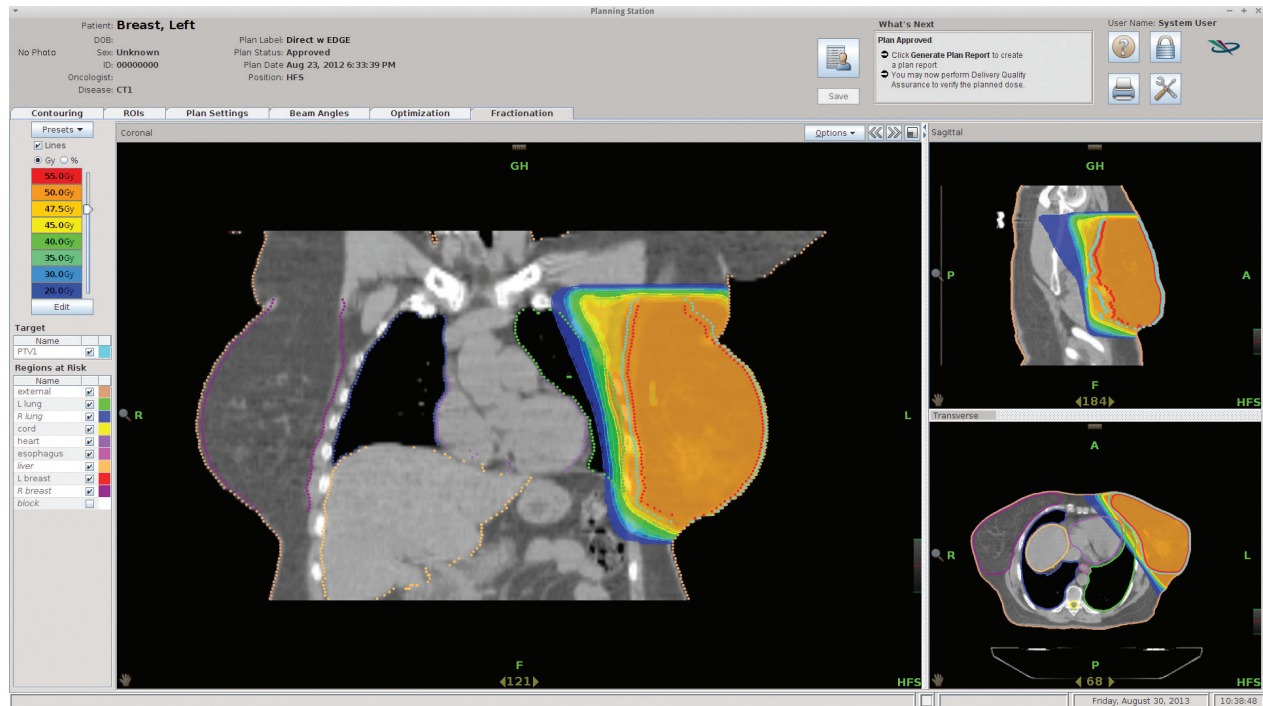
---

*"There's virtually nothing that you cannot treat with Tomo. It has really taken over the part of the workhorse in our department."*

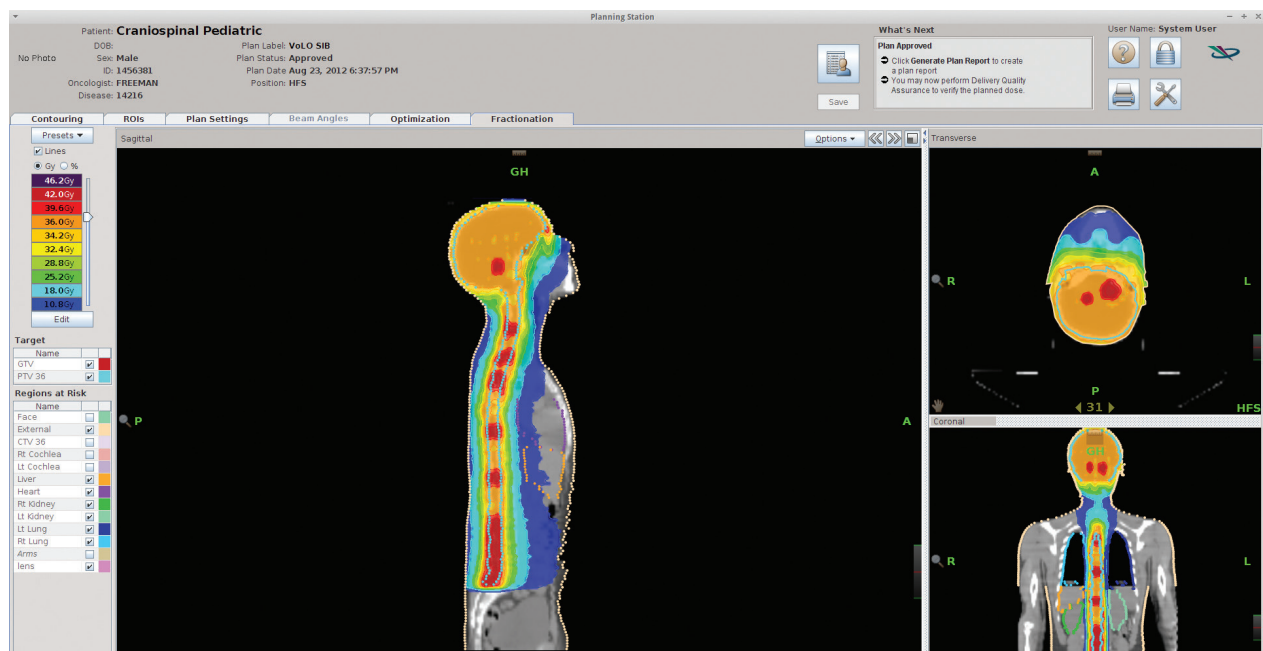
Florian Sterzing, M.D.  
Heidelberg University Medical Center, Heidelberg, Germany

---

# Delivery options that make a difference



*TomoDirect™ Mode; Left breast treatment, using 5 cm TomoEDGE™ Dynamic Jaws; Four beam angles; Beam-on time: 3.4 minutes*



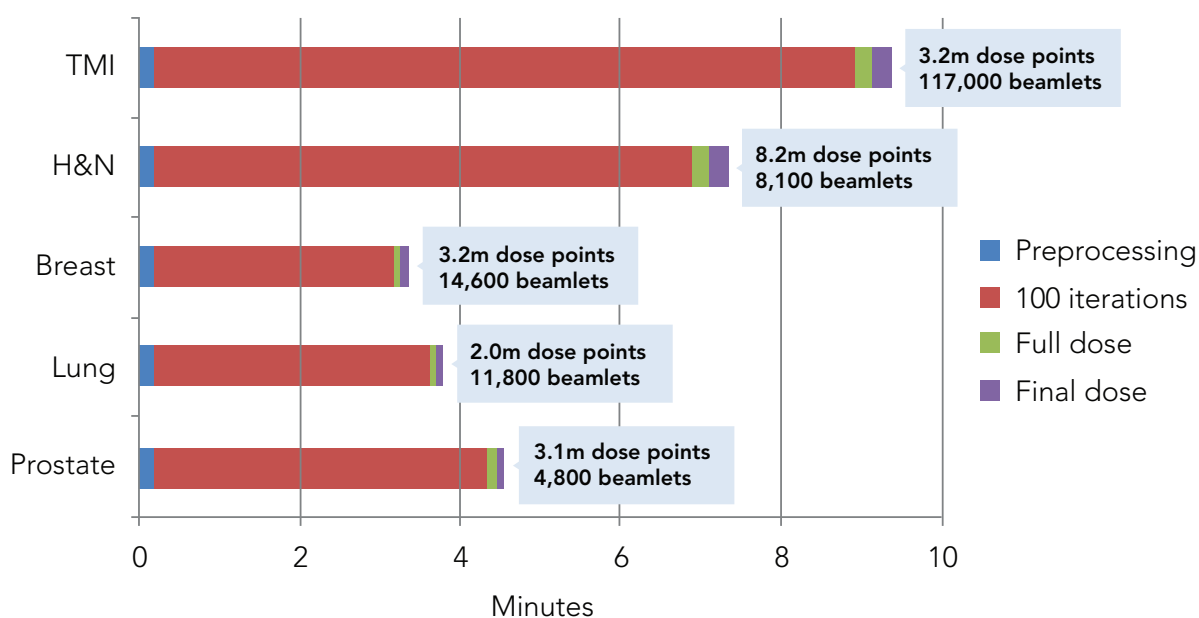
*TomoHelical™ Mode; Pediatric craniospinal treatment, using 5 cm TomoEDGE Dynamic Jaws; Target length: 69 cm; Beam-on time: 11.4 minutes*

# Develop better plans for more patients, faster

*A superior patient treatment begins with an excellent treatment plan. The TomoHDA™ System is designed to assist clinicians in creating the best plan possible to meet each of their patient's needs.*

VoLO™ Planning software enables optimization to begin as soon as contouring is completed and essential machine parameters are defined. Extra flexibility allows additional parameters to be explored and reviewed interactively, in real time, to further improve plan quality without slowing down the process.

Even the most sophisticated plans are now significantly easier and faster to achieve.



*“What once took three hours to plan now takes only 10 to 15 minutes with VoLO.”*

Patrick Guo, Ph.D.

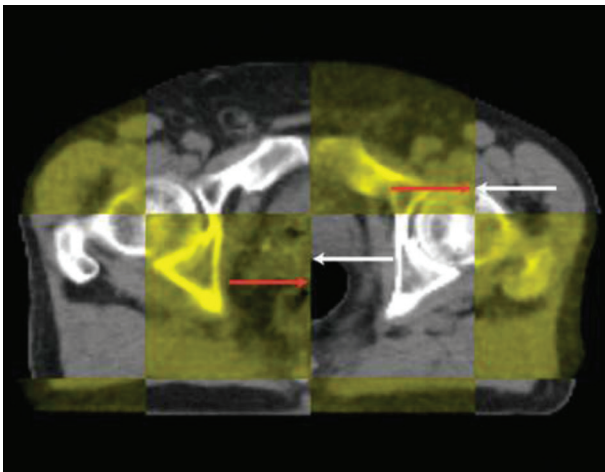
Sharp Grossmont Hospital, La Mesa, California, U.S.

# Apply image guidance for every patient, every day

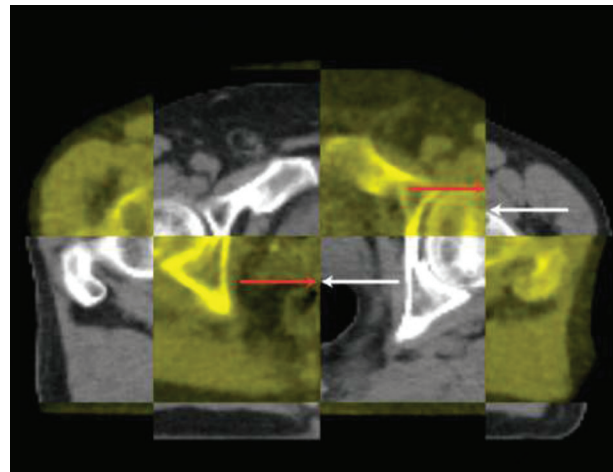
*The TomoHDA™ System easily integrates imaging into the treatment process to assure proper patient positioning and dose targeting. Daily CT imaging provides the confidence to reduce margins and spare more normal structures, helping to further minimize toxicities.*

Making innovative use of imaging, Planned Adaptive™ software enables review of daily CT images and dose to check that the delivery is consistent with the prescription. It also allows monitoring of the impact of anatomical changes to facilitate plan modification, if necessary.

There is an added benefit for patients with dental fillings or metal prostheses: MVCT images have fewer artifacts than kVCT, allowing better visualization of soft tissues. TomoHDA images can even be used for treatment planning in these cases.



*Bone-based localization: prostate-rectum boundary is misaligned*



*Soft tissue-based localization: prostate-rectum boundary is correctly aligned*

# Make quality assurance easy with integrated, automated tools

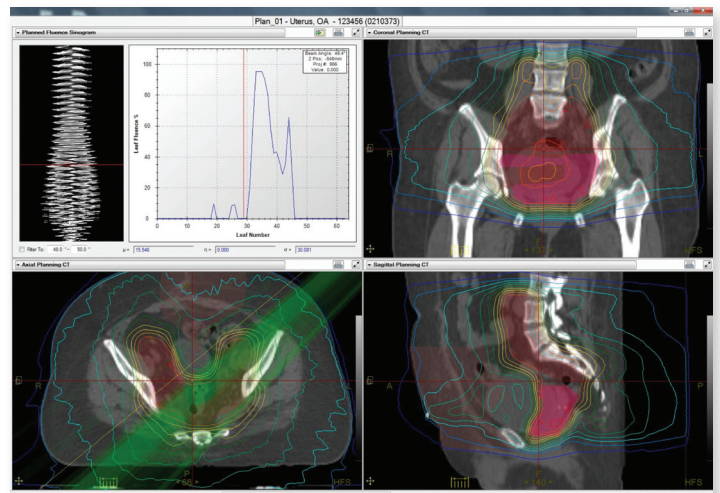
*The combination of TomoTherapy® Quality Assurance (TQA™) and Delivery Analysis™ gives physicists a wealth of information about machine performance and patient delivery.*

TQA provides automated analyses of routinely scheduled quality assurance tests, to save clinicians time and effort. Typically, therapists can run QA modules that check and analyze key machine performance characteristics in less than 10 minutes, with no additional equipment needed. Other modules can be run weekly or monthly to perform a variety of comprehensive tests, typically in 10–30 minutes. Performing similar tests using conventional quality assurance tools would take hours.

Delivery Analysis software is a new addition to the available quality assurance tool set for the TomoTherapy System. It harnesses MVCT exit detector data and offers powerful visualization tools to verify consistency in treatment delivery, fraction by fraction. The result is increased confidence among clinicians that the right treatment is being delivered to the patient every day.



*TQA software offers a calendar-based interface and a user-customizable alert system*



*Delivery Analysis software provides powerful visualization tools previously not available*



# Keep the system performing optimally, always

*The Accuray team is committed to supporting delivery of world-class care. To this end, customers can expect to have their TomoHDA™ System kept at optimal performance levels, day-to-day and over time.*

With the new Diamond Choice Service Agreement, customers can seamlessly ensure that their system is state-of-the-art with future upgrades included in the agreement.

With an uptime guarantee, Accuray service is aimed at providing peace of mind for customers. The Accuray approach to service and support has consistently resulted in the highest composite rating for customer satisfaction among radiation oncology vendors.\*

**md buyline**

\* MD Buyline Market Intelligence Briefing, Q3 2013 - Q2 2015

---

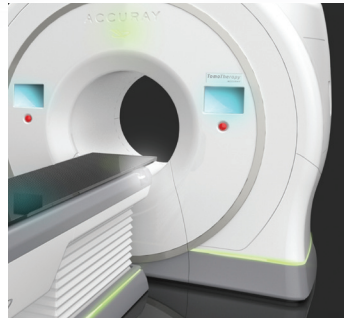
*“Accuray has done an excellent job of developing the next generation TomoTherapy System. They have worked with the TomoTherapy team to prioritize the issues or the features that the users really want, specifically reliability, and flexibility with treatment planning and delivery.”*

Daniel Low, Ph.D.  
UCLA Radiation Oncology, Los Angeles, California, U.S.

---

**TomoTherapy®**  
ACCURAY®

# TOMOTHERAPY® H™ SERIES: VERSATILE, EFFICIENT AND EFFECTIVE

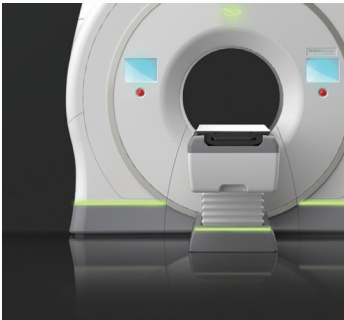


Versatile, efficient  
and effective for the  
range of radiation  
oncology patients

## **TomoHDA™ System**

*The ultimate versatility in treatment delivery with highly effective and efficient patient treatments, and fast concurrent treatment planning.*

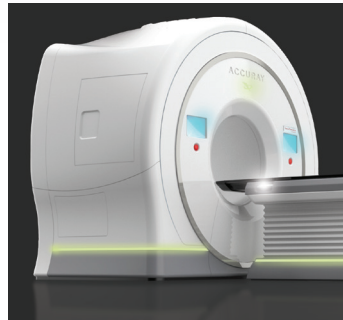
- TomoHelical™ Mode
- TomoDirect™ Mode
- 1, 2.5 and 5 cm jaw sizes
- High Performance VoLO™ Planning
- Integrated MVCT imaging
- OIS interface (to Aria or MOSAIQ)
- Remote Software Solutions
- Planned Adaptive™ software
- TomoEDGE™ Dynamic Jaws
- TomoTherapy® Quality Assurance (TQA™) Total Package



## **TomoHD™ System**

*The full spectrum solution for any radiation oncology center, providing high quality treatments to every patient for any clinical indication requiring radiation therapy.*

- TomoHelical™ Mode
- TomoDirect™ Mode
- 1, 2.5 and 5 cm jaw sizes
- Standard VoLO™ Planning
- Integrated MVCT imaging
- OIS Interface  
(to Aria or MOSAIQ)
- Remote Software Solutions
- TomoTherapy® Quality Assurance (TQA™) Essentials Package



## **TomoH™ System**

*The gold standard for rotational IMRT treatment delivery, providing streamlined daily image guidance and ultrafast binary MLC modulation to deliver excellent target homogeneity and normal tissue sparing.*

- TomoHelical Mode
- 1, 2.5 and 5 cm jaw sizes
- CPU optimizer
- Integrated MVCT imaging
- TomoTherapy Quality Assurance (TQA) Essentials Package

# TomoTherapy®

VERSATILE, EFFICIENT AND EFFECTIVE



## UNITED STATES

### Accuray Corporate Headquarters

1310 Chesapeake Terrace  
Sunnyvale, CA 94089  
USA

Tel: +1.408.716.4600  
Toll Free: 1.888.522.3740  
Fax: +1.408.716.4601  
Email: [sales@accuray.com](mailto:sales@accuray.com)

### Accuray Incorporated

1240 Deming Way  
Madison, WI 53717  
USA

Tel: +1.608.824.2800  
Fax: +1.608.824.2996

## ASIA

### Accuray Japan K.K.

Shin Otemachi Building 7F  
2-2-1 Otemachi, Chiyoda-ku  
Tokyo 100-0004  
Japan

Tel: +81.3.6265.1526  
Fax: +81.3.3272.6166

### Accuray Asia Ltd.

Units 910-11, Ocean Centre  
Harbour City  
5 Canton Road, T.S.T  
Hong Kong

Tel: +852.2247.8688  
Fax: +852.2175.5799

### Accuray Accelerator Technology (Chengdu) Co., Ltd.

No. 8, Kexin Road  
Hi-Tech Zone (West Area)  
Chengdu  
611731 Sichuan  
China

## EUROPE

### Accuray International Sarl

Route de la Longeraie 9 (3rd floor)  
CH - 1110 Morges  
Switzerland

Tel: +41.21.545.9500  
Fax: +41.21.545.9501