



# DELIVERY ANALYSIS™

ADDED CONFIDENCE FOR EVERY PATIENT,  
EVERY FRACTION

Delivery Analysis™ software for the TomoTherapy® and Radixact™ Treatment Delivery Systems provide enhanced confidence in performance before each treatment, and actionable insights to help ensure all treatments stay on track.

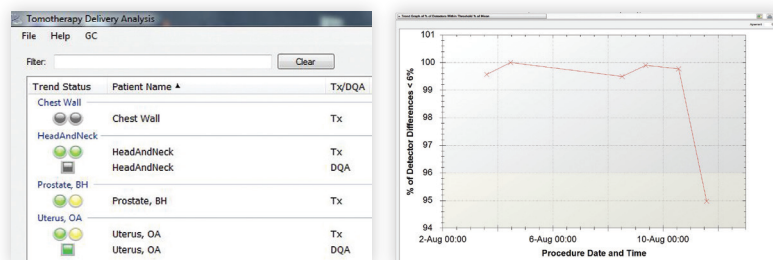
## Powerful Data

By automating the collection of comprehensive treatment delivery information, Delivery Analysis allows for quantitative comparisons between planned and measured procedures.

- **For every patient, test the multileaf collimator (MLC)** using pulse-by-pulse detector signals to measure differences between expected and delivered MLC performance. If inconsistencies exist, the Delivery Analysis software will show both the source of the difference and the potential dosimetric impact to the patient.
- **For every fraction, an analysis of exit fluence** is generated from exit detector data. Users can easily see if a particular fraction was not delivered as expected because of possible patient positioning issues, anatomical changes or machine performance.

## Intuitive Interface

For all measured data, Delivery Analysis presents data in an easy-to-understand dashboard. This dashboard enables you to see “at a glance” results for all pre-treatment and in-treatment analyses for all patients. Alert levels are configurable by the clinician.



*The dashboard-based interface for Delivery Analysis is modeled upon the highly successful TQA™ application*

For each patient, and for each delivered fraction, the clinician can also review the data in detail. The interface provides four views that can be customized by users to display key information, including: MLC and exit-detector sinograms; CT images with and without calculated dose; MLC leaf histograms; and dose volume histograms (DVHs).

**See back for more details.**

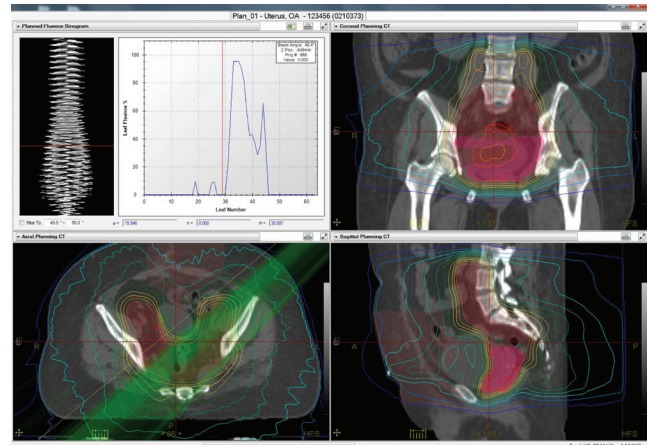
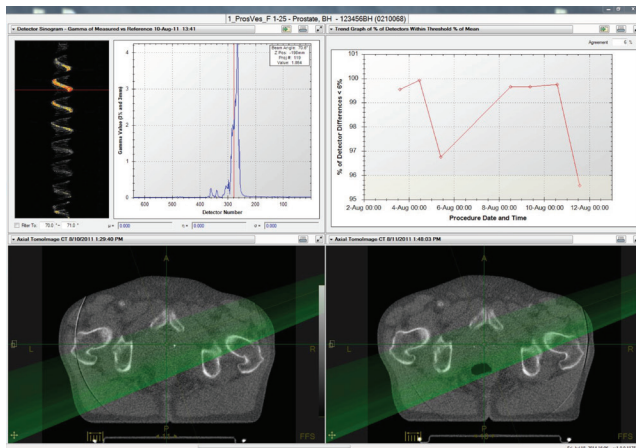
**Radixact™ TomoTherapy®**

## Confirmation and Consistency

Delivery Analysis™ uses a wealth of data captured from the unique architecture of the TomoTherapy® and Radixact™ Treatment Delivery Systems to improve clinical confidence before and after each treatment fraction.

### Pre-treatment capabilities

- Reconstruct measured MLC delivery pattern via leaf open times
- Calculate dose distribution based on reconstructed MLC delivery pattern
- Automatically analyze and compare planned and measured MLC delivery patterns
- Compare original planned and recalculated dose, including gamma distance to agreement test



### In-treatment capabilities

- Compare detector data between selected treatment fractions, both visually and with gamma distance to agreement test
- Analyze and trend differences and other metrics based on detector data for all delivered fractions
- Assess delivery consistency throughout the treatment course
- Visualize treatment delivery for every angle with powerful tools, including ganged images and graphs

### Added Confidence, Available Now

Delivery Analysis software is compatible with all new TomoTherapy and Radixact Systems and any installed system using software version 2.0.5 (H™ Series or TomoHD™; corresponds to Hi-Art® 5.0.5) or above. A single workstation, included with the software, can support multiple systems.

#PRECISION MATTERS

**For more information, please contact  
your Accuray sales representative.**

#### Important Safety Information

Most side effects of radiotherapy, including radiotherapy delivered with Accuray systems, are mild and temporary, often involving fatigue, nausea, and skin irritation. Side effects can be severe, however, leading to pain, alterations in normal body functions (for example, urinary or salivary function), deterioration of quality of life, permanent injury, and even death. Side effects can occur during or shortly after radiation treatment or in the months and years following radiation. The nature and severity of side effects depend on many factors, including the size and location of the treated tumor, the treatment technique (for example, the radiation dose), and the patient's general medical condition, to name a few. For more details about the side effects of your radiation therapy, and to see if treatment with an Accuray product is right for you, ask your doctor.

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