Physics Differences for TomoTherapy® with iDMS®

Product Training for Medical Physicists who are confident users of the TomoTherapy® Treatment Delivery System and only need software training for a transition to the Radixact® System or upgrade to the TomoTherapy System with iDMS®.

This virtual course does not include training on commissioning and quality assurance (QA), except where the workflows have changed from the legacy TomoTherapy System.

- **NOTE:** If an introduction or refresher on commissioning and QA is needed, the Medical Physicist should attend the Radixact Physics Essentials course (4.5 days) instead of the iDMS Physics Differences course.
- **NOTE:** The iDMS Physics Differences course only includes Accuray Precision® Treatment Planning System training for physics-specific QA tasks. Physicists who perform patient treatment planning should also attend an Accuray Precision Planning course.
- **NOTE:** The iDMS Physics Differences course does not cover the Radixact Synchrony® feature. In addition to the Radixact Physics Essentials course or iDMS Physics Differences course, Synchrony users should attend the Radixact Synchrony Physics course.

**COURSE OBJECTIVES**

Upon completion of this course, attendees will be able to:

- Navigate the new software: Treatment Delivery Console, Accuray Precision Treatment Planning System, and iDMS Data Management System
- Identify workflow changes to planning, delivery, and data management
- Radixact System users: Describe new hardware features
- TomoTherapy System users upgrading to iDMS: Identify physics tasks to ensure a smooth upgrade

**SKILLS**

Upon completion of this course, attendees will be able to perform the following tasks:

- Create a basic treatment plan and a patient QA plan on the Accuray Precision System
- Deliver a treatment fraction on the Treatment Delivery Console, and address pauses and interruptions

**COURSE FORMAT**

Instructor-led presentations
System demonstrations

**COURSE PRE-WORK**

Not Applicable

**DURATION**

Two four-hour online sessions

**TARGET AUDIENCE**

Medical Physicists

**PARTICIPANT BACKGROUND**

Current TomoTherapy user
Confident in commissioning and QA of a TomoTherapy System. Confident user of dynamic jaws and the TomoDirect™ feature.

**NO CE CREDITS OFFERED**
- Perform administrative tasks on the iDMS System
- Address service changes to machine data
- TomoTherapy System users upgrading to iDMS: Manage plans under treatment during the upgrade to iDMS

## Course Outline

**Note:** Course agenda is subject to change without notice.

### DAY ONE:
**Introduction to the Accuray Precision® Treatment Planning System**
- Overview of new system features
- Create a basic treatment plan:
  - Navigate the new software
  - Briefly review physics tips for planning
- Perform administrative tasks
- Manage mass density models
- Create a patient QA plan
- Locate data for plan chart checks
- Create absolute dose calibration plans

### DAY TWO:
**Breakout Session:**
**Radixact® Treatment Delivery System**
- Delivery workflow changes:
  - Start-up/shutdown
  - Radixact® Couch
  - Deliver treatment procedures
  - Address pauses and interruptions
  - Load machine QA procedure files
- Address service changes to machine data
- Delivery Analysis® software overview
- Introduce new TQA™ (Total Quality Assurance) modules

### DAY TWO:
**Breakout Session:**
**TomoTherapy® System Upgrade to iDMS®**
- Navigate the Treatment Delivery Console (TDC) software
- Address service changes to machine data
- Identify steps to prepare for the upgrade
- Transfer active TomoTherapy® plans for delivery on your upgraded system
- Delivery Analysis® software overview
- Introduce new TQA™ (Total Quality Assurance) modules