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

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- 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