

Radixact® Treatment Delivery (C)

Product Training for the Radixact® Treatment Delivery System.

The in-person treatment delivery course is designed for operators of the Radixact Treatment Delivery System. This course teaches the skills required to deliver treatments and perform basic data maintenance. The Synchrony® motion tracking and correction feature, including theory and delivery for motion tracking plans will also be covered in this course. This course will also introduce users to the VitalHold™ feature that allows the integration of the Radixact System with an External Monitoring System to provide Surface Guided Radiation Therapy (SGRT) solutions.

The in-class portion provides hands-on practice operating the machine and treating anthropomorphic phantoms. Attendees will have an opportunity to apply the skills taught in a practical, problem-solving context to prepare them to operate the system in a clinical setting.

This course meets the core curriculum requirements for Radixact New System Implementation.

COURSE OBJECTIVES

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

- Identify and describe key system components
- Explain patient setup steps, including pre-planning CT requirements
- Describe a Radixact System treatment workflow to a patient
- Summarize the clinical operation and safety considerations for using the Radixact System
- Explain what the VitalHold feature capabilities are on the Radixact System

COURSE FORMAT

In-Person:

- Instructor-led presentations
- System demonstrations
- Hands-on labs

COURSE PRE-WORK

Optional online modules available on [Accuray Exchange](#)

DURATION

Three (3) days

TARGET AUDIENCE

Radiation Therapists

PARTICIPANT BACKGROUND

Knowledge of the standards of practice in the field of radiation oncology

CE CREDITS

Eighteen (18) MDCB
Category A CE Credits

SKILLS

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

- Load the patient on the treatment couch and perform initial patient positioning
- Perform image-guided registration and deliver TomoHelical™, TomoDirect™ and Synchrony® Treatment Delivery Plans
- Recover from common system errors / Emergency Stops and resume treatment after treatment interruptions

- Setup and perform surface guided monitoring using the VitalHold feature
- Re-mark a patient
- Work with system reports and patient records

Course Outline

Note: Course agenda is subject to change without notice.

DAY ONE

- Introduction to the Radixact® Treatment Delivery System
- Overview of the treatment delivery software and components
- Patient Preparation
- Machine start up and shut down processes
- Introduction to laser alignment system
- Couch components and functionality
- Perform system startup, machine warmup, air scan, and CT Number Calibration procedures

DAY TWO

- Review TomoHelical™ treatment delivery
- Practice image registration procedures Scan/Register/Treat anthropomorphic phantom
 - TomoHelical
- Review System Reports
- Review TomoDirect™ treatment delivery
- Practice image registration procedures Scan/Register/Treat anthropomorphic phantom
 - TomoDirect
- Deliver machine interruption and completion procedures

DAY THREE

- Introduction to Synchrony® on Radixact
- Scan/Register/Treat CIRS Motion Phantom
 - Synchrony® Fiducial Tracking™
 - Synchrony® Fiducial Tracking™ with Respiratory Modeling™
 - Synchrony® Lung Tracking™ with Respiratory Modeling™
- Perform Simulation Mode procedure for Synchrony
- Introduction and overview of VitalHold™ feature on the Radixact Treatment Delivery System
- Process for remarking patient

