

Treatment Delivery for Radixact® (O)

Product Training for the Radixact® Treatment Delivery System.

The Radixact Treatment Delivery virtual 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 course curriculum blends conceptual instruction on treatment delivery with detailed presentations and workflow demonstrations to allow attendees to perform specific steps on the Radixact System. 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 required 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

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

COURSE FORMAT

Remote:

- Instructor-led presentations
- System demonstrations

COURSE PRE-WORK

Optional online learning modules are available via AEx:

- https://accurayexchange.com/ace-training/radixact/course-documents/?_sft_rxt_course_name=rxt-treatment-delivery

DURATION

Three (3) days

TARGET AUDIENCE

Radiation Therapists

PARTICIPANT BACKGROUND

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

CE CREDITS

Twelve (12.0) MDCB
Category A CE Credits

- 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
 - TomoHelical™
- Review System Reports
- Review TomoDirect™ treatment delivery
- Practice image registration procedures
 - TomoDirect™
- Deliver machine interruption and completion procedures

DAY THREE

- Introduction to Synchrony® on Radixact
- Practice image registration procedures
 - Synchrony® Fiducial Tracking™
 - Synchrony® Fiducial Tracking™ with Respiratory Modeling™
 - Synchrony® Lung Tracking™ with Respiratory Modeling™
- Perform Simulation Mode procedure for Synchrony®
- Practice treatment delivery procedures
- Introduction and overview of the VitalHold feature on the Radixact Treatment Delivery System