

# Treatment Delivery for Radixact® (C)

Product Training for the Radixact® Treatment Delivery System.

The 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.

The Treatment Delivery course has two components: pre-work and in-class work. Foundational system concepts and workflows are introduced by completing e-learning modules prior to attending class. 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 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 to a patient
- Discuss the typical treatment workflow
- Summarize the clinical operation and safety considerations for using the Radixact System

## COURSE FORMAT

Instructor-led presentations  
System demonstrations  
Hands-on labs

## COURSE PRE-WORK

Assigned online learning modules are designed to augment classroom curriculum

## 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
- 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 system
- Couch components and functionality
- Perform system startup, machine warmup, air scan
- Perform CT Number Calibration procedure

### 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®
- Practice treatment delivery procedures
- Process for remarking patient