Accuray Precision® Treatment Planning for the Radixact® System (C)

Product Training for the Accuray Precision® Treatment Planning System on the Radixact® Treatment Delivery System

The Radixact® Treatment Planning course is designed for Dosimetrists, Medical Physicists, and clinical personnel responsible for the development and optimization of clinical treatment plans using the Accuray Precision® Treatment Planning System. This course includes a comprehensive overview of the tools and capabilities of TomoHelical™ and TomoDirect™ using VOLO™ Classic and VOLO™ Ultra, and Synchrony® motion tracking planning using IMRT, 3DCRT and Forward Planning.

The course curriculum blends conceptual instruction on treatment planning with hands-on lab exercises to allow attendees to develop and apply practical skills. Instruction progresses from fundamentals through advanced planning techniques. The unique aspects and considerations for planning Radixact® Treatment Delivery System treatments are addressed. Attention is given to different clinical applications, including intracranial and extracranial treatments, to provide clinical context for the skills being taught.

This course meets core curriculum required for Radixact® New System Implementation.

COURSE OBJECTIVES

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

- Describe the typical treatment planning workflow and the physics of planning
- Identify different planning techniques for TomoHelical™ and TomoDirect™ using VOLO™ Classic and VOLO™ Ultra, and TomoHelical with Synchrony® using IMRT & 3DCRT

SKILLS

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

- Navigate through the Accuray Precision® Treatment Planning System
- Fuse images and contour volumes of interest (VOI)
- Generate TomoHelical™ and TomoDirect™ using VOLO™ Classic and VOLO™ Ultra, and TomoHelical with Synchrony® using IMRT & 3DCRT
- Become familiar with the tabs and common tools on the Precision planning system and the workflow needed to successfully plan patients

COURSE FORMAT
In-person
Instructor-led presentations
System demonstrations
Hands-on labs

COURSE PRE-WORK
Optional online modules available on AERO®

DURATION
Three (3) days

TARGET AUDIENCE
Dosimetrists
Medical Physicists

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

CE CREDITS
Nineteen and one-half (19.50)
MDCB Category A CE Credits

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- Understand the use of the PreciseART® Adaptive Radiation Therapy option and the PreciseRTX® Re-treatment option
- Review patient and plan reports

Course Outline

Note: Course agenda is subject to change without notice.

DAY ONE

- Introduction to the Accuray Precision® Treatment Planning System
- Overview of the Accuray Precision System planning software and User Interface
- Image Import and Fusion
- Contouring Tools and AutoSegmentation™
- Review pitch and modulation along with overlap priorities
- Create IMRT plans using VOLO™ Classic

DAY TWO

- Generate and compare breast plans using TomoHelical™, TomoDirect™ and Forward Planning methods (use the Compare feature to compare different points of each breast plan)
- Create treatment plans on numerous areas of the body
- Review and discuss VOLO™ Ultra parameters for TomoHelical™ and TomoDirect™
- Compare VOLO™ Ultra Optimization with VOLO™ Classic Optimization
- Create VOLO™ Ultra treatment plans

DAY THREE

- Planning exercises utilizing various plan parameters, Plan Evaluation
- Review of PreciseART® and PreciseRTX® uses and general workflow
- Overview of the Synchrony® features and patient selection guidelines
- Create TomoHelical™ with Synchrony® treatment plans with and without fiducials

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