

Three (3) day Clinical Applications Training includes basic Hi-Art System function and operational instruction for the Planning Station. The training course is provided at TomoTherapy's Technology and Training Center in Madison, Wisconsin, USA.

Tuition fee covers one (1) Clinical staff member. Associated travel and living expenses are not included in tuition fee.

A certificate of completion and continuing education (CE) credit will be provided upon successful completion of the class.

## **Planning Station Training: Course Outline**

### **Day 1**

#### **I. Registration**

#### **II. What to Expect**

- a. Course Overview / Goals

#### **III. TomoTherapy vs. Conventional Linacs**

- a. Helical Delivery
- b. Beam Collimation
- c. Radiation Shielding
- d. Imaging Capability
- e. Planning
- f. System Integration

#### **IV. Pre Planning CT Requirements**

- a. Contrast
- b. Bolus
- c. Position on table
- d. Fiducial marks
- e. CT couch height

#### **V. Introduction to Planning Station**

- a. Startup of the system
  - i. Logon to computer and software
  - ii. Pull up prostate plan
- b. Common Frame
  - i. Patient demographics
  - ii. Patient Selector
  - iii. What's Next help
- c. CRS Admin Console
- d. ROI Tab
  - i. Image viewer
  - ii. Contour editing tools
  - iii. Tumor vs. RAR
  - iv. Overlap priority
  - v. Display options
  - vi. Use of a structure
  - vii. Lasers
    - 1. Red vs. Green
    - 2. Significance of laser placement
- e. Optimization Tab

## **Day 1 (con't)**

- viii.** Prescription settings
  - ix.** Field width
  - x.** Pitch
  - xi.** Dose Calculation Grid
  - xii.** Tumor Constraints
  - xiii.** Sensitive structure constraints
  - xiv.** Optimization Modes
  - xv.** Optimization tools
  - xvi.** Get Full Dose significance
  - xvii.** DVH Display tools
  - f.** Fractionation Tab
    - i.** How to change fraction number
    - ii.** Fractionation schedule (dates)
    - iii.** Final Dose
    - iv.** Plan Accept
      - 1.** Significance of an Accepted plan
- VI. Q&A**

## **Day 2**

### **I. Create individual plans**

- a.** Head and Neck- create individual plans and compare results using different plan parameters.
- b.** Esophagus- create individual plans using the assignment given.

### **II. Q&A**

## **Day 3**

### **I. Create individual plans with TomoTherapy supervision**

- a. User's choice (Brain plan or Renal Fossa plan) using the assignment given.

### **II. Common Frame Tools**

- a. Archive and Retrieve
- b. Patient Photos
- c. User Maintenance

### **III. Introduction to the Operator's Station**

- a. Startup of the system
  - i. Logon to computer and software
- b. Safety Mechanisms
- c. Demonstration of a treatment procedure
- d. Reviewing treatments
  - i. Treatment report
    - 1. Initial couch position
    - 2. Review registration adjustment documentation
    - 3. Viewing a patient's MVCT images at a later time/date

### **IV. Cluster Overview**

- a. Logon and password for all nodes and dataserver
- b. Database Backup
- c. DICOM services
- d. Master node/ Node 1
  - i. mpi user
  - ii. Startup Cluster and Optimizer server
- e. Log files
  - i. Where they are located
  - ii. Significance of

### **V. Checklists**

### **VI. User Manuals and Release Notes**

### **VII. Final Q&A**

### **VIII. Course Evaluations**