

Conference of Radiation Control Program Directors

Radiation Therapy Inspector Training/Update on New Technology

Friday, May 4, 2012

Didactic Session

7:00 – 8:00	Breakfast
8:00-9:00	Introduction to Radiation Oncology: Equipment, process and importance of quality in RO
9:00-10:00	Linear Accelerator Quality Assurance: Protocols (TG 40, TG51, TG142, upcoming TG100), measurement equipment, and procedures
10:00-10:30	Coffee Break
10:30 -11:30	Treatment Planning Systems: Description, Clinical Implementation, and Quality Assurance
11:30 -12:30	High Dose Rate Brachytherapy: Description, Clinical Implementation, and Quality Assurance
12:30 -1:30	Lunch
1:30-2:30	New technologies in radiation oncology: Description and special considerations for CBCT, Tomotherapy, CyberKnife, high-dose rate linacs
2:30-3:15	Classification and prevention of errors in radiation oncology
3:15-4:00	Inspection Protocol – Bill Dundulis
4:30	Board bus for MD Anderson Cancer Center Orlando

Demonstrations 5-8 pm (6 separate stations each lasting 30 minutes, groups of 5-10 in each group)

High Dose Rate Brachytherapy
Water scanning – (on 23IX)
On-board imaging and multileaf collimator QA
Spatial QA for radiosurgery/IGRT (Novalis)
IMRT QA (Tomotherapy) -
CT simulator QA