

**Training Course on Selection, Acceptance, Commissioning and Maintenance of Radiotherapy Equipment,
UT MD Anderson Cancer Center, Houston, TX, USA May 9 - 20, 2016**

Day Time	Monday May 9	Tuesday May 10	Wednesday May 11	Thursday May 12	Friday May 13	Saturday May 14	Sunday May 15
9:00-10:30	Opening and Welcome (Ibbott) The RT treatment of the cancer patient, a modern approach (Aguirre)	Planning the purchase of equipment, design of specs, the purchase team (Pipman)	Commissioning tests on a linear accelerator – the what (Ibbott)	Commissioning tests on a linear accelerator, – the how (Electrons) (Court)	Trip to NASA Space Center and Kemah	Starting at 8AM LABS at MD Anderson Cancer Center (Gao, Pollard, Pipman, Lawyer, Juneja)	Starting at 8AM LABS at MD Anderson Cancer Center (Gao, Pollard, Sastry, Pipman, Juneja)
10:30-10:45	Group Photo			Coffee/Tea Break			
10:45-12:00	Linear accelerators for radiotherapy-overview (Pipman)	Acceptance tests on a linear accelerator (Ibbott)	EBRT record and verify techniques, checklists, commercial systems, hand calcs (Pino)	Commissioning of hard, universal and virtual wedges with practical examples (Court)	Trip to NASA Space Center and Kemah	LABS at MD Anderson Cancer Center (Gao, Pollard, Pipman, Lawyer, Juneja)	LABS at MD Anderson Cancer Center (Gao, Pollard, Sastry, Pipman, Juneja)
12:00-1:00	Lunch Break						
1:00-3:00	Subsystems of a linear accelerator (Pipman)	Imaging systems and methods for RT (Van Dyk)	Commissioning tests on a linear accelerator, – the how (Photons) (Balter)	Commissioning and care of physics equipment for acceptance, commissioning and QA (Waldron)	Trip to NASA Space Center and Kemah	LABS at MD Anderson Cancer Center (Gao, Pollard, Pipman, Lawyer, Juneja)	LABS at MD Anderson Cancer Center (Gao, Pollard, Sastry, Pipman, Juneja)
3:00-3:30	Coffee/Tea Break						
3:30-5:00	EBRT accessories, immobilization, localization, lasers, motion, etc (Caldwell)	Treatment Planning systems (Van Dyk)	Acceptance and commissioning tests on an MLC (Balter)	Maintenance of RT equipment, power, AC, water. Service contracts (Waldron)	Trip to NASA Space Center and Kemah		Physics dosimetry equipment for acceptance, commissioning and QA (Seuntjens)

**Training Course on Selection, Acceptance, Commissioning and Maintenance of Radiotherapy Equipment,
UT MD Anderson Cancer Center, Houston, TX, USA May 9 - 20, 2016**

Day Time	Monday May 16	Tuesday May 17	Wednesday May 18	Thursday May 19	Friday May 20
9:00-10:30	Calibration of photons, electrons, per IAEA standards (Seuntjens)	Acceptance tests on a TPS (Dante)	Accident prevention (Aguirre)	The quality Assurance Program (Kry)	IT systems, integration, networks (Balter)
10:30-10:45	Coffee/Tea Break				
10:45-12:00	Calibration of photons, electrons, per IAEA standards (Seuntjens)	Commissioning tests on a TPS (Dante)	The design of a RT center – functionality and workflow (Nitsch)	Quality assurance procedures (Kry)	Regulations, guidelines, procedures to set up or expand a RT facility (Aguirre)
12:00-1:00	Lunch Break				
1:00-2:00	Staffing of a RT center-Roles and responsibilities (Pipman)	Lab Data handling for TPS commissioning Lab TPS QA (Dante, Hernandez)	Integration of systems from multiple vendors (Pino)	End to end tests, IMRT plan verification, anthropomorphic phantoms (Kry)	Exam
2:00 – 3:00		Lab Data handling for TPS commissioning Lab TPS QA (Dante, Hernandez)	Remote afterloaders for brachytherapy (Lawyer)	In vivo dosimetry systems (Kudchadker)	Discussion of the course
3:00 - 3:30	Coffee/Tea Break				
3:30 – 4:15	Photon beam lab 5:00 to 6:30 Balter, Aguirre, Pipman, Alvarez, Taylor)	Lab Data handling for TPS commissioning Lab TPS QA (Dante, Hernandez)	(Contd) (Lawyer)	Room shield design with practical examples (Kudchadker)	Diplomas and closing ceremony
4:15 – 5:00	Electron beam lab 7:00 to 8:30 PM Balter, Aguirre, Pipman, Alvarez, Taylor)	Lab Data handling for TPS commissioning Lab TPS QA (Dante, Hernandez)	Commissioning and QA of remote afterloaders (Lawyer)	Facility surveys (Kudchadker) Room survey exercise after 5 pm (Kudchacker, Pollard, Juneja)	

SEE A SEPARATE SCHEDULE FOR THE LABS