

**Regional Training Course on Selection, Acceptance, Commissioning and maintenance of Radiotherapy Equipment in Radiotherapy,
Argonne National Lab, USA October 20 - 31, 2014**

Day Time	Monday October 20	Tuesday October 21	Wednesday October 22	Thursday October 23	Friday October 24	Saturday October 25	Sunday October 26
9:00-10:30	Opening Ceremony The RT treatment of the cancer patient a modern approach (Aguirre) 10:00 – 10:30 (Safety at ANL)	Physics dosimetry equipment for acceptance, commissioning and QA (Huq)	Imaging systems and methods for RT (Van Dyk)	Commissioning tests on a linear accelerator, – the how (Photons) (Balter)		LABS at Northwest Community Hospital YP.FD,PB,FA,LC,JO	LABS at Northwest Community Hospital YP.FD,PB,FA,LC,JO
10:30-10:45	Group Photo			Coffee/Tea Break			
10:45-12:00	Staffing of a RT center-Roles and responsibilities (Pipman) The acquisition of a linac and its accessories, overview (Pipman)	Calibration of photons, electrons, brachy per IAEA standards (Huq)	Treatment Planning systems (Van Dyk)	Commissioning tests on a linear accelerator, – the how (Electrons) (Balter)		LABS at Northwest Community Hospital YP.FD,PB,FA,LC,JO	LABS at Northwest Community Hospital YP.FD,PB,FA,LC,JO
12:00-1:00	Lunch Break						
1:00-3:00	Linear accelerators for radiotherapy (Pipman)	Radiotherapy accessories, immobilization, localization, record and verify (Dellicarpini)	Acceptance tests on a linear accelerator (Ibbott)	Acceptance and commissioning tests on an MLC (Court)	Free	LABS at Northwest Community Hospital YP.FD,PB,FA,LC,JO	LABS at Northwest Community Hospital YP.FD,PB,FA,LC,JO
3:15-3:30	Individual Photos			Coffee/Tea Break			
3:30-5:00	Subsystems of a linear accelerator (Pipman)	Planning the purchase of equipment, design of specs, the purchase team (Dellicarpini)	Commissioning tests on a linear accelerator – the what (Ibbott)	Commissioning of hard, universal and virtual wedges with practical examples (Court)	Labs: Calibration of photons and electrons (Extended to 8 PM) YP.FD,PB,FA	LABS at Northwest Community Hospital YP.FD,PB,FA,LC,JO	LABS at Northwest Community Hospital YP.FD,PB,FA,LC,JO

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Day Time	Monday October 27	Tuesday October 28	Wednesday October 29	Thursday October 30	Friday October 31
9:00-10:30	Free	Room shield design with practical examples (Kudchadker)	Validation of treatment planning data and calculations for photons and electrons (Dante)	Commissioning and care of physics equipment for acceptance, commissioning and QA (Waldron)	Accident prevention (Aguirre)
10:30-10:45	Coffee/Tea Break				
10:45-12:00	Free	Facility surveys (Kudchadker)	The quality Assurance Program (Kry)	Maintenance of RT equipment, power, AC, water. Service contracts (Waldron)	Regulations, guidelines, procedures around setting up or expanding a RT facility (Aguirre)
12:00-1:00	Lunch Break				
1:00-2:00	Free	In vivo doaimetry systems (Kudchadker)	Quality assurance procedures (Kry)	IT systems, integration, networks (Gillin)	Exam
2:00 – 3:00		Acceptance tests on a TPS (Dante)	Remote afterloaders for brachytherapy (Lawyer)	The design of a RT center – functionality and workflow (Gillin)	Discussion of the course
3:00 - 3:30	Coffee/Tea Break				
3:30 – 4:15	Free	Commissioning tests on a TPS (Dante/Kry)	(Contd) (Lawyer)	Integration of systems from multiple vendors (Gillin)	Diplomas and closing ceremony
4:15 – 5:00	Free	Practical examples of data handling for TPS commissioning (Dante)	Commissioning and QA of remote afterloaders (Lawyer)	Patient management, record and verify systems (Gillin)	