

**Regional Training Course: A Refresher for Radiotherapy Technologists on 3D Conformal Radiotherapy,
UT MD Anderson Cancer Center, Houston, TX, USA, August 3 - 8, 2015**

Day Time	Monday August 3	Tuesday August 4	Wednesday August 5	Thursday August 6	Friday August 7	Saturday August 8
8:30 - 9: 15	Welcome (Aguirre)	Clinical dosimetry in radiotherapy (Prado)	Simulation in RT, conventional, virtual, CT sim (Dante)	Simulation and treatment of thorax tumors (Meza/C. Perez)	Simulation and treatment of lymphomas tumours (Dabaja/Ivy)	PRACTICUM 1 (Ali, Pequeno, John Baptiste,Ali) 8 to 10 am
9:15 – 10:30	The care of the oncology patient (Ovalle)	Clinical Hardware in radiotherapy (Prado)	The terminology of 3DCRT. ICRU recommendations (Dante)	Simulation and treatment of prostate tumors (Meza/C. Perez)	The formal training of an RTT (Caldwell)	PRACTICUM 1 (Ali, Pequeno, John Baptiste,Ali) 8 to 10 am
10:30-10:45	Coffee/Tea Break					
10:45 -12:00	Biological aspects of cancer (Ovalle)	External beam delivery systems (cobalt units,linacs and other systems) (Prado)	Treatment Planning Techniques (Dante)	Simulation and treatment of GYN tumors (Flores, Klopp)	Simulation and treatment of breast tumours (Howell)	PRACTICUM 2(Ali, Pequeno, John Baptiste,Ali) 10:15 – 12:15
12:00-1:00	Lunch Break					
1:00-2:00	Basic interactions of radiation with matter (Hanson)	Acceptance, commissioning and calibration of radiotherapy equipment (Court)	Plan verification techniques, second check, end to end tests, IMRT QA, anthropomorphic phantoms (Kry)	Simulation and treatment of CNS and Pedi tumours (McAleer)	Delivery of a RT treatment. The uncertainties in the RT process. (Aguirre)	PRACTICUM 2(Ali, Pequeno, John Baptiste,Ali) 10:15 – 12:15
2:00 - 3:00	Quantities and units of radiation (Hanson)	Imaging for radiotherapy CT, PET, MRI, fusion (Sastry)	Isocheck / Delivery verification techniques, in vivo dosimetry and other techniques (Rajat)	Simulation and treatment of head and neck tumours (Garden/Rideaux)	Quality management, quality assurance (Aguirre)	PRACTICUM 3 (Ali, Pequeno, John Baptiste,Ali) 1 to 3 pm
3:00-3:15	Coffee/Tea Break					
3:15-4:00	Principles of radiation biology (Followill)	Record and verify, administration systems for EBRT (Hayden)	Radiation protection (Rajat)	Simulation and treatment of palliative patients (Petru)	Risk management (Beadle)	PRACTICUM 3 (Ali, Pequeno, John Baptiste,Ali,) 1 to 3 pm
4:00-5:00	Physics Instrumentation (Aguirre)	Inmobilization and localization devices, simulation overview (Caldwell)	Techniques using field in field, virtual wedges and hard wedges (Kanke)	Simulation and treatment of GI tumours (Koay/Ivy) Visit to a small RT Center 5 – 8 pm	Accident prevention, Safety culture (Beadle) Tour of MD Anderson Clinic after 5 PM	