

**BRACHYTHERAPY, GAMMA KNIFE, AND OTHER
MEDICAL USES OF BYPRODUCT MATERIALS (H-313)**

Date	Time	Topic
Monday	8:00-8:20	Introduction of course
	8:20-9:20	Principles of Radiobiology
	9:20-9:35	Break
	9:35-11:45	Overview of Radiation Therapy
	11:45-12:45	Lunch
	12:45-1:45	Clinical Radiation Safety ALARA
	1:45-2:45	Principles of Brachytherapy
	2:45-3:00	Break
	3:00-4:00	Radiation Safety Concerns
	4:00-4:15	Break
	4:15-5:00	Overview of QC Concepts
Tuesday	8:00-9:00	Written Directives & Medical Events
	9:15-9:30	Break
	9:30-11:00	Basic Dosimetry Calculations
	11:00-12:00	Lunch
	12:00-2:00	HDR Remote Afterloader Brachy
	2:00-2:15	Break
	2:15-3:15	MammoSite & Breast Applicators
	3:15-4:30	Prostate Implants (LDR+HDR)
	4:30-5:00	Other Medical Uses of Byproduct Material: FIRST
Wednesday	8:00-9:30	Selective Internal Radiation Therapy
	9:30-10:15	Ophthalmic applicators
	10:15-10:30	Break
	10:30-12:00	Other Medical Uses of Byproduct Material: (NeoVista, GliaSite, IVBT, RSL, ViewRay)
	12:00-1:00	Lunch
	1:00-2:45	Stereotactic Radiosurgery (Gamma Knife)
	2:45-3:00	Break
	3:00-4:00	Gamma Knife Cal./Room Design
	4:00-4:30	Gamma Knife Videos
Thursday	7:30-11:30	NRC Lecturer
	11:30-12:45	Lunch and Travel to Texas Medical Center
	1:00-3:00	Gamma Knife Tour
	3:30-5:00	HDR tour and demonstration
Friday	8:00-9:00	Workshop: Case and Medical Events
	9:15-10:00	Review
	10:00-12:00	Exit Examination