IAEA/FNRBA LINAC Training

Authorization and Inspection of Linear Accelerator Facilities (LINACS)

Used in Radiotherapy

Agenda

Monday, ***Month, Day, Year***	
Start Time: 8:00 am	Official Opening
08:00 – 08:30	Course Overview: Welcome and Introductions, Review Agenda, Housekeeping Rules
08:30-9:30	Biology of Cancer Treatment
9:30-11:30	Introduction to Linear Accelerators
	Important Facility Construction and Safety Features
11:30-12:00	
12:00 – 13:00	**LUNCH**
Start time: 13:00	
13:00-14:30	Quality Assurance of Linear Accelerators
14:30-15:30	Exercise 1: Beam Calibration
15:30 – 16:00	Summary of Day 1
End Time: 16:00	

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Tuesday, ***Month, Day, Year***	
Start Time: 8:00 am	Brief Review Day 1
08:30 – 10:00	Treatment Planning
10:00- 10:30	Exercise 2: Prescription Worksheet
10:30-11:30	Regulation Development
11:30 – 12:00	Sample Regulation Review
12:00 – 13:00	**LUNCH**
Start time: 13:00	
13:00-14:30	Authorization Process
14:30-15:30	Exercise 3: Application Checklist
15:30-16:00	Summary of Day 2
End Time: 16:00	

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Wednesday, ***Month, Day, Year***	
Start Time: 08:00	Brief Review Day 2
08:30-09:30	Linear Accelerator Staffing
09:30-10:30	Exercise 4: User Qualification Review
10:30 – 11:30	Facility Construction Criteria
12:00 – 13:00	**LUNCH**
Start time: 13:00	
13:00 – 14:30	Shielding Calculation Methods
14:30-15:30	Exercise 5: Shielding Worksheet
15:30-16:00	Summary of Day 3 Hand out take-home exercise – Maze Shielding Calculation
End Time: 16:00	

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Thursday, ***Month, Day, Year***	
Start Time: 08:00	Brief Review Day 3
08:30-09:30	Inspection Program Development
09:30-10:30	Criteria for all Phases of Facility
10:30 – 11:30	Inspection Approaches
11:30- 12:00	Exercise 6: IAEA Inspection Checklist
12:00 – 12:45	**LUNCH**
Start time: 12:45	
12:45 -13:15	Travel to Inspection Facility
13:15–16:30	Inspection of Linear Accelerator Facility
16:00-16:30	Travel back to Host Facility
End Time: 16:30	

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Friday, ***Month, Day, Year*** **Start Time:** **08:00 – 10:00** **10:00-11:00** **11:00-12:00** **12:00 - 12:30**	 Day 4 Site Visit Review Machine Maintenance Linear Accelerator Accidents Exercise 7: Medical Event Report
12:30 – 13:30	**LUNCH**
Start time: **13:30** **13:30-14:00** **14:00-15:00** **15:00-16:00** **End Time:** **16:00**	 Emergency Procedures Handling Safety Violations and Enforcement Overall Course Wrap-up, Final Q/As and Course Evaluation Award Course Certificates and Closing remarks