Accelerator Design, Radiobiology & Quality Assurance, Brachytherapy & Radiotherapy Verification Imaging

Day 1: Tuesday 7th March 2023

08.25 Registration								
08.55 - Welcome & Introduction 09:00								
09.05 - Medical electron Linear Accelerators 09.55	TBA							
10.00 – Quality Control of Linacs 10.55	TBA							
11.00 Refreshment break								
11.30 – Production of a Clinical Beam 12.10	TBA							
12.15 – Multileaf Collimators: Characteristics & Commissioning	TBA							
13.00 Lunch break								
14.00 – Radiotherapy Fractionation	TBA							
15.00 – Managing Gaps 15.30	TBA							
15.35 Refreshment break								
15.55 – Accuracy and Quality in Radiotherapy: An overview 16.50	TBA							
16.55 – Extremes I: kV X-ray Units 17.25	TBA							
18.00 Course meal								
Day 2: Wednesday 8th March 2023 09.00 - Extremes II: Cyberknife T 09.40	ВА							
	BA							
10.50 Refreshment break								
0,	ВА							
11.45 11.50- Tumour Cell Radiobiology T 12.45	BA							
12.50 Lunch break								
13.55 – Radiobiology of Normal Tissues T 14.35	ВА							
	BA							
15.40 Refreshment break								
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16.55 17.00 – Extremes III: Tomotherapy T 17.45	ВА							

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Day 3: Thursday 9th March 2023

09.00 – 09.40	Clinical Indications for Brachytherapy	ТВА
09.45 – 10.15	Intracavitary Dosimetry	ТВА
10.20 – 10.45	Calibration and QA of Brachytherapy Sources	ТВА
10.50	Refreshment break	
11.15 – 12.05	Gynaecology Cancers	ТВА
12.10 – 13.10	3D Image based Brachytherapy Planning	ТВА
13.15	Lunch break	
14.15 – 14.50	Transperineal Prostate Brachytherapy	ТВА
14.55 – 15.40	The Radiobiology of Brachytherapy	ТВА
15.45	Refreshment break	
16.00 – 16.40	Radiation Protection Issues in Brachytherapy	ТВА
09.00 – 09.40	Day 4: Friday 10th March 2023 Radiation Protection in External Beam Radiotherapy	ТВА
09.45 – 10.40	Image Handling in Radiotherapy	ТВА
10.45	Refreshment break	
11.05 – 12.00	Errors & Margins in Image Guided Radiation Therapy & SBRT	TBA
12.05 – 12.45	IGRT Techniques	ТВА
12.50	Lunch break	
13.55 – 14.35	IT Essentials for Radiotherapy	TBA
14.40 – 15.35	Image Guidance in Radiotherapy: Accuracy, Frequency & Dose & MPE Trials	ТВА
15.40	Refreshment break	
		TDA
16.00 – 16.30	Quality Assurance In Clinical Trials	ТВА
16.00 – 16.30 16.35 – 17.15		ТВА ТВА

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Day 5: Saturday 11th March 2023 Workshop Sessions Practical Workshop Sessions Assembly Point: Radiotherapy Basement at 9.00 am

	09.15	10.05	10.50	11.15	12.05
Basic QA	1_	2		3	4
Franklin					
Brachytherapy Treatment Planning – CT and MRI image based	2	3		4	1
Master Plan	ì				
Iodine seeds & ultrasound for Prostate and examples	3	4		1	2
Beige Planning					
HDR, QA & Source Calibration	4	1		2	3
HDR Treatment Suite					

Evaluation forms will be collected at the end of the course Thank you