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

Day 1: Tuesday 10th March 2026

08.25	08.25 Registration				
08.55 - 09:00	Welcome & Introduction				
09.05 – 10.00	Medical electron Linear Accelerators	Professor Stephen Gibson			
10.00 – 10.55	Quality Control of Linacs	Rollo Moore			
11.00	Refreshment break & discussion				
11.30 – 12.10 12.15 –	Production of a Clinical Beam Multileaf Collimators: Characteristics &	Professor Philip Mayles David King			
12.15 – 12.50 12.55	Commissioning Lunch break	David Killy			
14.00 – 15.05	Radiotherapy Fractionation	Dr Navita Somaiah			
15.05 – 15.35	Managing Gaps	Dr Navita Somaiah			
15.40	Refreshment break				
16.00 – 16.35	Quality Assurance In Clinical Trials	Olivia Naismith			
16.40 – 17.35	Accuracy and Quality in Radiotherapy: An overview	Professor Philip Mayles			
18.30	Course meal				
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09.00 - 10.00	Day 2: Wednesday 11th March 2026 Practical use of Radiobiology in Treatment Planning	Professor Philip Mayles			
10.05 – 10.35	Re-irradiation	Dr Alex Backshall			
10.40	Refreshment break				
10.55 - 11.30	Introduction to Cell Biology	Dr Alex Backshall			
11.35 – 12.30	Tumour Cell Radiobiology	Professor Alan Nahum			
12.35	Lunch break				
13.35 – 14.15	Radiobiology of normal tissues: A clinical perspective	Dr Rita Simôes			
14.20 – 15.15	Modelling the probability of Tumour Control (TCP)	Professor Alan Nahum			
15.20	Refreshment break				
15.40 – 16.35	Modelling Normal Tissue Complication Probability	Dr Colin Baker			
16.40 – 17.20	Tomotherapy	Dr Andrew Dumbill			

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Day 3: Thursday 12th March 2026

09.45 — Intracavitary Dosimetry 10.15 10.20 — Calibration and QA of Brachytherapy Sources 10.45 10.50 Refreshment break 11.15 — Gynaecology Cancers 12.05 12.10 — Transperineal Prostate Brachytherapy 12.45 12.50 Lunch break 13.50 — The Radiobiology of Brachytherapy Professor Roger Dale 14.35 14.40 — 3D Image based Brachytherapy Planning 15.40 Small comfort break 15.45 — Radiation Protection Issues in Brachytherapy 16.25 Day 4: Friday 13th March 2026 09.00 — Radiation Protection in External Beam Radiotherapy 09.45 — Image Handling in Radiotherapy 10.40 Refreshment break 11.05 — Errors & Margins in Image Guided Radiation Therapy & SBRT 12.05 — Lunch break & Discussion 13.55 — Image Guidance i Radiotherapy 13.55 — Image Guidance i Radiotherapy 13.55 — Image Guidance i Radiotherapy 14.50 Refreshment break 15.35 15.40 Refreshment break 16.00 — Cyberknife 16.45 — MR Linacs 17.25 17.30 — Cheese & Wine 18.45		09.00 - 09.40	Clinical Indications for Brachytherapy	Caroline Chapman
10.45 10.50 Refreshment break 11.15 — Gynaecology Cancers Dr Alexandra Taylor 12.05 12.10 — Transperineal Prostate Brachytherapy Peter Bownes 12.45 12.50 Lunch break 13.50 — The Radiobiology of Brachytherapy Professor Roger Dale 14.35 14.40 — 3D Image based Brachytherapy Planning Professor Christian Kirisits 15.40 Small comfort break 15.45 — Radiation Protection Issues in Brachytherapy Margaret Bidmead 16.25 Day 4: Friday 13th March 2026 09.00 — Radiation Protection in External Beam Radiotherapy 09.45 — Image Handling in Radiotherapy Professor Marcel van Herk 10.45 Refreshment break 11.05 — Errors & Margins in Image Guided Radiation Therapy & SBRT 12.05 — IT Essentials for Radiotherapy Richard Trouncer 12.50 Lunch break & Discussion 13.55 — Image Guidance i Radiotherapy: Accuracy, Frequency & Dose & MPE Trials - 14.50 Frequency & Dose & MPE Trials - 15.35 15.40 Refreshment break 16.00 — Cyberknife Carole Meehan 16.40 16.45 — MR Linacs Dr Simeon Nill			Intracavitary Dosimetry	Margaret Bidmead
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Day 5: Saturday 14th March 2026 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 with Dave B & Rollo	1	2		3	4
Franklin					
Brachytherapy Treatment Planning – CT and MRI image based with Dave Inchley	2	3		4	1
Master Plan					
Iodine seeds & ultrasound for Prostate and examples with Constance	3	4		1	2
Beige Planning					
HDR, QA & Source Calibration with Kate Roberts	4	1		2	3
HDR Treatment Suite					

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