

MR Image Guided Radiotherapy

21 – 22 October 2019

Programme

Monday 21 October 2019

10:00	Registration & coffee	
10.30	Welcome and introduction	Dr Helen McNair
10.40	MR image contrast mechanisms	Ms Erica Scurr
11:00	MRI – clinical applications: Radiologist Perspective	Dr Siraj Yusuf
11:20	MRigRT: Why do we need MR in Radiotherapy ? - Clinician perspective	Dr Shaista Hafeez
11.40	MRigR : How do we use MRI in Radiotherapy ? - Physicist perspective	Dr Joan Chick
12.00	MRigRT: How does the use of MRI change the Radiotherapy clinical workflow?- Radiographer perspective	Ms Trina Herbert
12:20	Lunch (safety forms)	
13.15	MRI for pelvic radiotherapy- Challenges and solutions Prostate, rectum and bladder cancer	Dr Ingrid White
13.40	MRI for pelvic radiotherapy- Challenges and solutions Gynaecological cancer	Dr Susan Lalondrelle
14:10	MRI Safety Lecture	Ms Erica Scurr
14:40	Divide into workshop groups, transfer to radiotherapy department	
14:45	Workshops: Group 1 - MR Linac, Radiotherapy Group 2 - Parameter optimization (Siemens) and Ask the Experts (E Scurr, E Kousi, T Herbert); Radiotherapy Seminar room	
15.30	Coffee	
16:00	Workshops: Group 1 – Parameter optimization (Siemens) and Ask the Experts (E Scurr, E Kousi, T Herbert); Radiotherapy Seminar room Group 2 - MR Linac, Radiotherapy	
16:45	Transfer to Diagnostic MR	
17:00	Practical Sessions in MRI and Radiotherapy Depts 1. RT patient set up and patient safety 2. Imaging - interpretation/contrast appearances 3. Working environment and safety aspects	
18.30	Wine and cheese (opportunity for questions)	All speakers

Tuesday 22 October 2019

9:00	Geometric distortions of MR Images	Dr Eva Kousi
9:25	MRI only workflows in Radiotherapy	Dr Richard Speight
9:50	MR in Brachytherapy	Ms Caroline Chapman
10:20	Coffee	
10:45	MR Linac QA	Dr Ian Hanson
11:10	MR Linac planning	Dr Alex Dunlop
11:35	4D-MRI: Managing motion	Dr Andreas Wetscherek
12:00	MRI for breast radiotherapy – challenges and solutions	Dr Anna Kirby
12.20	Lunch	
13:20	MRI for abdominal (liver and pancreas) radiotherapy – challenges and solutions	Dr Katharine Aitken
13:40	Diffusion Weighted Imaging (DWI) principles and applications in radiotherapy	Dr Matthew Blackledge
14:10	Functional Imaging for head and Neck Cancer	Dr Brian Hin
14:30	Future developments in MRgRT	Prof Uwe Oelfke
14.50	Questions and close	
15.00	Close	