

# MR Image Guided Radiotherapy

26 – 27 September 2022

## Programme (Provisional)

Brookes Lawley Building, Cotswold Road, Sutton, SM2 5NG

### Monday 26 September 2022

<b>10:00</b>	<b>Registration &amp; coffee</b>	
<b>10.30</b>	Welcome and introduction	Dr Helen McNair
<b>10.40</b>	MR image contrast mechanisms	Ms Erica Scurr
<b>11:00</b>	MRI – clinical applications: Radiologist Perspective	Dr Siraj Yusuf
<b>11:20</b>	MRIgRT: Why do we need MR in Radiotherapy ? - Clinician perspective	Dr Shaista Hafeez
<b>11.40</b>	MRIgRT: How do we use MRI in Radiotherapy ? - Physicist perspective	Dr Joan Chick
<b>12.00</b>	MRIgRT: How does the use of MRI change the Radiotherapy clinical workflow?- Radiographer perspective	Ms Trina Herbert
<b>12:20</b>	<b>Lunch (safety forms)</b>	
<b>13.15</b>	MRI for pelvic radiotherapy- Challenges and solutions Gynaecological cancer	Dr Susan Lalondrelle
<b>13.40</b>	MRI for pelvic radiotherapy- Challenges and solutions Prostate, rectum and bladder cancer –	Dr Manasi Ingle
<b>14:10</b>	MRI Safety Lecture	Ms Erica Scurr
<b>14:40</b>	<b>Divide into workshop groups, transfer to radiotherapy department</b>	
<b>14:45</b>	Workshops: Group 1 - MR Linac, Radiotherapy Group 2 - Parameter optimization Radiotherapy – making MRI 'fun'	Radiotherapy Seminar Rm
<b>15.30</b>	<b>Coffee</b>	
<b>16:00</b>	Workshops: Group 2 - MR Linac, Radiotherapy	<b>Supporting Practical Sessions:</b> <b>TBA</b>
<b>16:45</b>	<b>Transfer to Diagnostic MR</b>	
<b>17:15</b>	<i>Practical Sessions in MRI and Radiotherapy Depts</i> Group 1 1. RT patient set up and equipment safety 2. Imaging - interpretation/contrast appearances 3. Working environment and safety aspects Group 2 Ask the expert	TBA
<b>18.45</b>	Wine and cheese (opportunity for questions)	All speakers

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<b>8:30</b>	<i>Practical Sessions in MRI and Radiotherapy Depts</i> <b>Group 1</b> Ask the expert <b>Group 2</b> 1. RT patient set up and equipment safety 2. Imaging - interpretation/contrast appearances 3. Working environment and safety aspects	TBA
<b>10:00</b>	Geometric distortions of MR Images	Dr Eva Kousi
<b>10:25</b>	MRI only workflows in Radiotherapy	Dr Richard Speight
<b>10:50</b>	MR in Brachytherapy	Ms Caroline Chapman
<b>11:20</b>	<b>Coffee</b>	
<b>11:45</b>	MR Linac QA	Dr Alex Dunlop
<b>12:10</b>	MR Linac planning	Dr Adam Mitchell
<b>12:35</b>	4D-MRI: Managing motion	Dr Andreas Wetscherek
<b>13:00</b>	MRI for breast radiotherapy – challenges and solutions	Dr Anna Kirby
<b>13:20</b>	<b>Lunch</b>	
<b>14:20</b>	MRI for abdominal (liver and pancreas) radiotherapy – challenges and solutions	Dr Katharine Aitken
<b>14:40</b>	Diffusion Weighted Imaging (DWI) principles and applications in radiotherapy	Dr Matthew Blackledge
<b>15:10</b>	Functional Imaging for head and Neck Cancer	Dr Amit Gupta
<b>15:30</b>	Future developments in MRgRT	Prof Uwe Oelfke
<b>15.50</b>	Questions and close	
<b>16.00</b>	<b>Close</b>	