

Programme – Morning Session – Part 1

- 09:55 – 10:00 **Welcome & Introductions (IPEM)**
Chair: Mike Hutton, The Christie NHS Foundation Trust
- 10:00 – 10:30 **International guidance on the use of MRI for external beam radiotherapy treatment planning**
Dr Richard Speight, Leeds Cancer Centre
- 10:30 – 10:45 **Evaluating an existing MR for RT service against the ‘IPEM topical report: guidance on the use of MRI for external beam radiotherapy treatment planning’**
Steven Jackson, The Christie NHS Foundation Trust
- 10:45 – 11:00 **Systematic multi-disciplinary sequence evaluation for integration into the MR-Linac workflow**
J Chick, Institute of Cancer Research & The Royal Marsden NHS Foundation Trust.
- 11:00 – 11:30 **Coffee & Networking**

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Programme – Morning Session – Part 2

Chair: Jim Daniel

- 11:30 – 11:45 **Dosimetric evaluation of MR-based deep learning automatic contouring in the pelvis**
Jonathan Wyatt, Newcastle Upon Tyne Hospitals NHS Foundation Trust
- 11:45 – 12:00 **Early experience with radical cervix treatments on the Elekta Unity MR-Linac**
Linnea Freear, The Christie NHS Foundation Trust
- 12:00 – 12:15 **Feasibility of measuring mandibular perfusion using dynamic contrast enhanced magnetic resonance imaging (DCE-MRI) to compare with radiotherapy dose**
Serena West, Freeman Hospital, Newcastle upon Tyne
- 12:15 – 12:30 **Questions**
- 12:30 – 13:30 ***Networking & Lunch***

Programme – Afternoon Session – Part 1

Chair: Mike Hutton

- 13:30 – 14:00 **Imaging biomarker studies on MR-linac systems (*via video & virtual Q&A*)**
Dr Petra van Houdt, Netherlands Cancer Institute
- 14:00 – 14:15 **Daily prostate ADC in patients having SABR or conventional prostate radiotherapy on an MR-Linac**
Christopher Moore, The Christie NHS Foundation Trust
- 14:15 – 14:30 **Experience of online MR-guided adaptive radiotherapy using the Elekta Unity MR-Linac**
Alex Dunlop, The Joint Department of Physics at The Institute of Cancer Research & The Royal Marsden NHS Foundation Trust, London, UK
- 14:30 – 14:50 **Questions**
- 14:50 – 15:15 ***Coffee & networking***

Programme – Afternoon Session – Part 2

Chair: Jim Daniel

- 15:15 – 15:30 **Tracking organ motion in the pelvis for radiotherapy planning**
J J Wyatt, Newcastle upon Tyne Hospitals NHS Foundation Trust
- 15:30 – 15:45 **Evidence supporting anal and rectal cancer MR-only radiotherapy planning clinical implementation**
David Bird, Leeds Teaching Hospitals NHS Trust
- 15:45 – 16:00 **An evaluation of cushion and flat top overlay setups on a 1.5 Tesla MRI simulator based on spine coil SNR**
Emma Doran, NHS Greater Glasgow and Clyde
- 16:00 – 16:30 **Questions/discussion**
- 16:30 **Thank you & Close**