

Everything MRI All At Once - Draft

Tuesday 25th June 2024 – Newcastle

12:00 - 13:00	Registration
Session 1	Plenary session: MRI Advanced Acceleration technologies
13:00 - 13:30	<i>Invited Speaker</i> Joe Martin, Bart's Health
13:30 - 14:00	<i>IPEM AAT T&F Update</i> Steven Jackson, The Christie NHS FT
14:00 - 14:15	<i>“Is it Real?” Patient and Public views on AI in MR Image Reconstruction</i> Aggie Peplinski, Barts Health NHS Trust
14:15 - 14:30	<i>Visualisation and Analysis of Scanner Utilisation Data to aid Patient Experience</i> Oscar Lally, Guy's and St Thomas' NHS Foundation Trust

	<i>Case Studies from AAT T&F</i>
14:30 – 14:35	<i>Compressed SENSE in brain imaging at 1.5T</i> Rosa Sanchez Panchuelo, University Hospitals Birmingham NHS Foundation Trust
14:35 – 14:40	<i>Full clinical implementation of Siemens Deep Resolve</i> Mike Hutton, Newcastle Upon Tyne Hospitals NHS Foundation Trust
14:40 – 14:45	<i>Title TBC</i> Ed Peake, Cambridge University Hospitals NHS Foundation Trust
14:45 - 15:00	Q&A
15:00 - 15:30	Coffee Break

Everything MRI All At Once - Draft

Wednesday 26th June 2024 – Newcastle

Session 2	Parallel session (Scientific dimension)		
Session Theme	Cardiac, cardiovascular and real time imaging		Running an fMRI and Tractography Service
15:30 - 15:45	<i>Implementation of Air Recon DL on clinical real-time protocols for imaging speech.</i>	15:30 - 15:35	<i>Why an IPEM Task & Finish Group on CS-led fMRI and tractography?</i>
	Aggie Peplinski, Barts Health NHS Trust		Laura Mancini, University College London Hospital NHS FT
15:45 - 16:00	<i>Implementing enabler technologies for foetal and neonatal congenital cardiac MRI</i>	15:35 - 15:55	<i>COBIDAS Clinical fMRI for Language Mapping</i>
	David Broadbent, Leeds Teaching Hospitals NHS Trust		Stephen Wastling, National Hospital for Neurology and Neurosurgery
16:00 - 16:15	<i>Training Therapeutic Radiographers for Cardiac Imaging on an MR-guided Linac</i>	15:55 - 16:15	<i>Experiences of setting up a clinical tractography service</i>
	Tom Whyntie, Genesis Care UK		Caitlin O'Brien, Guy's and St Thomas' NHS FT, and Jamie Roberts, University Hospitals Plymouth NHS Trust
16:15 - 16:30	<i>Measurement of myocardial extracellular volume and cell diameter before and after aortic valve replacement in patients with severe aortic stenosis</i>	16:15 - 16:35	<i>Operational considerations for fMRI and tractography services – it's not just about the software</i>
	Alexander Makins, Leeds Teaching Hospital NHS Trust		James Moggridge, National Hospital for Neurology and Neurosurgery
16:35 – 16:40	Break		
16:40 - 17:30	<i>Rountable Discussion: Imaging at the Clinical and Academic Interface</i>	16:40 - 17:30	<i>Roundtable Discussion</i>
17:30	Evening Dinner/Networking		

Everything MRI All At Once - Draft

Wednesday 26th June 2024 – Newcastle

08:15 - 08:45	Registration
08:45 - 09:00	Welcome
Session 3	Plenary Session: New technologies in MRI
09:00 - 09:30	<i>Invited Speaker</i> David Atkinson,
09:30 - 09:45	<i>Implementation of MRI in the Liver SABR Patient Pathway</i> Ariona Kruezi, Guy's and St Thomas' NHS FT
09:45 - 10:00	<i>Developing a safety framework for portable MRI</i> Blair Johnston, NHS Greater Glasgow and Clyde
10:00 - 10:30	<i>Invited Speaker</i> Jen McFarlane
10:30 - 10:50	Coffee Break

IPEM

Institute of Physics and
Engineering in Medicine

Organised by IPEM's Magnetic Resonance Special Interest Group
Programme subject to change

ipem.ac.uk



Everything MRI All At Once - Draft

Wednesday 26th June 2024 – Newcastle

Session 4	Parallel session (professional dimension)	
Session Theme	Horizon scanning: the future of MRI physics in healthcare in the UK: strategy and workforce	Early Career Session
10:50 - 12:20		
12:20 - 13:20	Lunch and Poster Session	

Session 5	Common session: Metrology, QA and regulatory aspects of MRI
13:20 - 13:50	<i>Invited Speaker</i>
	Cormac McGrath
13:50 - 14:05	<i>Meaningful Relaxometry Quality Assurance in Clinical Practice</i>
	Alex Goodall, Sheffield Teaching Hospitals NHS FT
14:05 - 14:20	<i>Hazen: An Open-Source MRI Quality Assurance Toolbox</i>
	Ryan Satnarine, Guy's and St Thomas' NHS FT
14:20 - 14:50	Task and Finish Group Discussion
14:50 - 15:20	Coffee Break

IPEM

Institute of Physics and
Engineering in Medicine

Organised by IPEM's Magnetic Resonance Special Interest Group
Programme subject to change

ipem.ac.uk



Everything MRI All At Once - Draft

Wednesday 26th June 2024 – Newcastle

Session 6	Plenary Session
Session Theme	Protocol optimisation and multi-centre co-ordination
15:20 - 15:35	<i>Update on T&F Optimisation Group, Survey and Q&A</i> Holly Elbert and Maria Yanez Lopez
15:35 - 15:50	<i>Practical experience of clinical T2 mapping techniques</i> Jack Allen, University College London
15:50 - 16:05	<i>An agile approach to MRI protocol optimisation in Neuroradiology</i> Laura Mancini, University College London Hospitals NHS FT
16:05 - 16:35	<i>Panel Discussion</i>
16:35 - 16:40	Final Thoughts
16:55	Close

IPEM

Institute of Physics and
Engineering in Medicine

Organised by IPEM's Magnetic Resonance Special Interest Group
Programme subject to change

ipem.ac.uk



Everything MRI All At Once - Draft

Wednesday 26th June 2024 – Newcastle

Posters

Thermal and Imaging Correlation for the Validation of an MRI-guided Cryoablation Protocol

Mobeen Ali, University Hospital Southampton NHS FT

QSM Observational Case Studies of Superficial Siderosis Patients Undergoing Chelation Therapy

Mobeen Ali, University Hospital Southampton NHS FT

Characterisation of a large plate of unknown magnetic shielding below a proposed MRI scanner room

Cormac McGrath, Belfast Health and Social Care Trust

Development of a QA workflow for clinical quantitative diffusion imaging

Emily Kilgour, NHS Grampian

Does slice orientation affect spatial resolution when using SMS?

Aimon Qazi, NHS Grampian

Evaluation of UKCA marked fMRI software

Blair Johnston, NHS Greater Glasgow and Clyde

Measuring the dimensions of structures within the ACR Large MRI QA phantom using CT

Stephen Powell, Sheffield Teaching Hospitals NHS Foundation Trust

An RF cage can successfully attenuate radio waves from an RFID door security system so that it will not affect 39K-MRI at 14MHz

Alan Wright, Guy's and St Thomas' NHS Foundation Trust

Evaluating the Reproducibility of Radiomic Features with AIR Recon DL: A Phantom-Based Analysis

Edward Peake, Cambridge University Hospitals

An MR Core Lab to support validation, quality assurance and evaluation of quantitative MR imaging biomarkers.

Julia Markus, University College London

A Survey of Faraday Cage Attenuation Measurements of New Clinical MRI Systems

Jamie Small, Guy's and St Thomas' NHS Foundation Trust