MRI Protocol Development: Clinical Optimisation and Standardisation
Thursday 18th May 2023 – Bristol Harbour Hotel, Bristol
Morning

09:30 – 09:45	**Welcome and Introduction**
Session 1	**A Multi-disciplinary View**
09:45 – 10:10	*Physicist Perspective: Rapid multi-vendor AAT implementation to increase imaging capacity in the NHS*
	Steven Jackson, The Christie NHS Foundation Trust
10:10 – 10:35	*Radiographer Perspective: To Tweak or Not to Tweak*
	Rachel Watt, Jersey General Hospital
10:35 – 11:00	*Radiologist Perspective: Compressed-Sensing in Clinical Practice - an Audit of Image Quality of Compressed-Sensing SPACE versus Conventional sequence in MRCP*
	Anitha James, University Hospitals North Midlands NHS Trust
11:00 – 11:30	**Coffee, Posters, Exhibitors & Networking**

Session 2	**Managing Protocol Development**
11:30 – 11:55	*Managing the Development of Clinical MR Protocols – Experience From 2 NHS Trusts*
	Geoff Charles-Edwards, The Royal Marsden NHS Foundation Trust/Guy's and St Thomas' NHS Foundation Trust
11:55 - 12:07	*Managing MRI protocol creep on multiple clinical systems*
	Pim Pullens, University Hospital Ghent
12:07 - 12:19	*Neuroradiology MRI Clinical Service Improvement Process at the National Hospital for Neurology and Neurosurgery*
	Annie Papadaki, University College London Hospitals NHS Foundation Trust
12:19 - 12:31	*Harmonisation of protocols on Siemens Sola and Vida MRI Scanners: our experience on a process to achieve diagnostic standards.*
	Joe Martin, Barts Health NHS Trust
12:31 – 12:55	Lightning Talks for Posters
12:55 – 13:50	**Lunch, Posters, Exhibitors & Networking**

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Session 3	Implementing Protocol Development
13:50 – 14:02	*National Physical Laboratory: Harmonising, standardising, and clinical reality*
	Matt Hall, National Physics Laboratory
14:02 - 14:35	Interactive Session: Protocol Development Implementation
14:35 - 14:47	*MRI Protocol Optimisation in the Era of Deep Learning Reconstruction*
	Leonidas Georgiou, German Oncology Centre
14:47-14:59	*UHNM experience of introducing Siemens Deep Resolve to a busy inpatient department*
	Samuel Butler, University Hospitals of North Midlands NHS Trust
14:59-15:11	*"How are you doing?!"…. "I'm bored." Experiences in 3D whole-heart MR imaging in paediatrics*
	Pauline Hall Barrientos, NHS Greater Glasgow and Clyde
15:15 – 15:45	**Coffee, Posters, Exhibitors & Networking**

Session 4	Disseminating Protocol Development
15:45 – 16:30	Interactive Session: How to Disseminate and Share Protocol Development
16:30 – 16:45	**Wrap Up Discussion/Closing**

Posters

Oliver Kiernowski - Optimising an Acquisition Protocol and Processing Pipeline for Robust Clinical Quantitative Susceptibility Mapping in the Brain

Penny Cristinacce - An MR Core Lab to support the clinical translation of quantitative MR imaging biomarkers

Laxmi Muralidharan - An Optimized High-Resolution Acquisition for QSM in the Prostate

Matthew Marzetti - Reduction of image acquisition times in musculoskeletal imaging through the use of simultaneous multislice acquisitions

Agnieszka Peplinski - Real-time MRI of speech: translation between scanner manufacturers and sequence optimisation for clinical speech assessments

Michael Kelly - Phantom-based assessment of a deep-learning MR image reconstruction pipeline to inform optimisation of clinical protocols

Stephen Powell - Optimising Clinical MRI Protocols on Volunteers Using Deep Resolve

Rosa Sanchez Panchuelo - Optimisation of faster MP2RAGE acquisition at 3T

Stephen Powell - A low SAR/B1+rms optimisation strategy for Deep Brain Stimulators

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