

Clinical and Scientific Computing Symposium

Wednesday 20th September 2023 – Birmingham
Morning

09:00 - 09:30	Registration
09:30 - 09:45	Introduction and Survey Results Josh Kirby and Adam Chalkley
Session 1 - AI & Data	
09:45 - 10:05	<i>Construction of a Data Engineering Pipeline for Training a Clinical Risk Classification Model</i> Luke Bird, South Tees Hospital NHS Foundation Trust
10:05 - 10:25	<i>A dictionary-driven pipeline for the calculation of clinical key performance indicators</i> Man Him Law, HCA Healthcare UK
10:25 - 10:45	<i>Automated Clinical Audit of Planned vs Delivered Treatment Details</i> Jack Baldwin, Leeds Teaching Hospitals NHS Trust
10:45 - 11:15	<i>Ethics of AI - Applying ALETHEIA framework to oncology</i> Marianne Aznar, University of Manchester
11:15 - 11:45	Coffee Break

Session 2 - Professional & QMS	
11:45 - 12:05	<i>Case study: Challenges of providing a sustainable service in a radiotherapy department without a dedicated computing section</i> William Beasley, University Hospitals Dorset NHS Foundation Trust
12:05 - 12:25	<i>Starting a clinical computing service in Radiotherapy Physics</i> Jonny Lee, University Hospitals Dorset NHS Foundation Trust
12:25 - 12:45	<i>A Quality Management System for Radiotherapy TPS Scripts</i> Matt Ward, University Hospital Southampton NHS Foundation Trust
12:45 - 13:05	<i>In-House Software Development in Radiotherapy - Lessons Learnt</i> Marcus Tyyger, Leeds Teaching Hospitals NHS Trust
13:05 - 13:55	Lunch

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Afternoon

Session 3 - Clinical Implementation	
13:55 - 14:25	<i>perfusion2diagnosis: from research to clinical application, and back again</i> James Leighs, University Hospitals Southampton NHS Foundation Trust
14:25 - 14:45	<i>FSynapse: A Software Toolbox to Support Development of Multimodal Clinical Decision Support Tools for Falls and Syncope Assessment</i> Ivan Lifanov, St James' Hospital
14:45 - 15:05	<i>Developing a vendor neutral cardiac implant device checker for MR safety queries</i> James Moggridge, University College London Hospitals
15:05 - 15:25	<i>Clinical decision support in triaging patients for surgery</i> Stephen Lake, Liverpool University Hospitals NHS Foundation Trust
15:25 – 15:45	Coffee Break

Session 4 - Interactive Discussion on Key Topics	
15:45 – 16:30	Round Table Interactive Discussion
16:30 – 16:45	Closing Remarks