

Linac QA Automation

Tuesday 2nd July 2024 – Leeds Morning

09:10 - 09:15	Welcome and Introductions
	Patrick Downes and Mayur Munshi
09:15 - 09:45	<i>Strengths and Weaknesses of MPCE as a Linac QC Tool and How it Could Potentially be Improved From The Literature</i>
	Michael Barnes, Calvary Mater Newcastle, Australia (Remote)
09:45 - 10:00	<i>Analysis of Machine Performance Check Results to Plan Preventative Maintenance</i>
	Kevin Brownsword, Hull University Teaching Hospitals NHS Trust
10:00 - 10:15	<i>MPC Data Explorer – case report</i>
	Rollo Moore, Royal Marsden Hospital NHS Trust
10:15 - 10:30	<i>SNC Machine for Linac QA</i>
	Karen Whitfield, Royal Devon University Healthcare NHS Foundation Trust
10:30 - 10:45	<i>Automating Electron Density Calibration Checks with the RMI Phantom</i>
	Nabihah Rahman, Imperial College Healthcare NHS Trust
10:45 - 11:15	Break

11:15 - 11:30	Elekta
	Steve Bellchambers
11:30 - 11:45	Sun Nuclear
	Greg Martin
11:45 - 12:00	Radformation
	Patrice Aka
12:00 - 12:15	<i>Vendor session</i>
	TBA
12:15 - 12:30	Vendor Q&A
12:30 - 13:30	Lunch

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Tuesday 2nd July 2024 – Leeds Afternoon

13:30 - 14:00	<i>Linac Manufacturer Integrated Quality Control</i>
	Michael Pearson, Guy's and St Thomas' NHS Foundation Trust
14:00 - 14:30	Discussion/Q&A – ‘All QC will be done by manufacturer-integrated methods inevitably’
14:30 - 14:50	Break
14:50 - 15:20	<i>Patient-specific, online delivered dose reconstruction for treatment verification</i>
	Bjoern Eiben, The Institute of Cancer Research
15:20 - 15:35	<i>In-House Development of Automated EPID-based Daily QA to Reduce QA Burden</i>
	Marcus Tyyger, Leeds Teaching Hospitals NHS Trust

15:35 - 15:50	<i>Experience of automated image analysis with PyLinac and QATrack+</i>
	Dan Kirby, Worcestershire Acute Hospitals NHS Trust
15:50- 16:05	<i>PyiCom – Automated QA Field Sequencing and Linac Parameter Capturing for Elekta</i>
	Ruben Faris, GenesisCare UK
16:05- 16:20	<i>ArcCheck Assistants – Record automation during Patient Specific QA delivery for ArcCheck.</i>
	Ruben Faris, GenesisCare UK
16:20 - 16:30	Final Thoughts and Close