## Al in Practice for PET and Nuclear Medicine

30<sup>th</sup> November 2022 – Online

10:20 – 10:25	Welcome and Introduction	15:00 – 15:20	Coffee Break
<u>Morning Sessi</u> 10:25 – 11:05	on – Basics of Al and Implementation Machine learning – What it is, how it works, the nuclear medicine data it could be applied to and a live demo Richard Meades, Royal Free London NHS Foundation Trust	Afternoon Session 2 – Development and Clinical Use of Al in PET and Nuclear Medicine (continued)   15:20 – 15:50 Artificial Intelligence and Nuclear Medicine: Best Practices and Trustworthy Ecosystems   Arman Rahmim, University of British Columbia and BCCA	Artificial Intelligence and Nuclear Medicine: Best Practices and
11:05 – 11:35	Image reconstruction in PET: from state-of-the-art to Al Andrew Reader, King's College London		
11:35 – 12:00	An In-House Automated Segmentation Tool for MUGA Scans Jonathan Taylor, Sheffield Teaching Hospitals NHS Foundation Trust	15:50 – 16:10 16:10	Panel Discussion Close
12:00 – 12:30	Role of AI Research Radiographers – Artificial Intelligence Imaging Hub Sharon Vit and Robby Emsley, Royal Marsden NHS Foundation Trust		
12:30 – 14:00	Lunch		
Afternoon Session 1 – Development and Clinical Use of AI in PET and Nuclear Medicine			
14:00 – 14:05	Welcome (afternoon session)		
14:05 – 14:30	BRAIN AI: An Artificial Intelligence Tool for Dementia Diagnosis Sofia Michopoulou, University Hospital Southampton NHS Foundation Trust		
14:30 – 15:00	Al in PET and Nuclear Medicine: Separating Signal from the Noise Shah Islam, Imperial College London		



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