

Ultrasound Update 2023

14th March 2023 – St George's Centre, Leeds

09:45 – 09:50 **Welcome and Introduction**

Session 1 – Chair: Sian Curtis, University Hospitals Bristol and Weston NHS Foundation Trust

09:50 – 10:05 **Low-Cost Ultrasound Doppler Phantom – An In-Use Review**
Adam Studd, University Hospitals of North Midlands NHS Foundation Trust

10:05 – 10:20 **Feature Identification in Lung Ultrasound Imaging Using Machine Learning**
James McLaughlan, University of Leeds

10:20 – 10:35 **A Computer Aided Assessment of Ultrasound Shear Wave Elastography Imaging**
Emma Barton, Guy's and St Thomas' NHS Foundation Trust

10:35 – 10:40 **Overview of Posters**

10:40 – 11:00 **Coffee**

Session 2 – Sam Butler, University Hospitals of North Midlands NHS Trust

11:00 – 11:25 **An update from the BMUS Physics & Safety Group**
Prashant Verma, Sheffield Teaching Hospitals NHS Foundation Trust

11:25 – 11:50 **Developing a Non-Ionising Scope of Practice for Clinical Technologists**
Jane Brown, Belfast Health and Social Care Trust

11:50 – 12:15 **Workforce Survey Results**
Matthew Dunn, Nottingham University Hospitals NHS Trust, and Jemimah Eve, IPEM

12:15 – 12:40 **Discussion and Workforce Panel**

12:40 – 13:30 **Lunch**

Session 3 – Chair: Cameron Ingham, University Hospitals Bristol and Weston NHS Foundation Trust

13:30 – 13:45 **Is Monthly Ultrasound Quality Assurance Enough?**
Jasmine Lister, Sheffield Teaching Hospitals NHS Foundation Trust

13:45 – 14:00 **Investigating the Relationship Between Ultrasound Sensitivity Loss and Image Quality**
Nick Dudley, Multi-Medix Ltd

14:00 – 15:00 **Report 102 Discussion and Panel**

15:00 – 15:15 **Coffee**

Session 4 – Chair: Sam Butler, University Hospitals of North Midlands NHS Trust

15:15 – 15:30 **Acoustic Measurement of Cylindrical Transducers**
David Bell, Precision Acoustics

15:30 – 15:45 **Comparison of Three Ultrasound Systems Used in LDR Brachytherapy**
Christopher McLeod, NHS Lothian

15:45 – 16:00 **Final Discussion**

16:00 **Close**