

## Day One

# Ultrasound & Optical Radiation Symposium

Tuesday 11<sup>th</sup> & Wednesday 12<sup>th</sup> March 2025 - London

09:00	09:45	Registration
<b>Session 1</b>		
09:45	10:00	<b>Topic: Research and Development</b> <b>Hello, and Welcome</b> Sarah Matthews, East Kent Hospitals University NHS Foundation Trust
10:00	10:20	<b><i>Acoustic Characterisation of the International Electrotechnical Commission (IEC) Agar-based Tissue Mimicking Material Under Freeze-Thaw Cycles for Ultrasound Test Objects</i></b> Agathe Bricout, University of Edinburgh
10:20	10:40	<b><i>Characterisation of a novel tissue mimicking material for fabrication of ultrasound flow phantoms of pre-clinical dimensions</i></b> Yi Zheng, University of Edinburgh
10:40	11:00	<b><i>Synthetic Spheres: Modelling Anechoic Lesion Detectability with a Uniformity Phantom</i></b> Ted Lynch, Sun Nuclear Corporation
11:00	11:30	<b>Coffee Break</b> Networking, Exhibitors, Posters
<b>Session 2</b>		
11:30	12:00	<b>Super-Resolution Ultrasound Imaging: Technical Challenges and Opportunities</b> Jaime Parra Raad, KCL
12:00	12:20	<b><i>Comparison of Point Shear-Wave Elastography and 2D Shear-Wave Elastography: a phantom study</i></b> Ioana Pinzaru , Guy's & St Thomas' NHS Foundation Trust
12:20	12:40	<b><i>Progress Report: Non Ionising Scope of Practice for Clinical technologists</i></b> Jane Brown, Belfast Health & Social Care Trust
12:40	13:50	<b>Lunch break</b> Networking, Exhibitors, Posters

<b>Session 3</b>		<b>Topic: QA</b>
13:50	14:20	<b><i>Invited speaker - Report 70 Update</i></b> Prashant Verma, Sheffield Teaching Hospitals NHS Trust
14:20	14:50	<b><i>Report 70 questions and Report 102 update and questions/feedback (interactive session)</i></b> All
15:50	15:20	<b><i>Qualitative review of an ultrasound QA feedback survey sent to imaging departments within our service.</i></b> Eloise O'Sullivan, University Hospital Sussex Foundation Trust
15:20	15:40	<b>Coffee</b> Networking, Exhibitors, Posters
<b>Session 4</b>		
15:40	16:00	<b><i>Early experiences using a prototype random low echo sphere (voids) tissue mimicking test object.</i></b> Kevin Munson, Sheffield Teaching Hospitals NHS Trust
16:00	16:20	<b><i>Development and Application of a Flow Phantom for Verifying the Accuracy of Transcranial Doppler (TCD) Ultrasound Systems</i></b> Justyna Janus, University Hospitals of Leicester
16:20	16:40	<b><i>Verification and integrity checks on a commercial Doppler flow phantom</i></b> David Rowland, The Christie
16:40	16:50	<b><i>Closing remarks</i></b> Sarah Matthews, East Kent Hospitals University NHS Foundation Trust

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09:00 09:30 Registration

### Session 1

- 09:30 09:40 **Hello, and Welcome**  
Natalie Bales, NHS Somerset NHS Foundation Trust
- 09:40 10:10 **How would you support deployment of Far-UVC in your hospital?**  
Ewan Eadie, NHS Tayside
- 10:10 10:30 **A Blueprint for Far-UVC in Healthcare: Air Quality Considerations, Research Priorities and Practical Guidelines**  
James Montavon, Blueprint Biosecurity
- 10:30 11:00 **Coffee Break**  
Networking, Exhibitors, Posters

### Session 2

- 11:00 11:30 **Review of UVA-1 Phototherapy and Equipment Procurement Options**  
Grace A Aneju, Guy's and St Thomas' NHS Foundation Trust & Jason Britton, Leeds Teaching Hospital
- 11:30 11:50 **Investigating Photoprotective Properties of Common Fabrics from Popular UK Retail Stores**  
Rebecca Meehan, University of St Andrews
- 11:50 12:00 **Assessment of Ultraviolet Radiation Doses from Hand and Foot units. Are spot measurements satisfactory?**  
Jason Britton on behalf of Caroline Marshall, Leeds Teaching Hospital

### Session 2 Continued

- 12:00 12:10 **Comparison of the efficacy and safety of the MED test with the Fitzpatrick scale for assessing the initial dose of UVB treatment in patients.**  
Justyna Janus, University of Leicester
- 12:10 12:20 **An investigation into eye protection for patients receiving PUVA therapy**  
Mingkai Wang, University of Dundee
- 12:20 12:30 **Normal erythema ranges in diagnostic phototesting**  
Ewan Eadie, NHS Tayside
- 12:30 13:50 **Lunch break**  
Networking, Exhibitors, Posters

### Session 3

- 13:50 14:10 **BAUS and BMLA recommendation on the use of protective eyewear in Endourological laser procedures**  
Jason Britton, Leeds Teaching Hospital
- 14:10 14:40 **Upcoming Regulatory Changes for Cosmetic Laser Treatments**  
Tom Lister, Somerset NHS Foundation Trust
- 14:40 15:20 **Open Floor: Optical Discussion and Q&A**  
Chair - Tom Lister, Somerset NHS Foundation Trust
- 15:20 15:30 **Closing comments & recap of the 2 days**  
Natalie Bales, NHS Somerset NHS Foundation Trust & UNIR SIG Members

NB: Programme subject to change  
Hosted in conjunction with IPEM UNIR SIG