

DAY 1 - TUESDAY 6TH DECEMBER 2022

9.15 - Presidents Address

<p>Ultrasound in Bowel Disease 9.30 - 11.00 Chairs: Ruth Reeve and Jeanette Kraft Assembly Room</p>	<p>Maximising Ultrasound Services 9.30 - 11.00 Chairs: Catherine Kirkpatrick and Peter Cantin Ferrier Hall</p>	<p>New and improved technologies for medical ultrasound imaging 9.30 - 11.00 Chairs: Barry Ward and Heather Venables Room L</p>	<p>Room C & D</p>	<p>Using AI in Practice 9.30 - 11.00 Chairs: Rita Philips and Antonio Sassano Room B</p>
<p>Ultrasound of the acute abdomen in children Tobi Aderotimi Ultrasound in Inflammatory Bowel Disease Rose Panton Developing a local bowel ultrasound service Nigel Grunshaw Role of ultrasound in bowel cancer Anmol Gangi</p>	<p>Preceptorship and Capability Development - How do we make this a reality? Peter Cantin How can managers be supported to develop more of their staff to advanced consultant level Pamela Parker How does the student researcher positively impact the Clinical Department Catriona Hynes Quality versus quantity: Saying 'no' to unnecessary scans Shaunna Smith Q and A</p>	<p>Innovations and developments in Vascular ultrasound Kate Bryant Ultrasound-mediated drug delivery – what can it offer and what progress has been made towards clinical adoption Helen Mulvana Ultrasound for medical therapies: From Neuromodulation to thermal applications Elly Martin</p>	<p>Room C & D</p>	<p>The role of simulation in sonography education Catriona Hynes The use of AI in clinical practice Benjamin Stenberg Can we really detect vulnerable carotid atherosclerotic plaques by routine ultrasound? Do patients enrolled within the iliofemoral venous stent surveillance programme continue to report increased quality of life and venous symptom resolution? Carotid atherosclerosis in people of European, South Asian and African Caribbean ethnicity in the Southall and Brent Revisited study SABRE</p>

11.00 - 11.30 - Refreshment Break

<p>Ultrasound in Renal disease 11.30 - 13.00 Chairs: Jeanette Kraft and Adrian Lim</p>	<p>BMUS Debate - Council Chamber 11.30 - 13.00 Chairs: Hazel Edwards</p>	<p>The old and the new – the past, present and future of ultrasound imaging 11.30 - 13.00 Chairs: Barry Ward and Carmel Moran</p>	<p>Bowel Master Class 11.30 - 13.00 Led by: Ruth Reeve</p>	<p>Developing yourself professionally 11.30 - 13.00 Chairs: Rita Philips and Catriona Hynes</p>
<p>Ultrasound of paediatric cystic kidney disease Sophie Swinson The role of ultrasound in a multimodality review of renal disease Oliver Hulson Place of ultrasound in renal cyst assessment Roger Moshy The first 5 targeted trans-perineal prostate biopsies diagnose the majority of PROMIS criteria cancer in patients with a Likert 4 or 5 score on mpMRI Rare Finding of Occlusive Thrombus of a Testicular Varicocele.</p>	<p>Who's doing your scan? How do models of ultrasound service delivery differ in the UK, Denmark and Germany?' Welcome and Scene setting Hazel Edwards The UK Model of service delivery, pros and cons Catherine Kirkpatrick & Rhodri Evans The Danish model of service delivery, pros and cons Malene Pedersen The German Model of service delivery, pros and cons Matthias Wustner Debate</p>	<p>Point-of Care Ultrasound: A small revolution on a large scale Heather Venables Ultrasound Shearwave Elastography: Basic Physics, Clinical Application and Performance Assessment Kumar Ramnarine Images of Langevin (1872 - 1946): Pioneer of Ultrasound Physics Francis Duck</p>	<p>Elena Savoldi Rose Panton Richard Beable Nigel Grunshaw Anmol Gangi</p>	<p>Tips to publishing: Pearls and Pitfalls Colin Griffin Being a clinical-academic Radiographer Ian Simcock NIHR Research internship Sharon Watty Ultrasound in Lung Covid Ultrasound Screening of Non-Alcoholic Fatty Liver Disease (NAFLD) in Children and adolescents: A Critical Review The use of ultrasound elastography of the spleen in the investigation of human disease: a scoping review Use of ultrasound and computed tomography in the diagnosis and management of early-stage Fournier disease Diagnosis of an heterotopic pregnancy</p>

13.00 - 14.00 - Lunch

<p>Ultrasound in liver disease 14.00 - 15.30 Chairs: Ruth Reeve and Adrian Lim</p>	<p>How does ultrasound move forward in a world without regulation? 14.00 - 15.30 Chairs: Hazel Edwards and Pamela Parker</p>	<p>Imaging safely and effectively using modern ultrasound scanners 14.00 - 15.30 Chairs: Barry Ward and Kumar Ramnarine</p>	<p>Obstetrics Practical 14.00 - 15.30 Led by: Trish Chudleigh</p>	<p>Becoming a sonographer 14.00 - 15.30 Chairs: Rita Philips and Colin Griffin</p>
<p>Advanced ultrasound techniques in paediatric liver imaging Annamaria Deganello Ultrasound in assessment of liver disease Ed Godfrey HCC surveillance, the role of LIRADS Jamie Franklin Radiological liver lesion treatment options - current and future Peter Littler Paediatric abdominal ultrasound appearances in acute hepatitis patients in a tertiary paediatric hospital.</p>	<p>Regulation for sonographers: What's been done so far Charlotte Beardmore The role of the PSA in overseeing voluntary registration Christine Braithwaite An Ultrasound Managers perspective in employing unregulated ultrasound practitioners Suzanne Beattie-Jones From concept to reality: BSc Medical Ultrasound Degree apprenticeships - a new route for sonographer education How are BSc and apprenticeship courses affected in the absence of regulation Trudy Sevens Q and A: How does Ultrasound move forward in a world without regulation Pamela Parker</p>	<p>Snap, Crackle and Pop - the safe use of ultrasonic contrast agents Carmel Moran Recent Developments in Ultrasound Safety Piero Miloro Modelling of diaphragm motion using 4D ultrasound Ultrasound QA - The Good, the Bad and the Ugly Development of image analysis software to enable objectivity in ultrasound quality assurance</p>	<p>Ellen Dyer Alison Smith Sally Holloway</p>	<p>Preceptorship and beyond!! Rita Phillips /Peter Cantin What is Advanced Clinical Practice Catherine Kirkpatrick Factors influencing Sonography led bowel ultrasound clinic Implementation of Point of Care Ultrasound (POCUS) following a new curriculum focussing on common pathologies encountered in Ghana: physician, Æôs first experiences and perspectives Does performing the sliding sign technique on TVUS accurately identify deep infiltrating endometriosis Guidelines and coping mechanisms for obstetric sonographers delivering unexpected news via ultrasound Ultrasound diagnosis of Crohn's disease</p>

15.30 - 16.00 - Refreshments

16.00 - 17.00 DMB Lecture: "Only good for gallstones and gynaecology": Can we reverse the decline and fall of ultrasound in radiology?
Simon Freeman

17.00 - Welcome Reception

<p>Imaging across the trimesters - AI, Biochemistry & genomics 8.30 - 10.00 Chairs: Trish Chudleigh and Ellen Dyer Assembly Hall</p>	<p>Head and Neck 1 8.30 - 10.00 Chairs: Catherine Kirkpatrick and Chris Greenall Ferrier Hall</p>	<p>Young Investigator 8.30 - 10.00 Chairs: Carmel Moran and Terry Humphrey Room L</p>	<p>DVT Lower Limb 8.30 - 10.00 Led by: Tanyah Ewen Room C and D</p>
<p>Where is 1st trimester screening going? Aris Papageorgiou Artificial Intelligence and fetal biometry Jacqueline Matthew Combining ultrasound biomarkers to screen fetal growth Gordon Smith Clinical value of 3D ultrasound at 11-14 weeks of gestation. Round table discussion All Speakers</p>	<p>Ultrasound of the oral Cavity and Pharynx Susan Jawad - Recorded Ultrasound of the larynx. What can Ultrasound add Rhian Rhys Unusual head and neck masses. What are they and what should I do with them Jagrit Shah Unusual Cas Studies and MDT panel discussion Catherine Kirkpatrick and Chris Greenall Session Q and A</p>	<p>The effect of suspension medium on the ultrasound backscatter signature of microbubbles within a flow phantom Sonographer led discharge in a deep vein thrombosis clinic; a feasibility study Prediction of arteriovenous fistula maturation outcomes in end-stage renal disease patients, using invasive and non-invasive techniques: Pilot study The first 5 targeted trans-perineal prostate biopsies diagnose the majority of PROMIS criteria cancer in patients with a Likert 4 or 5 score on mpMRI</p>	<p>Amine Turay Mari Wester Shannon Halliwell Tracey Gall Lynne McRae Vikki Galgerud David Muwanga Emily Morgan</p>
<p>10.00 - 10.30 Refreshments</p>			
<p>Putting guidelines into perspective - how many do we need? 10.30 - 12.00 Chairs: Trish Chudleigh and Gill Harrison</p>	<p>Head and Neck 2 10.30 - 12.00 Chairs: Catherine Kirkpatrick and Rhodri Evans</p>	<p>Ultrasound taken to the extreme 10.30 - 12.00 Chairs: Benjamin Stenberg and Bob Jarmen</p>	<p>DVT Upper Limb 10.30 - 12.00 Led by: Tanyah Ewen</p>
<p>The pitfalls of uterine artery doppler - a practical guide Ellen Dyer TBC Shaunna Smith Monitoring saving babies lives - is it working, for whom and how do we know? Sascha Wells & Donald Peebles Round table discussion All Speakers How much extra time do sonographers really need to perform 20-week uterine artery Dopplers?</p>	<p>TNM8 Staging. Is Ultrasound useful? Chris Greenhall Thyroid Cancer. Management and Prognosis Abigail Pascoe Parathyroid Imaging: Lessons Learned Rhodri Evans Salivary Gland Imaging. Where Does Ultrasound fit in?/ Paediatric Head and Neck Scanning - Are they small adults or is there more to it Sumit Jagani Q and A</p>	<p>Large Mammal ultrasound and other imaging Fieke Molenaar Measuring ultrasound in challenging ocean environments Bajram Zeqiri Wild Whale Sharks Rui Matsumoto Innovation and development of pre-hospital military Ultrasound Georgie Blenkinsop Space, the final frontier for ultrasound Paul Muckelt</p>	<p>Nazia Saeed Mari Wester Shannon Halliwell Tracey Gall Lynne McRae Vikki Galgerud David Muwanga</p>
<p>12.00 - 13.00 Lunch</p>			
<p>Educating sonographers, the profession and the service - time for a rethink 13.00- 14.00 Chairs: Ellen Dyer and TBC</p>	<p>Guidelines and Pathways in MSK Ultrasound 13.00- 14.00 Chairs: Mark Charnock and Alison Hall</p>	<p>PoCUS Enlightening session 1 - Governance 13.00- 14.00 Chairs: Bob Jarman and Ben Stenberg</p>	<p>Head and Neck Practical 13.00- 14.00 Led by : Catherine Kirkpatrick</p>
<p>Those first two sentences - what, how & when? Getting it right when there's a problem Jude Johnson Routine Screening, images, sonographers and barristers Trish Chudleigh An obstetric sonographer career pathway - A vision through rose tinted glasses Gill Harrison Round table discussion All Speakers Assessing the introduction of the new BMUS 'Growth' guidelines into routine practice.</p>	<p>Ultrasound of lumps and bumps in Children Jeanette Kraft Overview of Acute MSK ultrasound Service at UHL Amanda Parry An introduction to Adult Groin and hip scanning Richard Brindley</p>	<p>Levels of entrustment in PoCUS training - time for a rethink Simon Richards BMUS/RCR PoCUS Guidelines Hazel Edwards How can we accommodate the increasing number of PoCUS trainees in pressured clinical specialties? Florence Dupriez Developing PoCUS in AHP Curricula Mike Smith PoCUS and PACS - never the twain shall meet Chris Yap LogMyScan - development and evaluation of an innovative mobile phone based log book Bob Jarman Using ultrasound to gain peripheral venous access: A local teaching programme</p>	<p>Rhian Rhys Jagrit Shah Lawrence Berman Chris Greenall Rhodri Evans Michelle Davies</p>
<p>14.30 - 15.00 - Refreshment Break</p>			
<p>AXREM Debate - Council Chamber 15.00 - 16.30 TBC</p>	<p>Emerging roles in MSK Ultrasound 15.00 - 16.30 Chairs: Mark Charnock and Amanda Parry</p>	<p>PoCUS Enlightening session 2 - Clinical Practice 15.00 - 16.30 Chairs: Bob Jarman and Hazel Edwards</p>	
<p>This is a debate where the future of ultrasound will be discussed and the AXREM Ultrasound manifesto will be the basis of discussions. Right first time.... Helping to improve Ultrasound pathways cost and resource management.</p>	<p>The use of ultrasound guided interventions in a community based chronic pain management service Ashish Khiloshiya MSK Sonographer career progression; A new approach Catharine Berry US Guided intervention for Physiotherapists Mike Bryant Semi-Automated Tracing of Hamstring Muscle Architecture For B-Mode Ultrasound Images</p>	<p>Establishing international evidence - based guidelines for clinical practice - EFSUMB PoCUS clinical practice Guidelines initiative Bob Jarman Essential PoCUS Education and resources online Cian McDermot Improvements in Haemodynamic fluid assessment Justin Kirk-Bayley Can PoCUS reduce clinical demands on radiology? Nick Smallwood Are artificial intelligence features useful on PoCUS Machines Marcus Peck Augmenting B-mode images for Ultrasound guided procedures James Bowness "Ultrasound skills at ITU" teaching experience</p>	
<p>16.30 - Close</p>			

<p>Multiple pregnancy - there's more to it than a couple of gestation sacs 9.00 - 10.50 Chairs: Trish Chudleigh and Alison Smith Assembly Room</p>	<p>Interventional Ultrasound 9.00 - 10.50 Chairs: Peter Cantin and Adrian Lim Ferrier Hall</p>	<p>Vascular Science 1 9.00 - 10.50 Chairs: Lynne McRae and Tracey Gall Room L</p>	<p>MSK Workshop -Upper Limb 9.00 - 10.50 Led by: Mark Charnock and Amanda Parry Room C and D</p>	<p>Veterinary Session 1 8.30- 10.50 Chairs: Angie Lloyd-Jones and Nuala Summerfield Room B</p>
<p>Twinning in early pregnancy - understanding the embryology Sian Mitchell Twinning in early pregnancy - ultrasound (tips & pitfalls) Alison Smith Early Pregnancy communication - are we getting it right? Roxanne Sicklen & Ruth Bender Atik</p>	<p>The sonographer and interventional procedures. A quality and governance framework Ms Kerry Green Abdominal Interventional Procedures - Principles and Practice Dr Michael McNeill Intervention in the head and neck Ms Sarah Martyn Interventional ultrasound and the prostate gland Mrs Pamela Parker The role of interventional advanced practice sonographer Ms Catherine Lee</p>	<p>The importance of accurate Carotid Velocity Measurements Osain Llwyd Deep Venous Intervention Vikki Galgerud The training and future role of interventional scientists Gurdeep Jandu DVT the aftermath Jane Todhunter Quality and accuracy of vascular ultrasound equipment Nick Dudley</p>	<p>Alison Hall Mark Charnock Amanda Parry Richard Brindley Catherine Berry Harjinder Singh Ibrahim Azam Mike Bryant</p>	<p>Transducer Care Nick Dudley The Future of Education: using video, storytelling, and technology to advance veterinary ultrasound education. Toby Trimble Case study on Mullerian Duct abnormality Wiktorija Jamont The limitations and merits of having a Nurse-led FAST Scan Service at a SA Specialist Hospital Annabel Kerr Emergency ultrasound of the abdomen beyond AFAST Emilie Paran Choosing the right ultrasound machine for your needs and post-purchase perks Caroline Taylor</p>

10.50 - 11.20 - Refreshment Break

<p>Time to embrace new technologies 11.20 - 13.10 Chairs: Alison Smith and Jonathan Gaughran</p>	<p>The use of artificial intelligence in ultrasound 11.20 - 13.10 Chairs: Benjamin Stenberg and Barry Ward</p>	<p>Vascular Science 2 11.20 - 13.10 Chairs: Tanya Ewan and Gail Curran</p>	<p>MSK Workshop - Lower Limb 11.20 - 13.10 Led by: Mark Charnock and Amanda Parry</p>	<p>Veterinary Session 2 11.20 - 13.10 Chairs: Angie Lloyd-Jones and Nuala Summerfield</p>
<p>Fertility Scan - what should we be looking for Gidon Lieberman 3D Ultrasound Scans - how to do and classify uterine congenital anomalies Angela Clough Addressing the skills of Gynae sonographer - time for a rethink? Peter Cantin</p>	<p>How does AI work and how can it be incorporated into ultrasound imaging Prof Alison Noble Utilising current and emerging AI technologies in the Obstetric examination Prof Aris Papageorghiou Integrating AI in non-obstetric ultrasound and education Mr Chris Edwards AI and the future of Ultrasound (and sonographers) Dr Ken Sutherland Incorporating AI into an NHS imaging department TBC</p>	<p>Should Iliac veins and the veins below the knee be scanned routinely as part of the protocol in ultrasound scanning for DVT diagnosis Amine Turay SMA Syndrome (possibly recorded) Helen Dixon Recurrent Sciatic Artery Lynne McRae Endovenous AVF Creation Amy Bosworth / Geoffrey Lie Practical tips for difficult DVT examinations Mari Wester</p>	<p>Alison Hall Mark Charnock Amanda Parry Richard Brindley Catherine Berry Harjinder Singh Ibrahim Azam Mike Bryant</p>	<p>Developing decent Doppler skills - Tips and Tricks Borsha Sarker Live demonstration of basic cardiac views Nuala Summerfield with Lille and Bonnie Interesting cardiac case studies Gaynor Jones Ultrasound Governance and what the Veterinary profession can learn from the NHS Julie Burnage</p>

13.10 - 14.00 - Lunch

<p>Masterclass in Endometriosis 14.00 - 16.00 Chairs: Trish Chudleigh and Alison Smith</p>	<p>Specialised MSK 14.00 - 16.00 Chairs: Mark Charnock and Amanda Parry</p>	<p>Collaborations and Innovations - How to take ultrasound into the future 14.00 - 16.00 Chairs: Catherine Kirkpatrick and Hazel Edwards</p>	<p style="background-color: #00728f; color: white; text-align: center; padding: 20px;"> A special thank you to our sponsors for making this event possible. </p>	<p>Veterinary Session 3 14.00 - 16.00 Chairs: Angie Lloyd-Jones and Nuala Summerfield</p>
<p>Diagnosing endometriosis what this means for the patient Claudia Tye Reconsidering the ultrasound diagnosis of endometriosis Alison Smith What the clinician needs to know - a gynaecologist's perspective Jonathan Gaughran</p>	<p>Psoriatic arthritis and the typical features not to miss on ultrasound scan Dr Muhamad Jasim Sarcoma MDT and the role of Ultrasound Dr Ibrahim Azam The use of ultrasound in athlete care Dr Harjinder Singh Appropriateness of musculoskeletal soft tissue swelling ultrasound scans</p>	<p>Maximising the value of professional collaboration William Ramsden Maximising the value of multiprofessional training in imaging academies Sam Anderson Patient experience of imaging reports - A systematic literature review. Professional Supervision - How could this support the sonographer workforce? Ultrasound practitioners perceptions and attitudes towards AI Felix Beacher The future direction of litigation in Ultrasound: pitfalls and tips for practitioners Alison Hall / Hazel Edwards / David Howe</p>		<p>An update on BMUS Veterinary Ultrasound Practice Standards Guidelines and ECVDI support Chris Warren-Smith The Urogenital Tract Ian David Jones Debate Is there now a need for a dedicated European Veterinary Ultrasound Society and a BMUS Veterinary Clinical Interest Group to support non-specialist multi-disciplinary veterinary ultrasound users? For: Chris Warren Smith and Angie Lloyd-Jones Against: Ian David Jones and Julie Burnage</p>

16.00 - Close