

## DAY 2 – WEDNESDAY 6TH DECEMBER 2023

### Plenary 1 – Voltigeur 2 (3rd Floor)

#### CHALLENGING EARLY PREGNANCY PATHOLOGIES AND DIAGNOSES WITH ULTRASOUND

08.30–10.00 Chairs: Dr Sian Mitchell, Guy's & St Thomas' Hospital, Mrs Roxanne Sicklen, Royal Free London NHS Trust

This session will focus on gestational trophoblastic disease, retained pregnancy tissue and pregnancies of unknown locations.

08.30 **Gestational trophoblastic disease**, Prof. Adrian Lim, Charing Cross Hospital

09.00 **The ultrasound appearances of retained pregnancy tissue**, Dr Jemma Johns, King's College Hospital

09.30 **An ultrasound diagnosis of PUL**, Dr Jackie Ross, King's College Hospital

#### ADVANCED ULTRASOUND TECHNIQUES USED TO CHARACTERISE OVARIAN MASSES

10.30–12.00 Chairs: Miss Alison Smith, Guy's & St Thomas' Hospital, Dr Jackie Ross, King's College Hospital

Borderline ovarian tumours will be demystified. There will be guidance on how to confidently define papillary projections and how to use in practice. In addition ovarian cysts in pregnancy will be discussed.

10.30 **Basic epidemiology ultrasound features of BOT**, Mr Ahmad Sayasneh, Guy's & St Thomas' Hospital

11.00 **When is it a papillary projection and when is it not?**, Dr Sian Mitchell, Guy's & St Thomas' Hospital

11.30 **Ovarian cysts in pregnancy**, Mr Jonathan Gaughran, Guy's & St Thomas' Hospital

#### LOOKING BEYOND THE USUAL

13.00–14.30 Chairs: Miss Alison Smith, Guy's & St Thomas' Hospital, Mr Jonathan Gaughran, Guy's & St Thomas' Hospital

The role of ultrasound in uro-gynaecology will be discussed. The needs of the trans-community attending for a pelvic scan will be considered and imaging of intra-uterine adhesions described.

13.00 **Pelvic Schwannoma – A rare pelvic mass**, Deirdre Murphy, University Hospital Southampton

13.05 **What does the urogynaecologist need from ultrasound?**, Dr Edward Ribbons, Guy's & St Thomas' Hospital

13.30 **Considering the needs of the trans community attending their pelvic scan**, Dr Roxanne Sicklen, Royal Free London NHS Trust

13.55 **Ultrasound and intra-uterine adhesions**, Dr Tejal Amin, Imperial College Healthcare Trust

14.20 **Question and Answer Session**

## **A MULTI-DISCIPLINARY TEAM APPROACH TO IMAGING IN GYNAECOLOGY**

15.00–16.30 Chairs: Mr Jonathan Gaughran, Guy's & St Thomas' Hospital, Dr Trish Chudleigh, Addenbrooke's Hospital, Cambridge University Hospitals

A radiologist, clinical nurse specialist and sonographer will bring their respective skill set to describe their role in supporting, diagnosing and managing the patient in their clinical pathway.

15.00 **When is CT & MRI a first-line investigation in gynaecological imaging from a pro-ultrasound radiologist**, Dr Anne Marie Coady, Hull and East Yorkshire Women and Children's Hospital

15.20 **The do's and don't's of a clinically useful gynae scan & its report**, Miss Alison Smith, Guy's & St Thomas' Hospital

15.40 **The role of the gynae-onc CNS in the patient's pathway**, Ms Michelle Winser, Guy's & St Thomas' Hospital

16.00 **Round Table Discussion: What should a departmentally useful gynae ultrasound imaging audit tool look like**, Dr Anne Marie Coady, Hull and East Yorkshire Women and Children's Hospital, Miss Alison Smith, Guy's & St Thomas' Hospital, Ms Michelle Winser, Guy's & St Thomas' Hospital

## **Plenary 2 – Voltigeur 1 (3rd Floor)**

### **HEAD AND NECK – PUSHING THE BOUNDARIES**

08.30–10.00 Chairs: Mrs Catherine Kirkpatrick, United Lincolnshire Hospitals NHS Trust, Mrs Amy Barnes, University Hospitals of Leicester NHS Trust

The Head and Neck sessions will embrace the conference theme of 'pushing the boundaries'. It will explore the innovative work of ultrasound in head and neck and the future direction. Is artificial intelligence an integral part of the ultrasound already and how will it affect future practice? It will also dive into head and neck ultrasound to enhance everyday practice.

8.30 **Should I Biopsy and Why? Lessons Learned**, Prof. Rhodri Evans, Withybush Hospital, Hywel Dda University Health Board

9.00 **Will AI be useful in head and neck ultrasound?**, Dr Andrew McQueen, Newcastle upon Tyne Hospital NHS Foundation Trust

9.30 **Pre-operative USG wire marking of neck lymph nodes**, Dr Peter Cantin, University Hospital Plymouth NHS Trust

### **HEAD AND NECK ULTRASOUND – WHAT IS IT GOOD FOR?**

10.30–12.00 Chairs: Dr Andrew McQueen, Newcastle upon Tyne Hospital NHS Foundation Trust, Prof. Rhodri Evans, Withybush Hospital, Hywel Dda University Health Board

10.30 **Salivary gland imaging**, Dr Gitta Madani, Salivary Gland Imaging

**10.55 Probing the paediatric neck mass**, Rhian Price-Davies, Morriston Hospital, Swansea Bay University Health Board

11.05 **Parathyroid imaging**, Dr Amy Gerrish, Nottingham University Hospitals NHS Trust

11.30 **Head and neck service provision and governance**, Mrs Catherine Kirkpatrick, United Lincolnshire Hospitals NHS Trust

## LUNCHTIME INDUSTRY EDUCATIONAL SESSION

12:10	<b>Integrating AI into everyday Ultrasound. Learn how Ultrasound is changing!</b> , Presented by Mr Pavan Pankhania, Multi-Segment Senior BDM, MIS Healthcare	Voltigeur 1	MIS Healthcare /Samsung Distributor
12:30	<b>Tomorrow's One-stop Liver Ultrasound Clinic</b> , Paul Sidhu, Professor of Radiology Kings College Hospital	Voltigeur 1	

## TEACH THE TEACHER

13.00–14.30 Chairs: Mrs Catherine Kirkpatrick, United Lincolnshire Hospitals NHS Trust, Miss Shaunna Smith, Hull University Teaching Hospitals NHS Trust

Professional Issues sessions will focus on Ultrasound Education Provision, exploring how we teach the teacher. Since the inception of ultrasound, teams in departments have shared the responsibility for teaching ultrasound trainees. However, how much training have they had as a group? Do we empower our whole teams to become modern mentors or do we only single out a select few? What is best practice and can we do better for our trainees and our teams? Are Radiology trainees a completely different kettle of fish or should we all be held to the same standard? Are clinical educator posts the key? BMUS intends to fully examine all aspects of this crucial topic for the future benefit of the ultrasound workforce.

13.00 **Practice Educators – What are their value and how to embed them into the dept**, Mrs Farrah Elsaghir, AECC University College & Royal United Hospital

**13.25 Findings of a scoping survey exploring UK sonographers' views on professional supervision**, Gillian Coleman, University of Derby

13.35 **Mentoring and coaching – how to do it better**, Ms Suean Pascoe, Zedu ultrasound training solutions

14.00 **CASE – 30 years on**, Dr Heather Venables, University of Derby

## THORACIC ULTRASOUND

15.00–16.30 Chairs: Dr Heather Venables, University of Derby, Dr Barry Ward, Newcastle upon Tyne Hospitals NHS Foundation Trust

Over the last decade or so, thoracic ultrasound has become widely used by respiratory physicians, sonographers and radiologists in a range of diagnostic procedures. In this session, we will explore the commonly and less commonly used techniques for imaging the lung and thoracic cavity, and discuss how the use of ultrasound in these applications is likely to develop over the coming years.

15.00 **Thoracic ultrasound in clinical context**, Dr Rahul Bhatnagar, North Bristol NHS Trust and University of Bristol

15.22 **Pleural ultrasound in practice: past, present and future**, Dr Izhaq Masih, Antrim Area Hospital

15.45 **Ultrasound imaging in lung disease**, Dr Raja Reddy, Kettering General Hospital NHS Foundation Trust

16.07 **Advanced ultrasound for procedures**, Prof. Najib Rahman, Oxford University Hospitals NHS Foundation Trust and University of Oxford

## Plenary 3 – 4th Floor Box 1

### YOUNG INVESTIGATORS

08.30–10.00 Chairs: Prof. Carmel Moran, University of Edinburgh, Mrs Terry Humphrey, Leeds Teaching Hospital

During this session, 5 short-listed oral papers from submitters under the age of 39 will battle it out to win the title of BMUS Young Investigator 2023 and the prize of representing the UK at the EUROSON 2024 Congress in Naples, Italy. Further details can be found on the awards page.

8.30 **Introduction of a paperless ultrasound quality-assurance system: A service improvement project**, Alice Bevan, Somerset NHS Foundation Trust

8.45 **PoCUS – Game changer in resuscitation**, Divya Lovelin Regina Rajaiah, York Teaching Hospital

9.00 **Gallbladder polyps: To follow or not to follow, that is the question**, Nazanin Babazadeh, Hull University Teaching Hospital NHS Trust

9.15 **Assessment of thermal index compliance in clinical ultrasound examinations**, Sam Butler, University Hospitals of North Midlands NHS Trust

9.30 **The effect of dead transducer elements on pulsed Doppler and imaging performance**, Daniel Wyatt, Multi-Medix

### SQUEEZING THE PIPS: HOW TO GET THE MOST FROM YOUR ULTRASOUND SCANNER

10.30–12.00 Chairs: Dr Heather Venables, University of Derby, Dr Sian Curtis, St Michael's Hospital

This teaching session is designed to provide sonographers, radiologists and other clinical users with useful snippets of information that will allow them to get even better images from their ultrasound equipment. We'll be talking about the various controls that are available on a typical modern scanner, and what happens to the image when you adjust them. We'll also touch on what users can do to ensure that they're scanning even more safely in their day-to-day clinical practice.

10.30 **Imaging anatomy: How to get the most from the 2D button**, Dr Barry Ward, Newcastle upon Tyne Hospitals NHS Foundation Trust

11.00 **Imaging and measuring flow: How to get the most from the CF and PW buttons**, Dr Colin Deane, King's College London and Cleveland Clinic London

11.30 **Caring for your scanner is caring for your patient**, Mr David Rowland, The Christie NHS Foundation Trust

## VASCULAR 1

13.00–14.30 Chairs: Mrs Tanyah Ewen, North West Anglia NHS Foundation Trust, Mrs Tracey Gall, Independent Vascular Services Ltd

The first session will look at pushing the boundaries of vascular ultrasound. The topics will include artificial intelligence, the use of deep learning within ultrasound equipment and 3D vascular ultrasound.

13.00 **Calf and Pedal 3D and Contrast Ultrasound Imaging**, Mr Joao Carreira, Manchester University NHS FT, IVS Ltd & Tomorrow Health Group

13.30 **Bridging the Gap: Implementation of duplex ultrasound techniques in general medical ultrasound**, Mr Ben Warner-Michel, Salford Royal NHS Foundation Trust

13.50 **Bilateral persistent sciatic artery**, Ms Lynne McRae, Royal Gwent Hospital

**14.05 A multidisciplinary team-led approach to improving care for patients with suspected giant cell arteritis**, Borsha Sarker, NIHR Leeds Biomedical Research Centre and Leeds Teaching Hospitals NHS Trust

## VASCULAR 2

15.00–16.30 Chairs: Mrs Tanyah Ewen, North West Anglia NHS Foundation Trust, Mrs Tracey Gall, Independent Vascular Services Ltd

This second session will include pelvic congestion imaging, tumours that mimic DVT and carotid velocity criteria.

15.00 **When an occluded vein isn't thrombus – a case study on Leiomyosarcoma**, Ms Jodie Baker, University Hospitals Sussex NHS Foundation Trust

15.20 **Grading carotid disease**, Mrs Tracey Gall, Independent Vascular Services Ltd

15.40 **Disparity in Pelvic Vein Incompetence: Time to recognise and treat in women**, Mrs Katja Norse, Independent Vascular Services Ltd

16.00 **Pelvic Vein Embolisation: the vascular radiologist perspective**, Dr Dare Seriki, Manchester University NHSFT

## **Practical Workshop – Dayjur Suite (2nd Floor)**

### **OBSTETRICS PRACTICAL SESSION**

8.30–10.00 Led by Mrs Ellen Dyer, Rosie Hospital

Dr Titia Cohen-Overbeek, Erasmus MC

Dr Anna Clark, Hillingdon Hospital, Queen Charlotte’s & Chelsea Hospital, Imperial College London

Dr Trish Chudleigh, Addenbrooke’s Hospital, Cambridge University Hospitals

### **MSK LOWER LIMB PRACTICAL**

10.30–12.00 Led by Ms Amanda Parry, University Hospitals of Leicester NHS Trust

Mr Mark Charnock, Sheffield Teaching Hospitals NHS Foundation Trust

Mr Andrew Longmead, Midlands Partnership NHS University Foundation Trust

Mr Richard Brindley, Cannock Hospital

Dr Syed Ali, Lancashire Teaching Hospitals NHS Foundation Trust

Mr John Leddy, Frimley Health NHS Trust

Mrs Catharine Berry, Leicester Hospitals

Mrs Kate Smith, Chapel Allerton Hospital

### **MSK UPPER LIMB PRACTICAL**

13.00–14.30 Led by Ms Amanda Parry, University Hospitals of Leicester NHS Trust

Mr Mark Charnock, Sheffield Teaching Hospitals NHS Foundation Trust

Mr Andrew Longmead, Midlands Partnership NHS University Foundation Trust

Mr Richard Brindley, Cannock Hospital

Dr Syed Ali, Lancashire Teaching Hospitals NHS Foundation Trust

Mr John Leddy, Frimley Health NHS Trust

Mrs Catharine Berry, Leicester Hospitals

Mrs Kate Smith, Chapel Allerton Hospital

### **HEAD AND NECK PRACTICAL**

15.00–16.30 Led by Mrs Catherine Kirkpatrick, United Lincolnshire Hospitals NHS Trust

Prof. Rhodri Evans, Withybush Hospital, Hywel Dda University Health Board

Dr Andrew McQueen, Newcastle upon Tyne Hospital NHS Foundation Trust

Mrs Amy Barnes, University Hospitals of Leicester NHS Trust

Mr Colin Griffin, Liverpool University Hospitals NHS Foundation Trust

Dr Lol Berman, Cambridge University Hospitals – Addenbrooke’s

Dr Ben Stenberg, Newcastle upon Tyne Hospital NHS Foundation Trust  
Dr Amy Gerrish, Nottingham University Hospitals NHS Trust

## **Satellite Session – 4th Floor Box 11**

**THERAPY IN ULTRASOUND NETWORK DRUG DELIVERY AND ABLATION  
RESEARCH**

**TBC**