

BMUS

54th Annual Scientific Meeting of the
British Medical Ultrasound Society

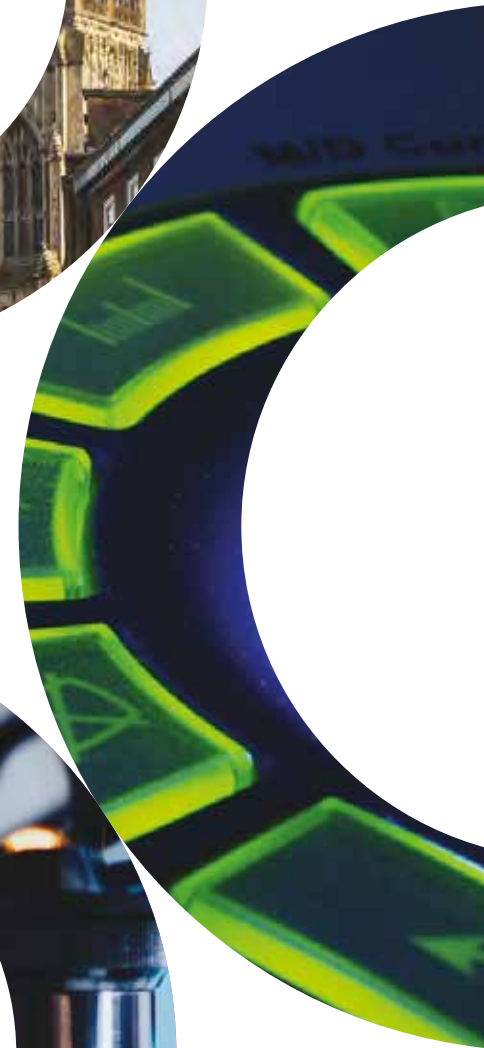
Ultrasound 2023

Pushing the boundaries of medical imaging

York Racecourse, York
5th-7th December 2023

Call for Papers and Preliminary Programme
Abstract submission deadline 31st July 2023

www.bmus.org





Dear Ultrasound Colleagues

My name's **Barry Ward** and I'm the Chair of the Scientific Organising Committee for this year's Annual Scientific Meeting, Ultrasound 2023, which we're delighted to be holding face-to-face again, in the beautiful, vibrant city of York, from Tuesday 5th to Thursday 7th December.

As healthcare changes rapidly around us and ultrasound expands into an ever-wider range of clinical applications, we've chosen the theme of this year's meeting to be 'Pushing the Boundaries of Medical Imaging'. Whether it's new technology we're getting to grips with, new clinical techniques we're evaluating, or new ways of working we're putting into practice, it's fair to say that we're all pushing the boundaries of what we can achieve with ultrasound in the post-pandemic world.

It was great to see so many interesting talks and posters submitted by you for last year's meeting in Cardiff, and we're hoping this year to do even better. We're very much looking forward to as many of you as possible sharing your current work with us, so please submit those engaging, high-quality abstracts between now and the summer via the website so we can put the programme together with a good mix of invited and proffered contributions. One other thing it's worth keeping in mind – all attendees who have had an abstract accepted for inclusion in the meeting pay a discounted registration fee, so it makes sense financially, as well as professionally, to play a part in the meeting.

To conclude, I'd like to thank my colleagues on the organising committee, Peter Cantin, Catherine Kirkpatrick, Shauna Smith and Ben Stenberg, for their invaluable assistance in pulling the outline of the meeting together. I'd also like to express my gratitude to the organisers of our scientific programme, including Mark Charnock, Ellen Dyer, Hazel Edwards, Tanyah Ewen, Peter Hoskins, Terry Humphrey, Bob Jarman, Jeannette Kraft, Angie Lloyd-Jones, Carmel Moran, Amanda Parry, Rita Phillips, Ruth Reeve, Alison Smith and Gail ter Haar, for their hard work in the background and their wide-ranging expertise in their various clinical specialisms.

I very much look forward to welcoming you to our meeting in York towards the end of this year, and catching up with you on the latest developments in our exciting field of work.



Abstract Submission Timeline

31st July 2023 – Submission Deadline

This date is the deadline for Abstracts and the BMUS Champion of the Year. Both should be submitted via the website.

30th August 2023 – Abstract Judging

All stream leads will have completed their assessments of each submitted abstract.

11th September – Author Notification

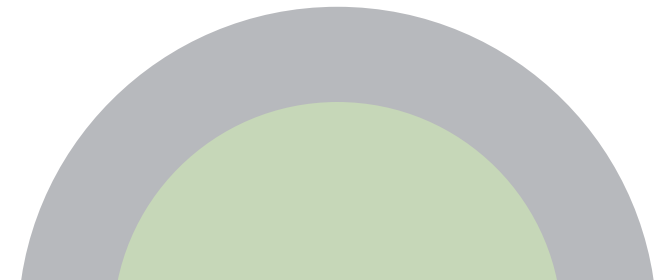
We aim to notify all abstract authors by this date if they have been successful.

30th September – Early Bird Registration Closes

22nd October – All submission authors should have registered to attend.

Successful abstract authors should register by this date. To present your work, there is a fee of **£130**. This covers a single day's attendance at the conference.

Please note all abstracts selected to be presented need to either register to attend at least one day or pay the presentation fee.



Day 1 - Tuesday 5th December 2023

| PLENARY 1 | PLENARY 2 | PLENARY 3 | PLENARY 4 | PRACTICAL |
|--|--|--|---|---|
| <p>Obstetrics 1 Genomics for obstetric sonographers</p> <p>Making genomics accessible to all. Genomics has the potential to revolutionise pregnancy care. This session aims to equip delegates with essential genomics knowledge.</p> | <p>MSK 1 The use of ultrasound in acute trauma</p> <p>Ultrasound is becoming more popular as a tool in the use of assessment of acute MSK trauma. This session aims to provide an insight into ultrasound diagnosis and guidance of onward management in injury. Presentations include Achilles tendon, distal biceps tendon and muscle injuries, from speakers who are experts in their field.</p> | <p>Professional Issues 1 (Interventional)</p> <p>Interventional Ultrasound Procedures performed by non-radiologists are becoming more commonplace. This session aims to explore the principles of ultrasound-guided interventional procedures given by experts in their field. It will cover principles of superficial, prostate, abdominal and chest and MSK ultrasound-guided interventions and examine the pearls and pitfalls of all aspects of a non-medical interventional service.</p> | <p>Student and Trainee Session</p> <p>The aim of this BMUS training-focused day is to enhance the students', trainees' and newly qualified sonographers' knowledge and understanding of the professional issues surrounding ultrasound practice to prepare them for their careers in the rapidly changing landscape of ultrasound.</p> | |
| <p>Obstetrics 2 Understanding twin pregnancies</p> <p>Scanning twins is sometimes challenging. This session aims to demystify twins with the help of some expert speakers.</p> | <p>MSK 2 Ultrasound in the management of disease process</p> <p>This session aims to highlight the importance of not only ultrasound diagnosis but also management of complex disease processes and help with treatment. Highly experienced speakers will give presentations on their areas of expertise, such as Rheumatology, sarcoma and more generalised musculoskeletal disease.</p> | <p>PoCUS Enlightening Session 1 Hot topics in PoCUS training and practice</p> <p>PoCUS is increasingly being included into the curricula of many medical specialities and allied professions. As a result, we will need to train many more clinicians, especially in new areas of PoCUS practice. This will be a challenge with current NHS pressures and resources. This session will explore innovations to overcome barriers to training and how we can support great practice in PoCUS.</p> | <p>Call for Papers</p> <p>As a student or trainee, you may have been involved with some interesting initiatives of clinical application, for example evaluated new technology, explored professional issues regarding sonography or even seen some unusual cases.</p> <p>The findings from MSc projects, audits or service evaluations are also important research activities for dissemination to the wider audience. The BMUS Training Stream is an ideal forum for you to present your work and share good practice with your peers. This is also a very good opportunity to develop and enhance your presentation skills in a safe and supportive environment and get feedback if you intend to publish your work.</p> <p>Supervisors, mentors and managers are asked to actively encourage and support their students and trainees to proffer papers for this conference.</p> | <p>Interventional</p> <p>Practical session looking at principles and techniques for some of the more common ultrasound-guided procedures such as biopsies and drainages in the thyroid and small parts, liver, abdomen etc. So if you are keen to have a go at something new or already doing intervention but keen to broaden your repertoire, this is a chance to get hands on and pick up some hints and tips from the experts.</p> |
| <p>Obstetrics 3 Obstetric research and teaching</p> <p>During this session, we will look at why women's reproductive health research is everyone's business and how we can inspire the next generation of obstetric sonographers.</p> | <p>MSK 3 MSK ultrasound specialities</p> <p>Ultrasound imaging is provided by a number of practitioners for use as a tool to support their own speciality. In this session, we hear from three specialist providers who give insight into the use of ultrasound within their profession.</p> | <p>PoCUS Enlightening Session 2 The phantom challenge</p> <p>Many aspects of learning PoCUS skills, especially with regard to practical procedures, can be aided by practising on an ultrasound phantom. However, are you fed up with expensive and low-fidelity models? If so, we hope to change your mind by showcasing some amazing and affordable creations, covering a variety of clinical applications. At the end of this session, you get to decide who is Top Phantom!</p> | | <p>Bowel</p> <p>Bowel ultrasound is increasingly being desired for many radiology and gastroenterology departments. This workshop intends to increase ultrasound practitioners' confidence in scanning and evaluating the small bowel, appendix and colon. Expert faculty will guide participants through the technique of bowel ultrasound, with hands-on experience in small groups and with helpful hints and tips.</p> |

16.00 Donald MacVicar Brown Keynote Lecture

Welcome Reception 17.00 - 18.00

Day 2 - Wednesday 6th December 2023

| PLENARY 1 | PLENARY 2 | PLENARY 3 | PLENARY 4 | PRACTICAL |
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| <p align="center">Early Pregnancy</p> <p>This session focuses on some of the more challenging early pregnancy pathologies and diagnoses with ultrasound. This will include gestational trophoblastic disease, retained pregnancy tissue and pregnancies of unknown locations.</p> | <p align="center">Head and Neck</p> <p>The Head and Neck session 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.</p> | <p align="center">Young Investigator</p> <p>During this session, 6 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.</p> | <p align="center">ThUNDDAR Session</p> <p>Information on this stream will be available at a later date</p> | <p align="center">Obstetrics Workshop</p> <p>Introducing the 20+2 method of teaching the 20-week anatomy scan.</p> |
| <p align="center">Gynaecology 2</p> <p>The objective of this session is to look at the advanced techniques used to characterise ovarian masses. 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.</p> | | <p align="center">Squeezing the pips How to get the most from your ultrasound scanner</p> <p>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.</p> | <p align="center">ThUNDDAR Session</p> <p>Information on this stream will be available at a later date</p> | <p align="center">MSK Workshop 1 and 2</p> <p>This half-day practical workshop will build on information gained from the previous day's lectures. Each station will have an experienced MSK sonographer/radiologist to help delegates practise and build on patient positions and ultrasound techniques.</p> |
| <p align="center">Gynaecology 3</p> <p>The aim of this session is to 'look beyond the usual' in order to inform practice. 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.</p> | <p align="center">Professional Issues 2</p> <p>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.</p> | <p align="center">Vascular 1</p> <p>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.</p> | <p align="center">ThUNDDAR Session</p> <p>Information on this stream will be available at a later date.</p> | |
| <p align="center">Gynaecology 4</p> <p>The final session is a multi-disciplinary team approach to imaging in gynaecology. A sonographer, radiologist and clinical nurse specialist will bring their respective skill sets to describe their role in supporting, diagnosing and managing the patient in their clinical pathway.</p> | <p align="center">Thoracic</p> <p>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.</p> | <p align="center">Vascular 2</p> <p>This second session will include pelvic congestion imaging, tumours that mimic DVT and carotid velocity criteria.</p> | <p align="center">ThUNDDAR Session</p> <p>Information on this stream will be available at a later date.</p> | <p align="center">Head and Neck Workshop</p> <p>The BMUS Head and neck workshop will be in full swing again this year led by experts going through head and neck anatomy, step by step, to enhance everyday practice. Faculty will provide demonstration and best practice technique in small groups to ensure maximum effective learning</p> |

Winter Ball and Awards Ceremony

Day 3 - Thursday 7th December 2023

| PLENARY 1 | PLENARY 2 | PLENARY 3 | PLENARY 4 | PRACTICAL |
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| <p>General Medical and Paediatric Trouble-shooting of focal abdominal lesions with ultrasound</p> <p>This session is intended to assist the ultrasound practitioner in developing strategies for characterising focal abdominal lesions in the adult and child. It will give hints and tips in the ultrasound management of these patients, discuss the role of new ultrasound technologies and look at how findings might be correlated with other imaging modalities.</p> | <p>Professional Issues 3</p> <p>Professional Issues sessions will explore the medico-legal world of ultrasound, but from viewpoints other than the traditional or the obvious. As ultrasound continues to 'push the boundaries of clinical imaging', does that have an impact on practitioners in medico-legal terms? What keeps us and our patients safe? How can our patients help themselves and us? In the emerging field of artificial intelligence (AI), where will the boundaries lie?</p> | <p>Ultrasound Physics Clinical technology update</p> <p>This session will cover technological advances available commercially and relevant to today's clinical practice, both diagnostic and therapeutic. Relevant areas include transducers, hand-held scanners, plane wave techniques, vector Doppler, HIFU and contrast agents.</p> | <p>Veterinary 1</p> <p>The Veterinary session will once again include a variety of interesting topics and case studies to enable vets and non-vet-trained ultrasound operators working within the veterinary profession to promote the safe and effective use of diagnostic ultrasound.</p> <p>We seek to promote high standards of clinical ultrasound practice and diagnostic confidence by inviting thought-provoking speakers from a multitude of clinical veterinary ultrasound backgrounds, including expert veterinary specialists, to share their experiences and invaluable clinical knowledge.</p> <p>We hope to empower multi-disciplinary professionals from both the Veterinary and Medical professions to come together to improve the quality and standards of small animal ultrasound practice.</p> | <p>Vascular 1 & 2</p> <p>The workshop will include upper-limb vascular assessment and carotid duplex.</p> |
| <p>General Medical and Paediatric Ultrasound in the management of the urological patient</p> <p>This session intends to highlight how ultrasound is best used in the patient presenting with a urological problem. It will cover testicular, renal and urinary bladder ultrasound together with new ultrasound technologies being used in assessing the prostate gland. This session will also cover contrast-enhanced ultrasound and multi-parametric ultrasound and their use in refining management strategies in patients who have indeterminate ultrasound findings.</p> | <p>BMUS Debate</p> <p>The last few years have provided a rush of artificial intelligence applications across all walks of life and ultrasound is no exception. Should we be embracing this as the future of ultrasound? Do we even have a choice? Will it improve our performance, including accuracy and better patient outcomes? Or is it a slippery slope to the dumbing down and eventual extinction of the sonographer/sonologist? Would you want a self-driving ultrasound machine doing your ultrasound scan? This BMUS debate will explore how much we should be welcoming AI onto our ultrasound machines and can we/should we be stemming the tide anyway?</p> | <p>Ultrasound Physics Emerging technologies</p> <p>This session will cover technological advances which are either in development or have become recently available commercially. Relevant areas include machine learning (including AI), super-resolution imaging, drug delivery, microvascular imaging and optically based techniques.</p> | | |
| <p>General Medical and Paediatric Ouch, it hurts - ultrasound in the acute setting</p> <p>This session is intended to update ultrasound practitioners who may use ultrasound in an acute setting. It will give insight into ultrasound techniques which may be used in patients presenting with an 'acute abdomen'. The session will look at common acute abdominal complaints in the adult, child and pregnant patient, how ultrasound contributes to their management and recognition of 'red flag' ultrasound signs which might indicate the acutely deteriorating patient.</p> | <p>Professional Issues 4</p> <p>In the second Professional Issues session of the day: As BMUS looks to support all its members to 'push the boundaries of clinical imaging' with best-practice documents and clinical guidance, it also promotes the support that should be afforded to the leaders in the ultrasound world with managerial roles. Hot topics in ultrasound management, strategy and team leadership will be key factors in this session.</p> | <p>Ultrasound Physics Practice update</p> <p>This session will cover issues relevant to the practice of ultrasound. Relevant areas include quality assurance, safety, standardisation, training simulators and phantoms.</p> | | |

Conference End



BMUS Champion Of The Year Award 2023

BMUS are delighted to be celebrating our members with the Award BMUS Champion of the year 2023. This award supersedes the Sonographer of the Year and is more representative of our membership.

The aim of this award is to celebrate the outstanding contributions made by BMUS Members to the field of Medical Ultrasound, and BMUS asks for nominations for those who go above and beyond as well as being good at their job.

Submissions should be made via the BMUS website. The deadline for nominations is 30th September 2023. Suitable candidates should:

- Ensure that patients are placed at the heart of service delivery.
- Go above and beyond to develop and maintain excellence in their field of ultrasound.
- Support and inspire others.
- Encourage the education and development of others.

The winner will be announced at the Ultrasound Annual Scientific Meeting 2023 Winter Ball being held on 6th December in York.

Reasons For Presenting Your Research At Ultrasound 2023

- Successful paper/poster abstracts will be published as an online supplement with the Ultrasound journal and will be listed in PubMed Central
- The successful paper/poster abstracts will be published in the final printed programme
- The opportunity to win awards and prizes for the best poster or oral presentation

- Highly discounted delegate fees to attend Ultrasound 2023 are offered to successful presenters
- Presenters will have the opportunity to have their research published in full in the BMUS journal, Ultrasound
- Oral presentations from presenters under 39 years of age will be automatically considered for the prestigious BMUS Young Investigator Session
- Each presenter will receive a certificate from BMUS stating that their research, poster or case study was presented at the meeting

Guidelines To Writing An Abstract

- The abstract should be structured with Objective/Aim, Method, Results and Conclusion
- The text of the abstract should be no more than 300 words
- The abstract text should be submitted through the online form and not uploaded as a written document
- Only supporting documents should be uploaded with the abstract, i.e. images, graphs, tables, reference list
- The abstract process is anonymous: please ensure that any supporting documents attached do NOT identify the authors
- Ask a colleague to check over your abstract for typos and spelling errors. What you write for your abstract is what will be published
- Ensure all authors are accurately entered, including their institution in full.

Abstracts not following these guidelines may be declined



54th Annual Scientific Meeting of the British Medical Ultrasound Society



BMUS Awards 2023

We are delighted to call for abstract submissions to be presented as a Poster, Oral or Case Study at Ultrasound 2023. Successful submissions will be automatically entered for our prestigious awards.

Best Oral Presentation

Accepted paper presentations are judged in terms of both scientific content and quality of presentation. The aim of the award is to support activities in the field of medical ultrasound, which advance the work or personal development of the winner.

The winning presenters will be encouraged to submit their work for publication in the BMUS journal, Ultrasound, and to provide a short report showing how the award was used. The awards are decided once the conference has been concluded. Winners will be advised in January 2024 and will be announced in the BMUS Newsletter 2024.

1st Prize

£200 plus complimentary BMUS 2024 membership.

Runner up

£50 plus complimentary BMUS 2024 membership.

Poster Awards

The Poster Awards are presented to the best Poster in the categories of:

- Scientific Poster
- Case Report Poster
- Clinical Poster

Judged by the 2023 Scientific Organising Committee on both content and presentation style, the winning Poster Presentations will be announced at the Winter Ball on Wednesday 6th December.

1st Prize

£100 plus complimentary BMUS 2024 membership for each category.

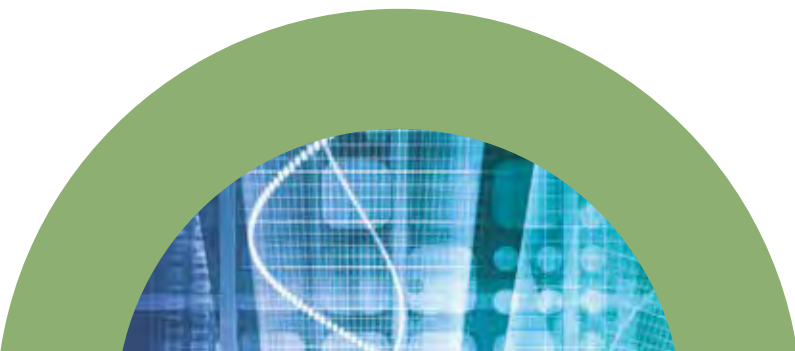
BMUS Young Investigator Award

Chosen Oral submissions will be accepted from presenters under 39 years of age.

The winning presentation, selected by an esteemed panel of judges, will be awarded the prestigious title of 'BMUS Young Investigator 2023'. The winner of this award will be announced at the Winter Ball on Wednesday 6th December.

Prize

The winner will represent the UK at the EUROSON 2024 Congress in Naples, Italy with the opportunity to win the 'European Young Investigator' title and one of the two possible cash prizes totalling €3000.





Join us to celebrate
**BMUS Winter Ball
and Awards**

The Principal Hotel, York
Wednesday 6th December 2023

Tickets are priced at **£39.90**

Please register at the time of booking your conference delegate place
for the awards evening as well as some great entertainment