51st Annual Scientific Meeting of the British Medical Ultrasound Society

Ultrasound 2019: Diagnosis, Disease & Delivery

Call for Papers & Preliminary Programme
Abstract submission deadline - 28th July 2019

10th - 12th December 2019
Harrogate Convention Centre, Harrogate
Further information can be found at www.bmus.org
I am delighted to be the Scientific Organising Committee Chair for 2019, and visiting the historic town of Harrogate. This year I felt it would benefit delegates attending the Meeting to have a driving theme across all the education streams.

“Diagnosis, Disease & Delivery” is intended to ensure that the Ultrasound Practitioners’ education includes, of course, ultrasound diagnoses but also widened beyond this including the ‘Fundamentals of Cross Sectional Imaging’, disease processes, clinical knowledge and how this impacts on the delivery of services and patient pathway, enhancing and pushing the boundaries forwards in medical ultrasound. I hope you can see this across the streams presented in this call for papers.

This year we are introducing two exciting new initiatives. Firstly, it gives me great pleasure to be launching the inaugural ‘Sonographer of the Year Award’! It is an accolade to celebrate outstanding contributions made by ultrasound practitioners across the nation. Do you have a colleague who champions the profession, promotes excellence in the field of Ultrasound, provides leadership, always goes that extra mile for patients and colleagues or educates future generations with unyielding enthusiasm. Then this award is for them. You can make your nominations now on the BMUS website. What are you waiting for, get nominating!

The second initiative is a bursary for successful student abstract presenters. After the success of last year’s student stream we have agreed to run the session again. Students will be able to submit papers to present during this stream to their peers. Each successful student presenter will be able to apply for a bursary to cover travel and accommodation. Making it easier for the next generation to be involved in and access education.

I look forward to welcoming many of you in Harrogate at the end of the year.

Catherine
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<th>HALL 1</th>
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<tr>
<td><strong>Women's Health: Obstetrics</strong>&lt;br&gt;Organised by T Chudleigh</td>
<td><strong>General Medical Bowel Ultrasound</strong>&lt;br&gt;Organised by N Grunshaw</td>
<td><strong>Medical Physics 1</strong>&lt;br&gt;Organised by B Ward &amp; N Dudley</td>
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<td>This year’s obstetrics and gynaecology streams have been brought together in recognition of the interplay between the two ultrasound specialisms, with early pregnancy bridging both streams. The three obstetrics sessions have been designed to expand our knowledge and challenge our current thinking of ultrasound interpretation, through a combination of presentations from experts in the field and interactive multidisciplinary roundtable discussion - with the overall aim of inspiring and updating the delegates. Expanding our horizons with placenta accreta and vasa praevia&lt;br&gt;* The clinician’s view&lt;br&gt;* Putting theory into practice – the sonographer’s role</td>
<td>There is a large black hole in the middle of the abdomen that is frequently ignored by ultrasound practitioners yet there is a huge amount of pathology that can be identified in the GI tract and mesentery. This session will focus on understanding and identifying how disease processes affect the bowel and explore in depth common conditions that can be visualised with ultrasound including inflammatory bowel disease, tumours and conditions which affect the mesentery and fat. The role of ultrasound and how it contributes to patient management will be discussed.</td>
<td><strong>Modern scanner knobology and quality assurance testing</strong>&lt;br&gt;This session provides an overview of scanner knobology and quality assurance testing for sonographers, radiologists, physicists and technologists, with a special emphasis on some of the newer technological features available on modern ultrasound equipment.</td>
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<td><strong>Women's Health: Obstetrics</strong>&lt;br&gt;Organised by T Chudleigh</td>
<td><strong>Fundamental Cross-Sectional Imaging</strong>&lt;br&gt;Organised by P Cantin &amp; P Parker</td>
<td><strong>Medical Physics 2</strong>&lt;br&gt;Organised by B Ward &amp; N Dudley</td>
<td><strong>Student Stream</strong>&lt;br&gt;Organised by J Arezina &amp; G Bolton</td>
<td><strong>Renal Doppler</strong>&lt;br&gt;Organised by P Cantin &amp; P Parker</td>
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<td>Professional issues&lt;br&gt;Is there a consensus between the deciders, the providers and the experts?&lt;br&gt;* What should be included in a 12 week ‘early anomaly’ scan?&lt;br&gt;* Echogenic bowel – is it or isn’t it, and what needs to be done about it?&lt;br&gt;* Will image review improve estimation of fetal weight?&lt;br&gt;* Do any of the above have medico-legal implications?</td>
<td>Imaging techniques are becoming ever more integrated and the modern sonographer is now required to have a basic understanding of alternative imaging techniques in order to practise effectively. This session is intended to provide a basic overview of imaging modalities other than ultrasound. Delegates should have a deeper understanding of how other imaging modalities (MRI, CT, plain x-ray and nuclear medicine) are utilised after attending this session.</td>
<td><strong>Exciting new developments in scanner technology</strong>&lt;br&gt;This session provides a whistle-stop tour of the various exciting new technological features that are available on many modern ultrasound scanners, and is designed to appeal to sonographers, radiologists, physicists and technologists.</td>
<td>This session will cover Consultant Practice Safety &amp; Ultrasound Physics, Medico-Legal Implications.</td>
<td><strong>Doppler ultrasound of the renal tract is often perceived as ‘difficult’ by many ultrasound practitioners.</strong>&lt;br&gt;<strong>Expert faculty will guide you through the scanning process with helpful hints, tips and tricks working in small groups with hands-on experience with live scanning of our models.</strong></td>
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<td><strong>Women's Health: Obstetrics</strong>&lt;br&gt;Organised by T Chudleigh</td>
<td><strong>Medical Physics 3</strong>&lt;br&gt;Organised by B Ward &amp; N Dudley</td>
<td><strong>Student Stream</strong>&lt;br&gt;Organised by J Arezina &amp; G Bolton</td>
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<td><strong>Bowel Practical</strong>&lt;br&gt;Organised by N Grunshaw</td>
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<td>Towards a better outcome during pregnancy and after delivery&lt;br&gt;* Free fetal DNA explained&lt;br&gt;* Antenatal surgery for spina-bifida&lt;br&gt;* NCARDS assessment of the routine screening programme</td>
<td><strong>Getting equipment repaired and assessing its safety</strong>&lt;br&gt;This session provides a wide range of important, useful information for sonographers, radiologists, physicists and technologists on the repair and replacement of ultrasound equipment and the assessment of its ultrasonic output.</td>
<td><strong>E-Learning for Health, Student Research and Case Study Presentations will be a feature of this session.</strong></td>
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<td>Following on from the morning’s plenary session, this session will focus on giving practical hands on small group experience in GI ultrasound. The workshop will start with a brief overview of the technique of scanning followed by hands on experience in small groups under the guidance of GI Ultrasound experts. The session will end with a Q&amp;A session with the faculty.</td>
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**Donald MacVicar Brown Lecture**<br>T Chudleigh

**Welcome Reception 17.00 – 18.30**
Day 2 - Wednesday 11th December 2019

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| **Women’s Health: Early Pregnancy**  
Organised by A Smith | **Musculoskeletal 1**  
Organised by L Waring | **Professional Issues**  
Organised by C Kirkpatrick | **Young Investigator 2019**  
Organised by C Moran & T Humphrey | **Liver Segmental Doppler**  
Organised by P Cantin & P Parker |
| **Diagnosis, detection & delivery - towards the thoughtful and inspired practitioner**  
The early pregnancy and three gynaecological sessions have been designed to challenge our current approach to ultrasound interpretation, through a combination of conventional expert lectures and interactive multidisciplinary round table discussion - with the overall aim of inspiring and updating the delegates.  
* Dilemmas of diagnosis in early pregnancy – pitfalls and medico-legal implications  
* What to say and how and when to say it – discussing early pregnancy scan findings  
* Ask the experts – interactive case studies discussion | **Anatomy and scan technique for shoulder, hand and wrist and foot and ankle**  
**Live scanning demonstrations of ‘how to’ scan some of the more common MSK regions with anatomy talks.**  
**Musculoskeletal 2**  
Organised by L Waring  
**Case study presentations**  
Interactive session presenting pathological cases with discussion on role of Ultrasound and other imaging modalities and differential diagnoses.  
Open forum: reporting MSK examinations.  
**Musculoskeletal 3**  
Organised by L Waring  
**Ultrasound in Rheumatology**  
The role of ultrasound in rheumatology including seronegative rheumatology and ultrasound guided synovial biopsies in RA research - the tissue is the issue. | **Head & Neck**  
Organised by C Kirkpatrick & G Johnson  
This head and neck session will focus on the multi-disciplinary team and where ultrasound is most useful in the patient pathway. It hopes to enable the ultrasound practitioner understand wider aspects of neck pathology and delivery of service whilst advancing knowledge and improving the way disease is diagnosed. Highlights will include Clinical Examination of the head and neck, The U3 Conundrum and Infection in the head and neck. | **ThUNDAR**  
Organised by G ter Haar & C Moran  
Information on this stream will be available at a later date | **Liver Elastography**  
Organised by A Lim  
This workshop will outline the different Elastography technologies available followed by a practical session on how to perform strain and shearwave Elastography using different scanners. Potential clinical applications will also be discussed.  
The workshop is aimed at sonographers and sonologists who would like to start utilising Elastography in their routine clinical practice. |
| **Women’s Health: Polycystic Ovarian Syndrome, Subfertility and You**  
Organised by A Smith | **Question Time**  
Organised by C Kirkpatrick  
It’s back by popular demand! Tackling the important issues - the good, the bad and possibly the awkward…  
Get your questions in early via the BMUS website/email and via the App at the conference itself, and the expert panel will…try… to answer or debate the issues and current affairs of the ultrasound world. | **Breast**  
Organised by K Satichthananda  
In line with ‘Diagnosis, Disease and Delivery’ theme of this year’s ASM the breast session will aim to cover the expectations from a breast surgeon from the imaging in a symptomatic clinic, combining with presentations covering the most common pathologies that will illustrate that breast disease is a spectrum of changes. Education on the imager’s role within the symptomatic clinic and on the new exciting, evolving technologies that are relevant to this area. | **ThUNDAR**  
Organised by G ter Haar & C Moran  
Information on this stream will be available at a later date | **Obstetrics**  
Organised by T Chudleigh  
The 2019 BMUS ASM has extended the practical workshops and is delighted to announce this year’s programme which also include hands on scanning of pregnant volunteers in order to enhance the teaching of obstetric ultrasound techniques led by expert faculty of ultrasound practitioners/sonographers from the UK’s leading Foetal Medicine Centres. |
| **Women’s Health: Towards Research**  
Organised by A Smith | **Musculoskeletal 4**  
Organised by L Waring  
**Imaging Plantar plate tears**  
The role of ultrasound in sports medicine. | **ThUNDAR**  
Organised by G ter Haar & C Moran  
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The workshop is aimed at sonographers and sonologists who would like to start utilising Elastography in their routine clinical practice. |
| **Women’s Health: Everything you need to know about Endometrium**  
Organised by A Smith | **Liver Segmental Doppler**  
Organised by P Cantin & P Parker |
| | | | | |
### General Medical & Paediatrics
**Organised by P Cantin, P Parker & T Humphrey**

#### The Dilated Kidney
This session is intended to look at imaging and management of the dilated kidney throughout all stages of life.

It is intended that delegates will possess a deeper knowledge of the ultrasound and other imaging findings and subsequent management options after attending this session.

#### The Jaundiced Patient
This session is intended to provide an overview of imaging and management of the jaundiced patient through all ages of life. As well as examining sonographic findings, this session will cover interpretation of LFTs, alternative imaging and clinical management of these patients.

#### Clinical Conundrums
This session is intended to examine current clinical issues in ultrasound which cause considerable debate and difficulty.

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<tr>
<td><strong>General Medical &amp; Paediatrics</strong></td>
<td><strong>Head &amp; Neck</strong></td>
<td><strong>Vascular</strong></td>
<td><strong>Veterinary</strong></td>
<td><strong>Musculoskeletal</strong></td>
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<td>Organised by P Cantin, P Parker &amp; T Humphrey</td>
<td>Organised by C Kirkpatrick &amp; Garry Johnson</td>
<td>Organised by E Waldegrave</td>
<td>Organised by A Lloyd-Jones</td>
<td>Organised by L Waring</td>
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<td><strong>The Dilated Kidney</strong></td>
<td>This head and neck session will focus on the multi-disciplinary team and where ultrasound is most useful in the patient pathway. It hopes to enable the ultrasound practitioner understand the wider aspects of ultrasound in head in neck pathology and delivery of service whilst advancing knowledge and improving the way disease is diagnosed.</td>
<td><strong>Upper limb DVT scanning, How, Why and When?</strong></td>
<td>This session will;</td>
<td>This half day practical workshop will build on information gained from the previous day's lectures. Each station will be focussing on 3 areas - shoulder, hand/wrist and foot/ankle where experienced sonographers/Radiologists will be on hand to help delegates practice and build on patient positions and ultrasound techniques.</td>
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<td>This session is intended to examine current clinical issues in ultrasound which cause considerable debate and difficulty.</td>
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<td><strong>This session will:</strong></td>
<td><strong>• Promote and debate the development of a CASE-accredited Ultrasound Training programme which offers stand-alone competency-based ultrasound training for Primary Referral Vets, Sonographers and Veterinary Nurses wishing to develop an interest in small animal ultrasound practice.</strong></td>
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<td>It is intended that delegates will possess a deeper knowledge of the ultrasound and other imaging findings and subsequent management options after attending this session.</td>
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<td><strong>• Cover a range of interesting topics which promote the use of diagnostic ultrasound as necessary adjunct to disease detection, diagnosis and delivery of appropriate patient management.</strong></td>
<td><strong>• Offer a range of interesting case studies endorsing the importance of excellent ultrasound system skills and techniques which will support the Primary Referral Veterinary Clinician, Diagnostic Medical Sonographers and other Veterinary Clinicians wishing to embark on a career pathway which involves the regular use of ultrasound.</strong></td>
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<td><strong>• Continue to promote high standards of clinical ultrasound practice and diagnostic confidence by inviting speakers from all levels of experience from the target audience group as well as Specialist Veterinary Clinicians with a wider knowledge, explaining how ultrasound supports their professional ultrasound practice.</strong></td>
<td><strong>• Discuss the current ultrasound training routes for Veterinary Clinicians and Diagnostic Sonographers.</strong></td>
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**Sonographer of the Year Award**

BMUS are delighted to introduce the Sonographer of the Year Award 2019. To celebrate outstanding contributions made by Sonographers to the field of Medical Ultrasound, BMUS asks for nominations for those who deserve to be recognised for making a difference in their profession. The deadline for nominations is 28th July and submission should be made via the BMUS website. Suitable candidates should:

- Champion quality care and patient safety placing it at the heart of service delivery
- Share and develop visions of excellence in the field of ultrasound
- Support peers and colleagues with positivity, empathy and enthusiasm
- An inspirational member of the team, commitment to Sonography and ultrasound, Continuing Professional Development
- Publications
- Education

The winner will be announced at the Ultrasound Annual Scientific Meeting 2019 Winter Ball being held on 11th December.

**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

The abstract process is anonymous, none of the supporting documents should 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 maybe declined**

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**Reasons for presenting your research at Ultrasound 2019**

- 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 2019 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.
BMUS Awards 2019

We are delighted to call for abstract submissions to be presented as a Poster, Oral or Case Study at Ultrasound 2019. 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 2020 and will be announced in the BMUS Newsletter 2020.

**1st Prize**
£200 plus complimentary BMUS 2020 membership.

**Runner up**
£50 plus complimentary BMUS 2020 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 2019 Scientific Organising Committee on both content and presentation style. The winning Poster Presentations will be announced at the Gala Dinner on Wednesday 11th December.

**1st Prize**
£100 plus complimentary BMUS 2020 membership for each category.

**BMUS Young Investigator Award**

Chosen Oral submissions from presenters under 39 yrs of age on the 11th June 2020, will be invited to take part in this session.

The winning presentation, selected by an esteemed panel of judges, will be awarded the prestigious title of ‘BMUS Young Investigator 2019’. The winner of this award will be announced at the Winter Ball on Wednesday 11th December.

**Prize**
Invited to represent the UK at the EUROSON 2020 Congress in Bergen, Norway with the opportunity to win the ‘European Young Investigator’ title and one of the two possible cash prizes totalling €3000.
Join us to celebrate our BMUS Winter Ball and Awards
The Majestic Hotel, Harrogate

Wednesday 11th December
For the awards evening as well as some great entertainment

Tickets are priced at £39.90
Please register at time of booking your conference delegate place