



# British Medical Ultrasound Society

NEWS

www.bmus.org – Winter 2014

## ASM 2015

Preparations  
already started

## A WORD (OR TWO) FROM THE PRESIDENT



Who's Who

2015 BMUS  
study days

Ready  
steady,  
SNOW!

# Who's Who

2015 sees a number of changes to BMUS Officers and many new faces on BMUS Council. Thank you to those outgoing members, and a warm welcome to new members.



Here is the full line-up. You can contact any of them with feedback and queries via the BMUS Office.

## Officers 2015



**President of BMUS-**  
Dr Carmel Moran,  
Physical Scientist,  
Edinburgh



**President Elect-**  
Dr Simon Freeman,  
Consultant  
Radiologist,  
Plymouth



**Honorary  
Treasurer-**  
Dr Rhodri Evans,  
Consultant  
Radiologist,  
Swansea



**Development  
Officer-**  
Mrs Pam Parker,  
Sonographer,  
Hull



**Honorary  
Secretary-**  
Dr Emma Chung,  
Medical Physicist,  
Leicester

## Council 2015

**President of BMUS-**  
Dr Carmel Moran,  
Physical Scientist,  
Edinburgh

**President Elect-**  
Dr Simon Freeman,  
Consultant Radiologist,  
Plymouth

**Honorary Treasurer-**  
Dr Rhodri Evans,  
Consultant Radiologist,  
Swansea

**Development Officer-**  
Mrs Pam Parker,  
Sonographer, Hull

**Honorary Secretary-**  
Dr Emma Chung,  
Medical Physicist,  
Leicester

**Senior Journal Editor -**  
Dr Kevin Martin,  
Leicester

### Chair, BMUS Scientific & Education Committee-

Dr Nick Dudley,  
Principal Physicist,  
Leicester

Mr Peter Cantin,  
Sonographer, Plymouth

Mr Gerry Johnson,  
Sonographer, Manchester

Mrs Catherine Kirkpatrick,  
Sonographer, Lincoln

Ms Tegjit Lalli,  
Sonographer, Dorchester

Dr Adrian Lim,  
Consultant Radiologist,  
London

Dr Peter Rodgers,  
Consultant Radiologist,  
Leicester

### Manufacturer's Representative (AxREM)-

Mr Geoff Pick,  
BK Medical

## Public Voluntary Register of Sonographers renewal period

All sonographers currently listed on the Public Voluntary Register of Sonographers will be asked to renew within a two month window after March 1st 2015 for a new registration period ending on 28th February 2017. Renewal should be straight forward and can be done on-line. There will be no charge if an SCoR member or registered with the HCPC or NMC.

Renewing your voluntary registration will help to protect the public and support the continuing bid for statutory registration. Current voluntary registration status can be checked on-line at <http://www.sor.org/practice/ultrasound/register-sonographers> via 'Search for your sonographer'

Please contact [NigelT@sor.org](mailto:NigelT@sor.org) if you think your name should be showing and is not.

# A word (or two) from the President

**T**his is the first time I am writing an article for the BMUS Newsletter in my new role as the President of the Society. I am delighted to be president of BMUS, having been involved initially with the Scientific and Education committee and latterly as an Officer of the Society.

Firstly, it gives me immense pleasure to thank our out-going president, Professor Paul Sidhu, who has done a great job in steering the Society through some challenging times over the past two years. I would also like to thank Professor Pete Hoskins, our previous and first Professional Development Officer who is taking up a new role in the Institute of Physics and Engineering in Medicine (IPEM) and Bob Jarman, Stephen Wolstenhulme and Ellen Dyer who have completed their term on BMUS council. All of these people have provided their services and considerable time and expertise to the Society with immense good will and humor over the years while maintaining challenging careers within the NHS and universities. We welcome onto council: Gerry Johnson, Catherine Kirkpatrick, Tegjit Lalli and Adrian Lim and look

forward to working with them over the next two years.

December 2014 saw a fantastic annual scientific meeting in Manchester under the direction of Pam Parker and her committee. The meeting was well attended, the scientific program excellent and the conference venue ideal. The attendance of Denis Law (a Scottish former footballer from 1950s to 1970s for those, like me, who might not have known) at the annual gala dinner at Manchester United stadium was a real highlight.

The annual scientific meeting will be held this year, 2015, in Cardiff, with Dr Nick Dudley as scientific chair. Having seen an early draft of the program and conference venue brochures, I am confident that this will be another outstanding meeting.

On a sadder note, in January, we heard the devastating news that Dr Paul Allan, a consultant radiologist in Edinburgh had passed away very suddenly at home in Edinburgh. Paul was president of BMUS from 1998-2000, gave the prestigious Donald MacVicar Brown lecture at the annual scientific meeting in Harrogate in

2007 and was made an honorary member of BMUS in 2009. He was a great supporter of the use of ultrasound and of the Society. He will be greatly missed. Our condolences go to his wife Helen and two sons. A fuller obituary to Paul will appear in the next newsletter.

On a brighter note, it is not often that ultrasound makes the national ten o'clock evening news. But on 21st January Gail ter Haar's pioneering work at the Institute of Cancer Research, in the use of focused ultrasound for treating cancer, was highlighted in the news and still continues to receive considerable coverage online.

I will sign off now and wish you well for 2015. Over the next two years, I would like to build on the improved financial footing that BMUS now finds itself and to encourage new users of ultrasound from the UK and from Europe to join BMUS and to bring their knowledge and expertise to the Society.

**Carmel Moran**  
President

## 2015 BMUS study days

### April 2015

Head and Neck, Hull :  
27th April

### May 2015

The Musculoskeletal  
Sonographers Special  
Interest Group  
Weekend, Stafford :  
9th - 10th May

Obstetrics Ultrasound,  
York : 15th May

### June 2015

Gynaecology, London :  
TBC

Professional Issues &  
Standards, Manchester :  
17th June

International Paediatric  
Contrast Ultrasound,  
King's College Hospital,  
London : 25th-26th June

### September 2015

BMUS at RCR Annual  
Meeting, London :  
7th - 9th Sept

Paediatric, Leeds  
Radiology Academy :  
25th Sept

### October 2015

Contrast EVAR : TBC  
New technology in  
ultrasound, London

### December 2015

BMUS 2015, City Hall,  
Cardiff :  
9th - 11th Dec

**For further details  
please contact:**

**bookings@bmus.org  
or BMUS on  
020 7636 3714**

**[http://www.bmus.org/  
conference-events/  
ce-studydays.asp](http://www.bmus.org/conference-events/conference-events/ce-studydays.asp)**

# Happy New Year 2015!

This year is shaping up to be a busy year for BMUS. One of our main priorities for 2015 is the design of a new BMUS website to provide a resource for all things ultrasound in the UK. The new site should be easier to navigate, fully mobile device compatible, and will incorporate links with the BMUS journal, as well as exclusive professional development and e-learning materials available only to BMUS members. Hopefully our shiny new website will be up and running by the end of the year.

Over the past year I have been busy co-ordinating various ultrasound media and outreach activities, including working with the BBC to help with a documentary about 'Blood', and encouraging young people to learn more about medical ultrasound through my role as a Science, Technology, Engineering and Mathematics (STEM) Ambassador. This involves giving talks to local school children and hosting A-level students for short ultrasound-based research projects. Unlike sultry undergraduates, school children soon let you know if they are bored or unengaged which has helped to make my talks more fun and interactive. I'm currently planning a Doppler Day at the Great Central Railway in Loughborough to

be held as part of National Science and Engineering week from March 13th-22nd. Local secondary school children will be visiting the railway to learn about Doppler ultrasound and to re-enact Buys-Ballot's original 1845 experimental validation of the Doppler Effect involving horn players and a steam train. If you are an ultrasound enthusiast, and interested in volunteering for outreach activities, or would just like to share learning materials and ideas for demonstrations, please get in touch through the BMUS office as we are happy to help. Similarly, if you are holding an event, please let us know so that we report it in the newsletter.

As one of your new BMUS officers, it's great to see so much enthusiasm and activity within the Society. Ultrasound 2014 at Old Trafford was massively successful and next year's Annual Scientific Meeting in Cardiff promises to be no less of a treat. Cardiff is easy to reach by train, with direct services from Birmingham, London, Manchester, Bristol, Southampton, Edinburgh and Glasgow. Cardiff's City Hall venue provides a charming historic setting right in the city centre. As always, the gala dinner promises to be exceptional, and the training and lecture programme, and



manufacturers' exhibits, all provide a vital opportunity for ultrasound professionals to keep abreast of the latest clinical and technological developments in service delivery. For accompanying family members, Cardiff at Christmas time has plenty to offer. If there is time to spare, I'll be making a beeline to the award winning 'Dr Who Experience', which I notice from their website has video instructions for making a 'pudding brain'; surely this must be a winning recipe for all transcranial sonographers?

**Emma Chung**  
BMUS Honorary Secretary

## Professional Development Officer Report

2015 brings many changes to the membership of BMUS Officers and Council and as such I have now taken on the role of the Professional Development Officer. I take on this role from Professor Peter Hoskins who initially developed the concept and remit of this new officer position during his tenure as a BMUS officer in 2013 & 2014. Peter has moved onto becoming Vice President of IPPEM in which we wish him every success. I would like to take this opportunity to thank Peter for all his hard work for BMUS and for bringing the idea of a Professional Development Officer into reality.

The main professional development officer remit is to develop and provide professional standards for the practice and science of medical ultrasound for the benefit of Society members in all disciplines. There are three sub-groups that the role is responsible for.

These are the

**Web Oversight Group (WOSG)**

**E-learning Editorial Board (EEB)**

**Professional Standards Group (PSG)**

### WOSG

For those of you who use the BMUS website you will be aware that this is much in need of an overhaul, review and update. Funds have been found within the BMUS budget to enable this to occur in 2015. Ellen Dyer is currently leading a team who are working on updating the website and its content with a view to improving its user friendliness and developing the content of the members only pages. The intention is to ensure the members only pages contain information, documents and learning materials which significantly add value to your BMUS membership. This will include guidelines, audit tools, presentations from the ASM and study days and electronic access to the ultrasound and associated journals.

### EEB

The e-learning editorial board is responsible for adding e-learning material and links to relevant e-training to the member's only pages of the website. The first aim of the board will be to place a basic e-learning physics module on the website. This will be essential for practitioners new to ultrasound and for those of us a bit longer in the tooth who require some revision. Look out for adverts for this in due course.

Another fantastic e-learning opportunity for BMUS members, again to be accessed via the member's only pages of the BMUS website, is the educational material available to EFSUMB members. As a BMUS member you are automatically a member of EFSUMB and are able to access the wealth of training and education material on offer. Access to the highly cited European ultrasound journal *Ultraschall in der Medizin* will be provided electronically via this membership benefit.

### PSG

The final group which I am responsible for, and chair, is the Professional Standards Group. This group is compiled of a team of highly motivated and vocal enthusiasts who have been involved in all aspects of ultrasound practice for a number of years. This group has been working hard in 2014 on developing a peer review and audit tool that BMUS can recommend as being fit for purpose. I am very pleased to be able announce that a simple but highly effective, usable and tested audit tool has been developed and is now available for members to use within their own practice. This can be accessed via the member's only page of the BMUS website. The aim of this document is to provide a tool that can be used to review practice within an ultrasound team or for individuals undertaking imaging and providing reports. This tool supports the recommendations laid out in the recent 2014 RCR document "Quality Assurance in Radiology Reporting: Peer Feedback". The process of audit within clinical practice, whilst difficult to establish, is essential and the aim of the tool is to make the process easier and reproducible across services. I hope you will find this audit tool a useful adjunct to up your practice. That said any feedback from users will be gratefully received as we continue to develop and improve the work of professional standard group.

The audit tool was launched at the reporting and audit master class at the BMUS ASM held in Manchester in December 2014. This master class gave delegates the opportunity to critique practice and use the recommended tool to review reports, enabling them to identify discrepancies and learning outcomes. If you were unfortunate enough to miss this session we are organising a professional issues study day on 17th June in Manchester where we will again be using this tool in practice. So if audit is new to you, or you are looking at ways to improve audit and governance in your service this study day will be for you. Details of course

fees, venue and registration will be available on the BMUS website.

In 2015 the group are working with the Society of Radiographers in updating the 2008 UKAS guidelines for professional standards. This will have a new feel to it and the PSG will be looking to develop clinical guidelines, which include referral justification criteria in an aim to help departments and services manage demand. We aim to have a working document available to launch in the professional issues sessions at the BMUS ASM in Cardiff in December 2015

My colleagues and I are working hard to develop the professional aspects of BMUS and we are grateful for your support. Please don't hesitate to contact me, via the BMUS Office or website if you would like to contribute to any of these projects and developments, or if you have any feedback in general. We are looking forward to a fruitful year and hope to see you at the professional issues study day in June and the dedicated professional issues sessions at the ASM in Cardiff

### Pamela Parker, Professional Development Officer

Postscript: On a final note, I would like to take this opportunity to thank everyone involved with the hugely successful 2014 annual scientific meeting. This includes the BMUS office team, the organising committee, the manufacturers and delegates who made the meeting worthwhile. But my biggest thanks should go to Borsha Sarker who kindly volunteered me to chair the 2014 ASM. Without Borsha's support and the hard work that she and Emma Chung put in to re-establishing the BMUS meetings in 2012 and 2013, Manchester would not have been the success it was – thank you!

## Continued Success of the British Medical Ultrasound Society Annual Scientific Meeting



of joining. Membership also gives discounted registration for study days and future ASMs. Visit [www.bmus.org](http://www.bmus.org) for details.

Rydym bellach yn edrych ymlaen at Ultrasound 2015, sydd i'w gynnal yng Nghymru am y tro cyntaf. Y cyfarfod yn redeg o 9ed i 11eg o Ragfyr yn neuadd hardd Dinas Caerdydd. Mae'r adeilad mawreddog yn darparu'r gofod sydd ei angen ar gyfer cyfarfod o'r fath mewn amgylchedd cartrefol a hyblyg. Y lleoliad yng nghanol Caerdydd gyda mynediad hawdd i gysylltiadau trafnidiaeth, gwestai, lleoliadau cymdeithasol a siopa.

**T**he BMUS ASM held at The Point, Emirates, Old Trafford in December 2014 proved to be a great success for the organisers, led by Pamela Parker (Scientific Chair) and Joy Whyte (BMUS General Secretary). Built upon the successful format of the previous BMUS meetings held in Telford (2012) and Gateshead (2013) the meeting in Manchester delivered a fantastic programme with a range of hands on teaching, educational and professional issues sessions and an opportunity to hear clinical perspectives of ultrasound practice.

The meeting was well supported by the major ultrasound manufacturers and a number of smaller associated companies. As well as contributing to a successful exhibition, the manufacturers, as always, made a significant contribution to the educational and social aspects of the meeting. The venue was ideal for such a friendly and educational meeting, lending itself perfectly for delegates and exhibitors to network and relax. The organisers would like to thank all sponsors of the meeting and in particular Toshiba Medical Systems for their support with the marvellous gala dinner held at the Manchester United Stadium. The success of the meeting depends heavily on volunteer students, to whom we would also like to express our sincere thanks.

Feedback from delegates and exhibitors alike has been overwhelmingly positive. For those unable to attend the whole or part of the meeting there will be a range of educational material available on the BMUS website. BMUS membership will be required to access this, but for those people with an active interest in ultrasound BMUS membership is essential. Accessing such a wealth of material from meetings such as the ASM is only one benefit

We now look forward to Ultrasound 2015, to be held in Wales for the first time. The meeting runs from 9th to 11th of December in the beautiful Cardiff City Hall. This majestic building provides the space needed for such a meeting in an intimate and flexible environment. The venue is in the heart of Cardiff with easy access to transport links, hotels, social venues and shopping.

The scientific programme again follows the streamed format of recent years, allowing delegates to attend a day focused on a single specialty or to enjoy the breadth of educational and social opportunities provided by the whole meeting. The Technical Exhibition, an integral and essential part of the meeting, will be held in the venue's spacious Lower hall and we will be delighted to welcome Ultrasound Equipment Suppliers and other exhibitors, whose support is highly valued by BMUS. The flexibility of the venue will facilitate the inclusion of additional sessions, to include debates and allied groups.

The Ultrasound 2015 website will go live in the spring and updates will be available in the BMUS Newsletter and RAD Magazine. Expect a call for papers in May with an abstract deadline in early August.

**Pam Parker, Chair,**  
Scientific and Education  
Committee 2014

**Nick Dudley, Chair,**  
Scientific and Education  
Committee 2015



# Ready steady, SNOW!

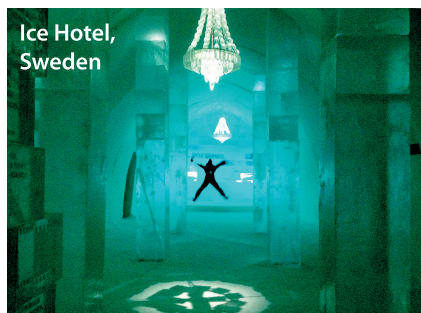
Rachel Meir

Passport – tick, thermals – tick, teabags – tick, ultrasonic snow depth detector.... Ah, I knew I forgot something. Many of my friends opted to hit the sunshine of Barbados or Australia to break up dreary January. So, I thought I would do the opposite and head to the Arctic. Average daily temperature was -35, with a spine tingling wind chill factor of -60 out on the snowmobile.

In between scary frostbite checks, my mind, of course, wandered to ultrasound... One of my fellow explorers broke his wrist trying to do fancy things in the snow. He came back from the (not very) local hospital, having had an ultrasound among other things. It got me thinking about ultrasound out in the field. And lo and behold, ultrasound is used up in these chilly climes, to measure snow depth in extreme conditions. The sensor pictured measures the time the sound pulse it expels takes to return to the sensor. The time is then adjusted for the speed of sound in air based on temperature measurement, and the timing is converted to a distance via an internal algorithm. It operates in temperatures going down to -40 degrees C, so would have functioned better than I did in this weather.

Given that I failed to pack my snow depth detector, my expert unscientific eye told me snow depth was quite deep.

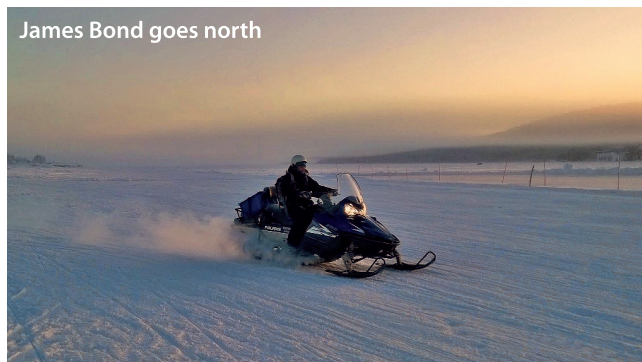
Felix Technology  
SL300 snow  
depth sensor



Ice Hotel,  
Sweden



Flirting with  
frostbite



James Bond goes north

## DO WE HAVE YOUR CORRECT EMAIL ADDRESS ?



With another hike in postage rates due in March, BMUS are keen to keep our postage costs as low as possible.

Our preferred method of contacting members is by e-mail, but sadly there is a significant number of members where we do not have an e-mail address or it is incorrect.

Can you please take a few minutes to log-on to the members area and check your contact details and, where necessary, update or add an e-mail address? If you have forgotten your membership number or password please contact the office and we will be pleased to help you.

Tel : 020 7636 3714 or

E-mail : [heather@bmus.org](mailto:heather@bmus.org)



### EDUCATION CONSULTANT

International Society of Ultrasound in Obstetrics and Gynecology  
(2-3 days per week, salary commensurate with experience)

Would you like to help shape and influence international education in women's imaging?

ISUOG is looking for an Education Consultant to achieve our goal of offering a comprehensive education programme by 2017. You will evaluate existing and build new education opportunities for professionals specialising in ultrasound for obstetrics and gynecology.

You will have experience in a clinical ultrasound setting and in educating practitioners. You should demonstrate knowledge of the CME / CPD process, as well as an interest in innovative multimedia approaches to learning. We are seeking a self-motivated professional with excellent communication skills to work with us for one year initially, to embed the function into the organisation.

For the full job description and to apply visit our website [www.isuog.org/AboutUs/Job+Vacancies](http://www.isuog.org/AboutUs/Job+Vacancies). Alternatively, for an informal discussion about the role, contact Sarah Johnson (CEO) via [jobs@isuog.org](mailto:jobs@isuog.org) or on +44 (0)20 7471 9955.

Application deadline: Midnight on Sunday 1 March 2015  
Applicants should be available for first interview on  
Wednesday 4 March 2015

# ULTRASOUND 2014 Prize winners

Thank you to everybody who submitted a paper and poster. You helped make ULTRASOUND 2014 a great event.

Here are the prize winners –

## PAPER PRIZES

For the best oral presentations at Ultrasound 2014

### Winner

**Contrast Enhanced Ultrasound (CEUS) versus Computed Tomography (CT) in the follow-up of abdominal trauma in a pediatric and young adult,** AM Deganello, E Konstantatou, O Romanos, ME Sellars, PS Sidhu, King's College Hospital, London

### Runner-up

**A low budget Doppler test device,** DE Rowland, St George's Hospital, London

## POSTER PRIZES

For the best poster presentations at Ultrasound 2014

### Winner

**Quality Assurance testing of Transoesophageal Echocardiography Probes,** C McLeod, D Welsh, S Inglis, SD Pye, Royal Infirmary, Edinburgh

### Runner up

**Extracranial internal carotid artery (ICA) stenosis in children with sickle cell disease – which transducer and what measurement?** CR Deane, King's College Hospital, London

### Highly commended

**Implementing a Hospice based Ultrasound Service – the first year's experience,** J Eastman, Saint Francis Hospice, Havering-Atte-Bower

**Ultrasound assessment of the fetal thyroid: a systematic technique,** E Gardiner, Glasgow Caledonian University

**MSK ultrasound training: the InHealth approach,** S Afzal<sup>1</sup>, F Kinsey<sup>2</sup>, L Rushton<sup>1</sup>  
<sup>1</sup>InHealthgroup.com, <sup>2</sup>University Cumbria

**Case Report: Renal Cell Carcinoma – The non-surgical approach to management,** CM Watts, PC Parker, Hull & East Yorkshire NHS Trust

**Testicular adrenal rest tumours in Congenital adrenal hyperplasia,** R Naveen, D Hewitson, Leeds Teaching Hospital NHS Trust

## YOUNG INVESTIGATOR AWARD

For the best abstract submitted by an author 35 years old or younger. The best presentation from this session is given the opportunity to present their work at the 2015 Euroson Meeting on behalf of BMUS.

**Multi-parametric Ultrasonography of Testicular Hematomas: Features on Grey Scale, Color Doppler, Contrast Enhanced Sonography and Real-Time Tissue Elastography,** G Yusuf, E Konstantatou, ME Sellars, DY Huang, PS Sidhu, King's College Hospital, London

## POSTGRADUATE JOURNAL PRIZE

For the best article published in Ultrasound in 2014 by a postgraduate student

### 1st prize

**The incidence and morphological features of pyramidal lobe on thyroid ultrasound,** C Mortensen, H Lockyer, E Loveday, Southmead Hospital, Bristol

### 2nd prize

**A systematic review with meta-analysis: the common sonographic characteristics of adenomyosis,** K Dartmouth (now Barton), Queen Alexandra Hospital, Portsmouth

### 3rd prize

**Solitary fibrous tumour of the cheek – An unusual presentation of a rare soft tissue tumour,** CJ Greenall, JL Jones, AV Jones, NA Drage, S Bhatia, MD Hourihan, Cardiff and Vale University Health Board, Cardiff

