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BMUS



2008
Liverpool

Contact us

British Medical
Ultrasound Society

36 Portland Place,
London W1B 1LS

Tel: 020 7636 3714
Fax: 020 7323 2175

www.bmus.org

Honorary Secretary's Report – Paul Sidhu

Many of you will have noticed that you no longer receive the BMUS newsletter as an insert in the BMUS journal, *Ultrasound*. The newsletter now appears solely as an on-line facility, for several reasons, not least, this allows more timely dissipation of any important news to members and editing of the content can take place right up to the last minute. Hopefully, members will find this service more useful than a slightly out of date newsletter. If you would like to comment on this change, please contact the BMUS Office.

The programme for the 2008 Annual Scientific Meeting in Liverpool has been finalised, but with a slightly different format. Registration is now open on-line. Those of you who have looked at the conference website, will have noticed that there is more emphasis on the workshops, with a slight reduction in the number of didactic lectures offered. This will allow the manufacturers to demonstrate their machines to greater effect, and hopefully attract a wider audience, particularly those not normally participants in our Scientific Meeting. Nevertheless, the lecture programme is exciting with again something for all, and hopefully we will see a lot of you in Liverpool.

This year, to celebrate the 50th anniversary of the publication of the now famous paper in the *Lancet*, the Donald McVicar and Brown lecture will be introduced by Tom Brown and John McVicar. The lecture will be given by Dr Jacques Souquet, who will give us a glimpse into the future of ultrasound. A series of integrated training days will be offered, ranging from basic ultrasound, to regional anaesthesia and sports medicine.

The veterinary section has taken on the practical demonstrations that were instituted last year with a vengeance. This year, there will be two practical sessions, one of which will be outside the conference centre, where larger animals will be examined. Bravo to the vets! The Liverpool venue is now fully functional and has held a number of conferences successfully. Hotels in and around the area are plentiful, but you are advised to book early as these are filling fast as other

events take place in Liverpool at the same time as our ASM. An early bird registration scheme has been introduced, to encourage members to register early and benefit from a fee reduction and you are advised to take



advantage of this. In addition, a discount will be offered to any presenters of proffered papers and posters.

Next year the Annual Scientific Meeting will take place in Edinburgh, and this will be conducted in conjunction with Euroson 2009. The meeting will take place in early December, and will be a Sunday to Tuesday meeting. After much negotiation with the Edinburgh International Conference Centre, we have secured full access to the conference facilities at an affordable rate.

Some of the Officers of BMUS recently attended the Euroson 2008 Meeting in Timisoara, Romania. Both Grant Baxter and Kevin Martin presented Edinburgh to the audience, and there appeared to be a lot of interest among the delegates. Hopefully we can make Edinburgh a European success.

Euroson 2008 in Timisoara was a successful meeting, well attended by delegates from all over Europe, despite the relative remoteness of the venue. The Romanian hosts were outstanding, with hospitality we could never expect to match. The scientific content of the meeting was also of a very high standard, with many teaching sessions filled to capacity. Unfortunately both the President and Honorary Secretary of the British Medical Ultrasound Society failed to secure the arrival of their luggage in Timisoara and had to sample the delights of the local

Hon Sec report continued...

clothes shops! The President, demonstrating negotiating skills beyond his years, secured a dapper outfit for less than €15.

Three successful BMUS study days have been undertaken this year. The musculoskeletal day ever popular was over subscribed, and this may well be repeated in September. For all those delegates disappointed, watch this space as an announcement as to the time and venue of this repeat day will be given soon. A contrast ultrasound day was also organised and was a success. A slight deviation from the normal study days was organised by Dr Colin Deane, targeting nephrology specialist registrars. This is following an approach by the Society of Nephrology, with the intent of exposing nephrologists in training to core basic ultrasound techniques. This study day was well attended and well received by the delegates. The intention of the course was to encourage safe usage of ultrasound in the day to day practice of nephrologists, e.g. insertion of central lines, guiding renal biopsies and assessing patency of dialysis fistulas. Hopefully the Society can build on this success.

The BMUS historical collection again proves to be a challenging area. Currently the Society is paying over £5000 per year to store the collection in Glasgow. This rent is due for renewal in October and plans are in hand to reduce the collection so as not to incur this continuing high cost. The most important items are on display in the Hunarian Museum. However, the collection includes many other items of lesser historical interest, which are held in a rented storage unit.

Although a painful decision, the Society cannot continue to support storage of articles that will never be on display and give little benefit to members. Despite the efforts of notably Tom Brown in trying to persuade the Glasgow Museums to take over the collection, we have been unsuccessful. Members will be informed via the website and newsletter when items are disposed of.

Work on the website continues under Janette Keit with a major overhaul due in the next few months. The overall appearance of the website will be altered to make it more appealing to members, and also to members of the public. Information now contained on the website is often difficult to retrieve, and hopefully the new format will make this less of a chore.

Finally, despite the introduction of increased fees this year, I am happy to report membership remains robust, and approval of new members continues apace. It is still early, but it appears that the financial crisis that the Society was facing has eased slightly, but we will know more towards the end of the financial year. There are currently no plans for a further increase in subscriptions this year but we can never rule out further increases in the years to come.

Following the most recent Council Meeting, a general review of the Constitution is ongoing and a number of amendments to the constitution will be tabled at this year's Annual General Meeting. These amendments mostly involve updating terminology. Members will receive notice in due course prior to the meeting.

Finally, I hope to see as many of you as possible in Liverpool.

Dr Paul Sidhu

Scientific Collection 03

Diagnostic performance of contrast-enhanced ultrasound in abdominal imaging

From:
 Quaia E, Calliada F, Bertolotto M, et al. Radiology 2004; 232 (2): 420-30
 Nicolau C, Vilana R, Catalá V, et al. Am J Roentgenol 2006; 186 (1): 158-67
 Leen E, Ceccotti P, Kalogeropoulou C, et al. Am J Roentgenol 2006; 186 (6): 1551-9
 Dietrich CF, Kratzer W, Strobel D, et al. World J Gastroenterol 2006; 12 (11): 1699-705
 Catala V, Nicolau C, Vilana R, et al. Eur Radiol 2007; 17 (4): 1066-73. Epub 2006 Oct 27

If you would like to contribute to the BMUS Newsletter, please contact the BMUS Office

Bracco UK releases Scientific Collection 3:

'Diagnostic performance of contrast-enhanced ultrasound in abdominal imaging'

Accurate detection and characterization of liver lesions with acoustic properties similar to those of liver parenchyma has always been a significant limitation of conventional greyscale imaging.

The latest scientific collection from Bracco puts the spotlight on contrast enhanced ultrasound.

.....

The article covers the clinical value and diagnostic accuracy of CEUS in the characterization of focal liver lesions. It includes the methods and results of five trials including the studies by Dietrich et al. and Catala et al. comparing the diagnostic performance of CEUS vs Spiral CT in the characterization of liver lesions.

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For a copy of this article please contact ukenquiries@bracco.com



Euroson 2008: 31st May – 3rd June, Timisoara, Romania - Kevin Martin



If you had to summarise the Euroson 2008 Scientific Programme in one word, it would have to be “packed”. A full day of 5 parallel workshops on subjects such as breast and MSK ultrasound, was followed by two and a half conference days. The two full conference days ran from 8 am to 6 pm with 6 parallel sessions, lunchtime symposia and a commercial exhibition.

The same word could be used to describe attendance at the meeting, with over 500 delegates for the workshop day and over 1100 for the main conference, with the first conference day on the Sunday being particularly busy. The scientific programme gave comprehensive coverage of all the major areas of clinical application, although there was relatively little on obstetrics and gynaecology.

The use of contrast agents featured strongly in the programme, with several dedicated sessions as well as regular appearances in the other clinical sessions. Elastography also earned its own session and featured elsewhere in the programme, particularly for breast applications.

It was interesting to note that about a third of the sessions were filled entirely with preferred papers, many of which were from Romania, showing that ultrasound is very much alive and well here. It was also very rewarding to see that many of the delegates stayed to the bitter end to attend the awards and closing ceremony.

In all, Euroson 2008 was a highly successful meeting, both scientifically and socially, and sets the bar at a very high level for BMUS next year, when we host Euroson 2009 in Edinburgh.

BMUS team getting into the Scottish swing of things to promote EUROSON 09, Edinburgh →



BMUS Study days 2008

In recent months, BMUS has hosted a series of extremely successful study days in London. We would like to express our gratitude to all speakers, organisers and sponsors for each event.

The **Nephrology** day at King's College Hospital in June was a new event, and will certainly be repeated next year. Thanks to GE, Zonare and SonoSite for supporting this day. A more detailed report of this day will be posted on the BMUS website, along with some speaker slides.

The **Contrast** ultrasound study day in Chandos House, was generously sponsored by Bracco. The day attracted a very international crowd, including delegates from Nigeria, The Netherlands and Jaipur, as well as from throughout the UK.

The **MSK** day, held last week, was phenomenally popular, and was in fact fully booked more than 4 weeks before the day. In order to cater for demand we will re-run this in October. The format of short snappy lectures followed by extensive periods of hands-on scanning appealed greatly to those that took part. We would like to thank Philips, GE and Siemens for their support. Both this day and the planned re-run will be neatly followed on by the intermediate/advanced MSK day in Norwich on 21st November.

Many thanks to our Sponsors:





British Medical Ultrasound Society 40th Annual Scientific Meeting Liverpool 9th – 11th December 2008

Chosen as the European Capital of Culture for 2008, the Liverpool of today is emerging as a major centre of culture, entertainment, sport and enterprise. The University of Liverpool is one of the UK's leading universities, and its Faculty of Medicine and School of Health Sciences are renowned for their teaching and research excellence, making it particularly appropriate for Liverpool to host BMUS 2008.

The venue for the BMUS meeting will be the brand new Arena and Convention Centre, the most recent addition to Liverpool's iconic waterfront. After the meeting, the BBC will move in to use the Arena as the venue for "Sports Personality of the Year".

BMUS 2008 will retain a strong scientific programme, but will have more emphasis on hands-on workshops and integrated training sessions, which will combine small group seminars with practical training. This format is designed to meet the needs of the wider community of ultrasound practitioners, as well as our core membership.

The AXrEM member companies (formerly the Ultrasound Manufacturer's & Suppliers Association), are actively and financially supporting the BMUS ASM in Liverpool. They are not exhibiting as before, instead, they will be heavily involved in supporting and developing our workshops and integrated training sessions.

A particularly warm welcome is extended to the small commercial exhibition from the ultrasound industry who have given BMUS consistent support and commitment.

ONLINE REGISTRATION OPEN NOW: VISIT WWW.BMUS.ORG/2008ASM FOR FURTHER INFORMATION

There will be four full-day Integrated Training days:

- Basic Ultrasound Training
- Regional Anaesthesia
- Sports Medicine
- Veterinary (Equine & Small Animals)

Hands-on Workshops in 2008 are enhanced to include:

- 3D & 4D Imaging
- Breast
- Fetal Medicine
- Vascular
- MSK
- Gynaecology (basic & advanced)
- Head & Neck
- Small Parts

Join BMUS in Liverpool for BMUS 2008. You may be surprised, amazed and inspired!



ACC Liverpool– venue for BMUS 2008



The World Leader and Specialist
in Hand-Carried Ultrasound

Hand-carried ultrasound
provides rapid
diagnosis for
trauma patients

Bob Jarman, Consultant in Emergency Medicine at the Queen Elizabeth Hospital in Gateshead, has a special interest in using ultrasound for trauma and relies on a SonoSite MicroMaxx® hand-carried ultrasound system to immediately perform a FAST scan on patients and to aid in a variety of critical procedures, such as identifying a haemothorax, screening for abdominal aortic aneurysms and focussed echocardiography.

"We see a lot of very sick patients and ultrasound imaging is vital for providing a quick diagnosis at an early stage," Dr Jarman explained.

"For example, detecting abdominal bleeding in trauma patients is almost impossible without either surgically opening the patient or sending them for a CT scan. With the MicroMaxx system, we can perform a FAST scan on the patient immediately at the bedside to check for free fluids."

The robust and lightweight hand-carried MicroMaxx system boots up in a matter of seconds, and its proprietary SonoMB™ technology provides high resolution imaging of a variety of tissue types, including small abdominal structures. "The compact size of the MicroMaxx is also very important," Dr Jarman added, "because there are often several people working on the patient simultaneously and we don't have much space for equipment around the patient's bed."

For more about SonoSite products, please contact:
Alexander House, 40A Wilbury Way, Hitchin SG4 0AP
T +44 (0)1462 444 800, F +44 (0)1462 444 801
europa@sonosite.com www.sonosite.com



Bob Jarman using SonoSite MicroMaxx® hand-carried ultrasound system

Forthcoming BMUS Study days

MSK – Basic REPEAT DAY

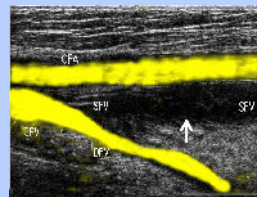
MI Centre, London, 6th October 2008

This repeat course provides a comprehensive introduction to MSK ultrasound imaging with a series of short lectures, supplemented by small group hands-on technical teaching at the ultrasound machine. It is aimed at those new to MSK ultrasound including sonographers, radiologists, rheumatologists, orthopaedic surgeons and physiotherapists.



DVT Day

MI Centre, London, 17th October 2008



A repeat day based on our Successful programme held in 2005 Further Information will be available on the BMUS website in due course.

MSK – Intermediate/Advanced Day

Norwich Radiology Academy
21st November 2008

This is a follow on from the basic course held in London in June.



Gynaecology Day

RCOG, London, February 2009



Further information on all current and forthcoming study days can be found on the BMUS website www.bmus.org or contact Rachel Meir on Rachel@bmus.org

Answers to the Safety Crossword published in the February 2008 Newsletter

ACROSS

- 2 The TI for antenatal work, after the eighth week of gestation - **BONE**
- 6 Be very careful when scanning this part of the body - **HEAD**
- 8 'The – Book', published by BMUS & the BIR - **GREEN**
- 9 The index for bioeffects not caused by temperature rises - **MI**
- 10 Effect, caused by absorption of ultrasound in tissue - **HEATING**
- 11 When scanning with this type of transducer, check its surface temperature - **TOE**
- 12 & 21 **down** Don't ever go any higher than this temperature rise! – **FOUR DEGREES**
- 14 Using this principle, you'll keep the ultrasound exposure right down - **ALARA**
- 15 '- tissue', the TI for early pregnancy assessment, up to the eighth week - **SOFT**
- 17 See **12 down**
- 20 Keep a close eye on TI when scanning with this mode - **PW**
- 22 Be very careful with **9 across** when scanning this young person - **NEONATE**
- 24 Don't use Doppler on this at all – **EMBRYO**
- 25 The TI for scanning the brain, if it's out of the womb! - **CRANIAL**
- 26 'The – indices', i.e. three TI's & **9 across** - **SAFETY**
- 27 Don't do a scan on one of these just to produce a keepsake - **FETUS**

DOWN

- 1 To be avoided at all costs, little bubbles in tissue - **CAVITATION**
- 3 The most sensitive organ in the grown-up - **EYE**
- 4 & 23 **down** Bubbles injected into the bloodstream, they make **1 down** more likely – **CONTRAST AGENTS**
- 5 When using **14 across**, you minimise this - **TIME**
- 7 In fact, you keep **5 down** as – you reasonably can! - **SHORT**
- 12 & 17 **across** Don't ever expose tissue to **12 across** any longer than this! – **FIVE MINUTES**
- 13 Make sure this is turned right down, if you can - **OUTPUT**
- 16 Keep a close eye on **9 across** if you're scanning near this air-filled organ - **LUNG**
- 18 '- index', very roughly, the highest possible temperature rise - **THERMAL**
- 19 In antenatal work, be careful when scanning this part of the back - **SPINE**
- 21 See **12 across**
- 23 See **4 down**