



President's Column

Julie Walton

And it's goodbye from me.....

Happy New Year to all our members. This is my last column as BMUS President and I find it difficult to believe that it is 2 years since I took over from Kevin Martin at the Liverpool ASM in 2008. Time does fly when you are having fun as they say. It has been a very busy period but I have thoroughly enjoyed every minute.



President's hand-over- Liverpool 2008 Julie Walton, Kevin Martin

The observant amongst will have noticed that you did not get a BMUS News with your last ultrasound journal. We have held on until now so that we could report on both the Brighton ASM and our recent Donald centenary event in December, which was also the venue for our 2010 AGM. But more of that later....

Since my last column we all ventured to the south coast to the fabulous cosmopolitan city of Brighton and Hove for our 43rd annual scientific meeting. This was the first time BMUS had been to the south coast in some time and it also was the first time we held the ASM in September as opposed to our traditional pre-Christmas slot. Nevertheless, the meeting attracted a large number of delegates and I must express my sincere thanks in particular to Dr Tom Marshall, who was the scientific chair for this event. Tom led our scientific organising committee and I am sure that those of you who attended will agree that the programme was outstanding. We would like to express our many thanks to Tom and the team.

contd overleaf

A CELEBRATION OF
ULTRASOUND
13-15 DECEMBER 2010

In December BMUS and the British Institute of Radiology collaborated to host a very successful three day event to commemorate the centenary of the birth of Professor Ian Donald, described by many as "the father of British Ultrasound."

The paper published by Ian Donald, John MacVicar and Tom Brown in The Lancet in 1958- 'Investigation of Abdominal Masses by Pulsed Ultrasound,' acted as a convenient marker for the birth of modern medical ultrasound. From here we tracked the extraordinary subsequent advances in medical, diagnostic and industrial ultrasound throughout the decades.

Tom Brown launched the celebration on day one, by taking delegates back to when he was 'little more than a lad' and first met Professor Donald in 1956.

The day also featured speakers talking about the use of ultrasound in more unusual places such as Antarctica, the zoo and the battlefield.



Peter Marquis, Manager of the British Antarctic Medical Survey Unit sets the scene

Day two was a fully booked obstetrics day, which featured a host of expert speakers, including Professor Kypros Nicolaidis and Professor Andrew Shennan.

Day three was a schools day, with seventy nine year olds, keen and eager to learn

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President's column contd.

We were fortunate to hear from many ultrasound experts and on behalf of BMUS I would like to thank everyone for their excellent contributions. Thanks also to our stage management team under the leadership of my colleague, Kathy Ford. These events are very complicated to stage and Kathy has this down to a fine art!

We were thrilled to honour two BMUS members by making them Honorary members of BMUS in recognition of their significant contribution to BMUS.



We offer our sincere congratulations to Professor Gail ter Haar and Dr Paul Allan on this achievement and thank them for their significant input into BMUS in many ways over a long period.

Thanks also to those who exhibited and sponsored the event. Large events such as this require significant external investment and we are always hugely appreciative of those companies who continue to support BMUS in these difficult financial times.



The 2011 meeting will return to Brighton in October, and the programme is well under way thanks to the expert leadership of Dr Peter Hoskins, this year's scientific chair. Please look out for early bird adverts and take advantage of our early bird registration scheme.

Way back at the start of my tenure as President I expressed an aim to improve collaborative links with other ultrasound related bodies. I feel we have moved forward in this respect having forged stronger links with the Royal College of Obstetricians and Gynaecologists, the Royal College of Radiologists, the Society and College of Radiographers, the Society for Vascular Technology and the British Institute of Radiology.

We have now regular meetings, and you will have seen that we have had some positive outputs including joint statements with SCOR.

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BMUS says goodbye to DRJ, CEO

It is with some sadness that I have to announce that our CEO, Mr David Roberts-Jones, is leaving BMUS in the first quarter of 2011, for personal reasons.



David joined BMUS in autumn 2009 and came highly acclaimed with an excellent CV, in city banking of late. This post was a new venture for BMUS as it was far more strategic than our previous position of general secretary.

I speak on behalf of BMUS officers and council in saying that David has been a tremendous asset to BMUS and has accomplished so much in his short time with us in terms of strategic direction of the society. He took to the post at a very busy time and was immersed in a 'baptism of fire' as we approached Euroson 2009 where he worked as lead for our support team in directing the conference. For those who attended, you will be aware that this was a tremendous success.

Then he spent the pre 2010 conference working on strategic and financial management of the society and his accomplishments are too numerous to mention. But of particular note - he has strengthened our industrial links through AXrEM and other US related companies, worked on improved collaboration with other ultrasound professional bodies/organisations/Government and has hugely improved the financial standing of BMUS.

In December 2010, he worked with our team on the hugely successful commemoration of the centenary of Ian Donald's birth.

David has been a real pleasure to work with. He is a hugely charismatic man of whom we are all very fond. At the recent council meeting where his departure was announced Council expressed their admiration for him personally as well as acknowledging his immense contribution to the Society. We all acknowledge his immense input to BMUS, and DRJ (as fondly known in the office) leaves BMUS safe in the knowledge that we are all in a stronger position and we all wish him every success for the future.

New AXrEM Chair

AXrEM, the UK trade association representing the interests of suppliers of diagnostic medical imaging, radiotherapy and care equipment in the UK, welcomes a new Chair for the Ultrasound division.

Geoff Pick, MD of BK Medical, takes over the two year tenure from Stephen Brookes in January 2011.



President's column contd

We are now working with RCOG on the new requirements for Specialist Trainee ultrasound training in Obstetrics and Gynaecology. I still feel that it is important to work collaboratively where appropriate – we can perhaps collectively make a 'louder noise' and have more impact using this approach.

In December 2010, it was particularly rewarding to work with the BIR on our first large scale collaborative venture. December 27th 2010, was the 100th anniversary of the birth of Ian Donald, the acclaimed Professor from Glasgow, who we all know as one of the pioneers in ultrasound in the UK.



More words and photos of this event can be seen in this BMUS News, but I would personally like to thank the BMUS and BIR staff for executing the event so successfully. This was a 3 day venture and day 1 saw a series of short lectures each paying tribute to Professor Donald. Thanks to all who participated/attended to commemorate this milestone, it was really quite a moving event.

We were thrilled that one of Ian's daughters, Caro collected some anecdotes about their father from her siblings and allowed us to share in some very personal memories.

Day 2 was an excellent obstetric study day. Thanks to Darryl Maxwell and Carmel Moran for putting together a fantastic programme with so many excellent speakers. We do appreciate people supporting our educational ventures by presenting, particularly during these very pressing times in the NHS.

Day 3 was an interesting venture and is described educationally as an 'outreach' activity, as we provided an interactive series of events for local school children. Young children, phantoms made with jelly... potentially a recipe for a large mess!! I But, the children did themselves proud and were impeccably behaved and we hope they found it good fun. We also had a mini- exhibition and thanks again to all who supported this.



We were fortunate to have the original bed table scanner brought to London. Whilst we called this the Donald centenary event, it also allowed us to pay tribute to the team of 3 – Donald, MacVicar and Brown who worked together in those early pioneering days and who built and used the bed table scanner.

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Celebration of ultrasound event contd.

about ultrasound. Many thanks to Dr Kevin Martin (BMUS Past President,) Philip Rose (Scitech,) Mairead Butler (University of Edinburgh) and Philips for providing inspiring creative phantoms, machines, expertise and a sense of humour in entertaining this wonderful group of inquisitive thought provoking kids.

The event featured an exhibition in the library, where the Bed Table Scanner sat alongside cutting edge ultrasound technology such as the GE Vscan, and posters of haggis and bats demonstrating different areas of ultrasound use. Thanks go out to John Fleming who put a great deal of time and effort into sending material for the historical section of the exhibition.

Exhibiting companies included CAE, ISUOG, Philips, Zonare, About Health Professionals and GE. Special thanks also go out to MIUS who helped us out with the dog scanning at the eleventh hour.

Here is a selection of images from the event-

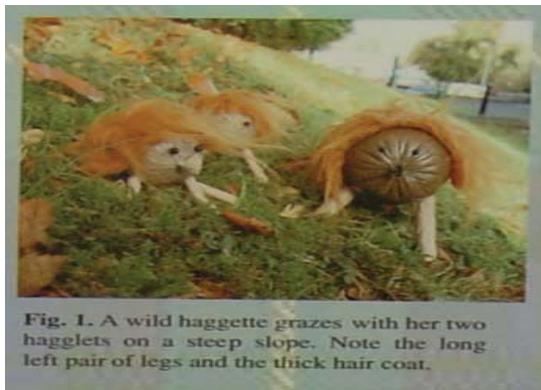


Fig. 1. A wild haggette grazes with her two hagglets on a steep slope. Note the long left pair of legs and the thick hair coat.

Thanks to Prof Jack Boyd for lending us the forever comical poster- Applications of ultrasound in reproductive management of dux magnus gentis venteris saginati (haggis) It has been a winner for kids and adults alike since 2001

School children in the library at 36 Portland Place practising phantom scanning under the watchful eye of Dr Kevin Martin, Philip Rose of Scitech and Philips



Tom Brown with his original bed table scanner



L-R Dr Stephen Davies (BIR President,) Julie Walton (outgoing BMUS President,) Dr Colin Deane (incoming BMUS President)

President's column contd

John MacVicar is not in good health currently and was not able to attend. We have sent our good wishes to his family. But we were very honoured to have Tom Brown as a guest of honour and speaker. Tom is a dear friend of mine, and someone of whom I am very fond. He will not mind me saying that he is 'no spring chicken' (Tom's words!). Consequently, the trip from Scotland to London, in the very bad weather, was not an easy one for Tom, but his true Scottish determination shone through and he spent 3 days with us and spoke about his time with 'Donald'.



Tom kindly allowed me to photograph the inner workings of this early scanner – simply amazing.

I did say to Tom that he must be immensely proud of their achievements when he sees how ultrasound has developed and the impact it has had on many peoples' lives. As a student Sonographer I was well aware of the early work of this team and I feel very privileged that through BMUS I have had the opportunity to work with Tom and look forward to continuing our renowned social nights out as well as sharing our scientific interests. Tom has been a tremendous support to me personally during my Presidency, and I cannot thank him enough.

Euroson delegate bags find a loving home

Barbara Dowell of Hitachi was determined that surplus delegate bags we had following the EUROSON conference BMUS ran in Edinburgh in 2009, would go to a good home.

Under her guidance, and working with the charity Lovelight Romania, 210 bags were donated and filled with school equipment for each of the children that attend the school in the village, Igisu-Nou near Medias, Transylvania. The bags were waiting on each desk on the first day of term.

Lovelight Romania has also been able to support lots of other children with bags and equipment and there are enough bags to repeat the project again next year.



Lovelight Romania bring relief and improve the lives of children and young people living in need in the area of Transylvania, with a target group of those infected with HIV, suffering AIDS and those whose lives are affected by the virus.

The association works in an area covering Sibiu and

This celebratory event was also the host for the BMUS 2010 annual general meeting. There were some constitutional changes which were approved and these are dealt with by our BMUS Honorary Secretary – Dr Roger Moshy later. As always, this is the time of year when there is the BMUS cabinet reshuffle. It was formally announced that the Officers of the Society from the 1st Jan 2011 will be:

- President – Dr Colin Deane
- Past President – Julie Walton
- President Elect – Dr Paul Sidhu
- Honorary Treasurer – Dr Roger Moshy
- Honorary Secretary – Dr Carmel Moran

Carmel is new to Officers and we welcome her wholeheartedly and look forward to harnessing her expertise and enthusiasm over the next few years. I wish her every success in this new role.



Dr Kevin Martin leaves BMUS as his tenure as Past President has now ended. Kevin describes it as the 'dropping off his perch.' Kevin has worked tirelessly for BMUS over many years and has accomplished a great deal in his various roles in the society. Kevin is also now retired from his work post and so on behalf of BMUS, thank you Kevin for everything and we all wish you a very happy, healthy and enjoyable retirement. I am sure you will keep us informed of your travels and sailing escapades. Have fun!

There were also some appointments to Council – Dr David Horton and Mr Bill Smith. I hope that new members of Council find their new role fulfilling and we look forward to meeting them at their council meeting of the new year. Dr Kumar Ramnarine leaves Council and sincere thanks on behalf of BMUS for his hard work during his period of office.

Huge thanks also to Dr Emma Chung, who hands over the BMUS journal Editorship to Hazel Edwards in 2011. Dr Tom Fitzgerald steps down as deputy-Editor, with Dr Jacinta Browne and Dr Diane Defriend as new Deputy Editors.

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Tirgu-Mures. As well as providing services for HIV they have programs which support families living below the poverty line.

Their Poor Families Support Program provides intensive and individual support to children to ensure they attend school so that in the future they will have the life opportunities that their parents have not had.

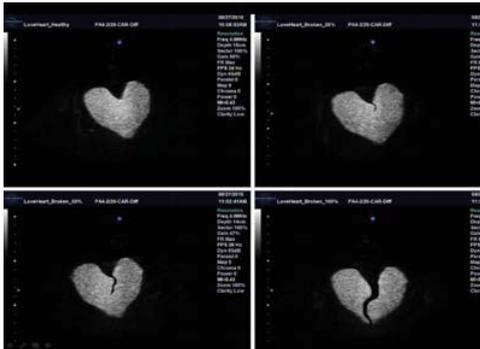


Children from the Back to School project with the Euroson bags

BMUS Prize Winners

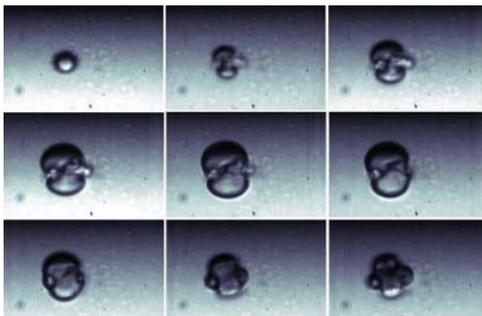
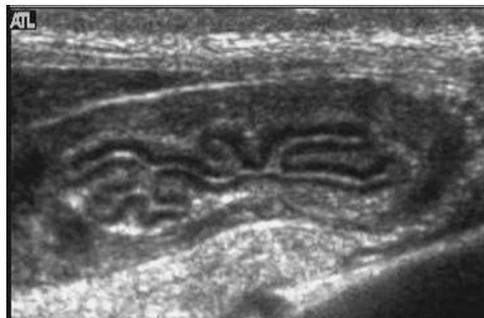
Ultrasound Image Competition

We are pleased to announce the 4 winners of the BMUS 'Ultrasound' Image competition sponsored by MIUS. Each of the winners receives a cash prize and a years free membership of the Society. Their images will appear on the front of the BMUS journal 'Ultrasound' during 2011.



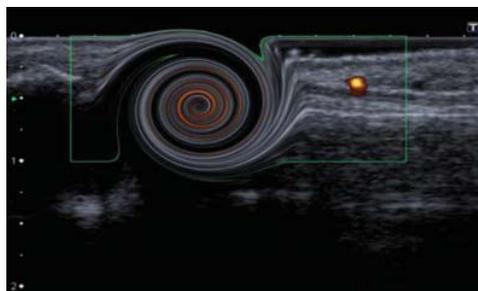
'Broken heart syndrome' by Alex Perperidis, PhD student, University of Edinburgh

'Duodenal ant farm' by Karen Letourneau, Canada



'Exploding microbubble' by David Thomas, University of Edinburgh

Manipulated images of **'Musculoskeletal ultrasound'** by Camelia Dobrica, MSc student, Fife Rheumatic Diseases Unit



Request for short-term course teachers of ultrasound abroad

The BMUS office has been approached by a member requesting us to arrange a training course for them – the only difference is that the course will be in Ghana!

In order to streamline an easy solution to this sort of request in the future, the office is prepared to maintain a register of "interested experts" and to put the parties in touch with each other. The only proviso for inclusion on the list is that the organiser of the course should be a BMUS member and any such course should be accredited for CPD by the BMUS Professional standards committee.

Clearly, any such teaching arrangement will be a bilateral matter for the organiser and host/sponsor together and **BMUS cannot accept any responsibility for matters thus arranged.**

Nevertheless, if you wish to be included, please e-mail the Chief Executive with an expression of interest at drj@bmus.org BMUS can then act completely impartially as a clearing house with the requesting member making the final choice on who they wish to contract with.

Just for illustration of this, the request from Ghana is for "free" teaching of introductory and advanced levels of abdo, MSK and head and neck for a week and in return they will pay for flights, visa and accommodation. Over to you!!

Young Investigator's Award WFUMB 2011

Congratulations to Dr Preena Patel, who won the BMUS paper prize at Brighton 2010.

Her paper- Parathyroid carcinoma: us imaging features that allow differentiation from large parathyroid adenomas to allow accurate surgical management, Patel N, Talat N, Schulte KM, Mulholland NJ, Sidhu PS, Kings College Hospital, London

Dr Patel will go onto represent BMUS in the Young Investigator's session at the European and World Federation Congress in Vienna, Austria, August 2011.

There is a prize of €1,000 at stake, so we wish you the best of luck, Preena!



Kirkham Young enjoyed exhibiting for the first time at BMUS in Brighton this September. Wanting to raise awareness of alternative careers available to well qualified and experienced radiographers and sonographers, such as clinical applications specialist or sales executive, this leading healthcare sales recruitment agency ran a very popular prize draw over two days.

Director Tina Young commented 'the new i-pod shuffles proved very popular amongst the sonographers we met and many were interested in discussing career options with us in more depth. The exhibition also gave us a chance to meet up with many of our longstanding clients who were very appreciative of the extra effort Kirkham Young had put in to find them additional high calibre candidates'.

For more details, contact Sam Kirkham on 01424 777745



President's column from pg 4 I now move into the position of Past President, which means I become the BMUS representative to European Federation of Societies for Ultrasound in Medicine and Biology.

Also, during this last year we have set up two new sub- committees in BMUS – Professional Development & Standards and National Point of Care Ultrasound. These are led by Sue Halson-Brown and Bob Jarman. As with all BMUS sub-committees, there has to be an officer representative. I have been persuaded to take this on for these two new groups and I look forward to working closely with Sue and Bob over the next two years.

I said at the start of my Presidency that any Society is about the team and not the figure head. I have been hugely fortunate to have had tremendous support from Officers and Council. I cannot thank them enough for their personal support to me, but also for their hard work in moving BMUS forward over the past two years.

The Society is also dependent on the quality of its support staff based in the BMUS office. Over my time with BMUS I have worked with Elaine Brown, Alice Hepworth, Rachel Meir, David Roberts-Jones and Ann Tailor. Massive applause to the BMUS office staff, words alone cannot express how grateful I am for your support to me and your commitment to the Society.

I have also worked closely with Stephen Brookes who was Chair of AXrEM during this time, and I have valued his opinion and excellent negotiating skills. Stephen and I both hope that we leave our posts with strong links between BMUS and industry.

I first went to BMUS as a student Sonographer in 1986 when I won the North West Medical Ultrasound Club 'draw' to attend the conference (I was very young at the time!!!) Little did I know that BMUS would become such a big part of my life. I have served in various roles in the Society for around 12 years. This is a massive commitment for anyone who has a full time job and I have to say a mega thank you to my employers at the University of Liverpool for their constant support, encouragement and time out from work. Particular thanks must go to my Head of School, Eileen Thornton. She has been a staunch supporter of my BMUS ventures, as well as my mentor.

And of course much love and thanks to my 'Liverpool girl Fridays' in the University. These are Joan Scott and Teri Harding our administrators, and Kathy Ford, our clinical tutor. You have no idea how much these 3 people have contributed to BMUS over the years and I hugely acknowledge their support.

My children, George and Abby, have also grown up with BMUS and went to their first conference with me in Torquay when they were 6 months and 2 years old

respectively. They have attended several BMUS events and have never complained ever when their 'Mum' disappears for days on end or is away at the crack of dawn to get to London for 9 o' clock start. They have been very patient and very supportive and I am immensely proud of them both. I look forward to spending more time with them.

Those of you that know me will also know of my obsession for animals. Currently, we have 14 animals: 5 dogs, 2 cats, rabbit, and loads rescued guinea pigs and that doesn't include the ducks. They are almost a full time job, so I will be well occupied looking after my little 'zoo.' Here is my latest puppy, Luca, a rare white Chihuahua. He is certainly a spirited dog in a little body!!



Little Luca and larger Benson



I will always support BMUS and encourage all members to continue to support this wonderful organisation and to promote science, research training and ongoing developments in ultrasound. Without the membership, BMUS would simply not exist.

I have nothing else to say now except that it is my privilege to introduce to you the new BMUS President – Dr Colin Deane. I wish Colin every success for his period of office and leave BMUS in his very capable leadership.



Best wishes

Your experiences of the Care Quality Commission (CQC)

We would value members notifying BMUS of their experiences of the regulation of ultrasound practice by the CQC.

BMUS is taking an increasing number of enquiries. One particular area which has been highlighted to BMUS is whether there is adequate scrutiny of ultrasound practitioners through this process, given that there is still no protection of the title – Sonographer.

Please email your views to intern@bmus.org



A belated Christmas tale and a rewarding experience for MIUS and University of Liverpool Ultrasound team to help a chimp at Chester Zoo

In August 2010, I took a call from one of the vets at Chester zoo.

He recounted the clinical history and biochemistry of 'Kate', a 39 year old chimp, who had all the features of obstructive jaundice if she were human! We discussed the case and decided that given their closeness to humans – the best thing to do would be to scan Kate. This

sounds easy, particularly given how many humans we scan with these features and who turn out

to have obstructive disease, but in a chimp - the logistics involved many days of planning. We all see TV images of people carrying cuddly chimps, but they are extremely dangerous animals and any intervention is not taken lightly, not least as it can affect their group dynamics.

Chimps live in large social groups, are highly intelligent animals and are capable of carrying out sophisticated hunting strategies that require teamwork and role identification. Chester Zoo is home to one of the world's largest and most successful groups of Zoo Chimpanzees, which has a social structure very similar to a community of wild chimps and the Zoo's Chimpanzees are part of a European managed breeding programme. This was a very special and precious animal.

So I agreed to give it a go and we set it all up for September 2010. Firstly we needed a good ultrasound system which would scan a 70 kg chimp – call in Mount International Ultrasound. The company were fantastic and committed not only to providing a system but also the technical expertise of Fraser Yule who had expertise in scanning other large animals. With animal welfare in mind we

pitched up at the zoo on a sunny September morning. Catching a chimp who is one of a group of some 40 is no mean feat, but the keepers had it off to a fine art. Soon Kate

was isolated and anaesthetised (that makes it sound so easy, but it was some hours) and our scanning team (me, Fraser and one of our ultrasound students - Bryn Sargent) donned our greens,



Julie Walton and Fraser Yule of MIUS setting up the system in the chimp's kitchen!

best green Chester Zoo Cheshire wellies and masks and joined the team of vets, nurses and keepers in one of the inside crates to scan.

Time was of the essence as it was not desirable to keep Kate anaesthetised any longer than required. Her abdomen was shaved and let scanning commence! Immediately you could see a hugely dilated gallbladder with some small calculi, no wall thickening. There was significant intra-hepatic bile duct dilatation predominantly right lobe liver. The common duct appeared hugely dilated – some 16mm and there was evidence of distal duct dilatation. We couldn't determine the exact nature as the 'mass' was highly echogenic. At that point we could discern no more using ultrasound and the decision was made to wake Kate. We retreated and let nature take its course and she recovered reasonably. A prompt MDT meeting soon after the scan left a dilemma – with a human the next stage would be easy – MRI, ERCP etc., but not so easy for a chimp. Dangerous animal, logistics of transport to a bigger animal hospital would be difficult to say the least. Days of agonising resulted

and eventually 2 surgeons (1 human, 1 animal) agreed to operate on Kate and they performed a laparotomy. This went well and after the procedure the vet text me to say - 'just removed huge black stone from distal bile duct in

Kate, measuring 7cm x 3.5 cm'. And yes, he really did mean centimetres! I did text him back to say, surely you mean millimetres? You can see the photo above.



They also did a cholecystectomy. Kate has recovered well with very few problems post operatively, a bit of itching around her wound site. I went in to see her the weekend after her operation and she wasn't best pleased to see me or anyone except the keepers as she was busy having her Sunday breakfast of eggs and kiwi and Robinsons fruit juice!

My sincere thanks to MIUS, Fraser and Bryn for their help and to the staff of the zoo who had faith in the diagnosis and to the surgeons who were all keen as we were to preserve this precious animal's life. And for those who don't know me – I really do have a primate keeper's certificate and have looked after Kate and her group, including moody Boris (aka old alpha male, below) before as a keeper, which made this all the more special and rewarding for me.

So it is probably going to be back to cutting fruit and vegetables for them for me, and for those who have never met Boris – duck when you walk past him..... he is awesome at throwing!!!



Julie Walton

Boris born 1966

e-format and saving money

In order to cut costs and keep the membership fee as low as possible, particularly in these difficult times, the BMUS office has taken the decision to cut down on postage costs where by possible by using e-mail and e-documents.

Thus the members annual report will be added to the website for any member to read and similarly, we will be sending future copies of this newsletter to members by e-mail (please make sure we are not wrongly marked as "junk"!)

If you wish to update your e-mail address or just provide us with your home e-address as being more convenient, please send an e-mail to intern@bmus.org and we will update your account accordingly.

**European Journal of Ultrasound
Issue No. 1**

As BMUS members will know, all members of BMUS are *de facto* members of EFSUMB the European Federation of Societies for Ultrasound in Medicine and Biology. EFSUMB is about to publish the first edition of it European Journal of Ultrasound and we have arranged for this and future editions to be sent to all members of BMUS. It should be with you by the end of January.

EFSUMB



Sonographers on Coronation Street

In an ongoing story-line, Coronation Street will feature several sonographers. A researcher from the program has contacted the BMUS office to ask if we, or any of our members, knows of a Sonographer called Stephanie Ray. Please email rachel@bmus.org if you know a Sonographer with this name.



**Theory into practice wins success for
Radiography graduate**

A University of Portsmouth radiography graduate has seen the subject of his dissertation on improving the quality of care for cancer patients put into practice and win national recognition.

Conor Fitzpatrick, who graduated in 2009, is part of a team of radiographers in the South who have won the Society of Radiographers Radiography Team of the Year award for its services to patients suffering spinal cord compression as a result of malignant tumours. Metastatic Spinal Cord Compression is a condition affecting a small percentage of cancer patients but if left untreated or diagnosed too late the results can be devastating, leading to paralysis.

Conor had researched the topic whilst writing his dissertation for his degree in Therapeutic Radiography and went on to join the Malignant Spinal Cord Compression team at Musgrove Park Hospital in Somerset, the newest radiography centre in the UK.

He said that when it was announced that the team would be undertaking an audit on care for this section of patients, he jumped at the chance to become involved. He said: "We implemented a system which helps to ensure early symptom recognition as well as efficient diagnosis and treatment. We've improved patient awareness of the symptoms through the introduction of a smart card, strengthened the process for patient referral following diagnosis and implemented a fast-track scheme for treatment.

"The research that I had previously done into this area has enabled us to understand the shortfalls in the care for these patients and has allowed us to focus on the specific areas for improvement in the care pathway."

Radiography is one of the main therapies in the treatment of cancer with around 50 per cent of patients benefitting from therapy.

Team of the Year is a relatively new award by the Society of Radiographers in recognition of service development and clinical improvement Conor said: "It is an honour to be involved with this team and to be recognised with an award that will allow us to highlight our work on a national scale. There is a lot of work still to be done, but it is an exciting process."



BMUS- Ultrasound Education for Healthcare Professionals

Hazel Edwards, Consultant Sonographer & Arne Juette, Specialist Registrar, Norwich Radiology Academy



Running an ultrasound course?

If you are organising a new or well established ultrasound course, apply for BMUS accreditation for Short Courses and Continuing Professional Development (CPD) events.

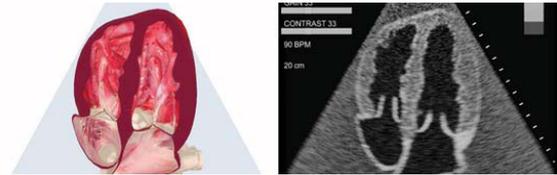
The remit of the BMUS Professional Development & Standards Committee is to ensure the standards of ultrasound education being provided by the Courses presented to BMUS for accreditation and to provide people accessing these courses with confidence in the course provider.

Contact Rachel Meir rachel@bmus.org or 020 7636 3714 for further information.



Echocardiography simulator

Using real-time dynamic imaging and a custom-designed mannequin, the CAE VIMEDIX echocardiography simulator provides healthcare professionals an unparalleled training environment for the thoracic cavity and basic to complex cardiac pathologies. Learners can perform a realistic echo assessment of cardiac structures, practice hand-eye coordination and probe handling, and improve pathology recognition skills. The 3D animated heart can be independently cut and rotated, rib and lung artefacts can be toggled on/off. Images can be adjusted with EKG tracing, gain and contrast settings, depth of field, as well as calliper and area measurements. The operator performs a simulated echo in a detailed ultrasound imaging setting with rib acoustic shadowing, lung artefacts, reverberations and other realistic imaging features.



A revolution in echo training

- Practice in realistic environment with a variety of pathologies
- Versatile mannequin supporting TTE and TEE with palpable ribs/sternum, depressible abdomen and upper digestive tract
- Not just a heart – display of all surrounding structures: liver, ribs and sternum, superior and inferior vena cava, aorta, lungs, and vertebral bodies
- The CAE VIMEDIX echo simulator is perfect for lectures and hands-on sessions in seminars
- An embedded tutorial allows to learn the cardiac anatomy at your own pace
- Self-learning features for standard 2D views: practice matching up real-time image to reference images using beam cut animation in augmented reality

Why imaging in the ICU?

Ultrasonography has become an invaluable tool in the management of critically ill patients. The hand-carried ultrasound (HCU) has tremendous potential to immediately provide diagnostic information at the bedside not assessable by a physical examination alone. Provided that physicians performing point-of-care examinations with the HCU have adequate training, the HCU has the potential to create a tremendous advantage for bedside assessment and treatment of ICU patients.

To learn more about what our team can do for you, contact us today:
 CAE Healthcare UK and Ireland office: +44 (0)1869 819886 email: andya@cae.com
www.cae.com/healthcare

DH004



Request for old but useable equipment

We have been approached by a Dr Abazov of Chenya with the following request. We are unable to offer any recommendation as to the veracity of the e-mail and will leave it to the good sense of BMUS members to decide.

“We are facing serious problems offering adequate medical treatment because of lack of necessary equipment. Please could you help us?

Have you got any medical equipment grants? Especially we need diagnostic medical ultrasound system. We will also welcome any equipment that is no longer used and still serviceable and possibly right now gathering dust in someone’s storage rooms. Sincerely, Khamzat Abazov”. The e-mail address given for contact is: istok-hospital@yandex.ru

Ultrasound in the News- Novel Robotic Ultrasound System Has Interesting Functions



Long-distance ultrasound exams may not be a far-fetched dream, especially with the recent robotic ultrasound system which is able to perform remote operations with the help of specialists.

ESA is testing the device, which is held against the patient. The ultrasound expert can then move the probe as if present in the examination room, rather than thousands of kilometres away. They control the device in real time using a joystick, based on ultrasound imagery relayed back.

"The guiding principle behind telemedicine is that it is more convenient - and often much less costly - to move knowledge around than people," said Arnaud Runge, a biomedical engineer overseeing the Advanced Robotised Tele-echography Integrated Service (ARTIS) project for ESA.

"Remote access can be vital for astronaut medical emergencies, and the system was originally developed for Earth-based space mission simulations, such as the remote Concordia base in Antarctica.



"But ARTIS can also benefit a very broad community of

TV Probe Cleaning Survey

BMUS has been approached by member, Dr Petra Williams, asking if any members would join her in a brief survey on understanding varying practice regarding TV probe cleaning across the country. The link for the survey is at Survey Monkey and is shown below:

<http://www.surveymonkey.com/s/S67VZ5R>

terrestrial users, improving access to healthcare for people in underserved or isolated areas."

ARTIS lets the remote operator move the robotic probe-holder through yaw, pitch and roll as well as instruct the holder to modify the ultrasound probe's pressure on the patient's body.

The system includes an integrated video-conferencing option with remote-controllable webcam so the expert can watch the device being applied.

This end-to-end tele-ultrasound service has undergone a series of field trials by healthcare professionals in a variety of configurations, including the use of satellite communications.

Read more: [Novel Robotic Ultrasound System Has Interesting Functions](http://www.medindia.net/news/Novel-Robotic-Ultrasound-System-Has-Interesting-Functions-77875-1.htm#ixzz1AqfglxY2) <http://www.medindia.net/news/Novel-Robotic-Ultrasound-System-Has-Interesting-Functions-77875-1.htm#ixzz1AqfglxY2>

Constitutional changes to the BMUS Articles of Association

The BMUS AGM was held on Monday 13th December 2010, at 36 Portland Place.

Eight constitutional changes were proposed and subsequently passed. Full details of these will be made available in the Members Only section of the website.

Ultrasound in the news- Losing fat the ultrasonic way

Non-invasive ultrasonic removal (NUFR)

Due to a huge increase in news reporting in this field, we are receiving a growing number of enquiries about the use of ultrasound in fat removal. Some have already tried the procedure; others want to know if we have a stance on it, while others are looking into setting up a (regulated) practice where it is available.



What do BMUS members think of the use of ultrasound technology for such procedures?

The following is taken from Wikipedia, although there are numerous other sites and sources of information on this area-

Even though NUFR is not approved for use in the United States yet, it is extremely popular in 47 other countries, including Canada, Mexico, Britain, and many others. One system used in Canada, Mexico and Britain is called UltraShape. UltraShape is "non-invasive fat reduction and body contouring using 'non-thermal' selective focused ultrasound technology."

A London plastic surgeon, Chris Inglefield, performed a clinical study using UltraShape on 118 patients in 2005. Results showed that 93% of the patients claimed to have "excellent" results. Also, Mexico has conducted a clinical study using the same system; however, the product in the study was called SonoSculpt.



The study included 30 people and all of the results were effective in removing fat. Developments are currently being made to improve the way the body metabolizes the emulsified fat cells. Home products such as the Evita Slimsonic, have emerged as an alternative fat reduction for home use.

How do BMUS members view such developments?

Email any comments and feed-back to rachel@bmus.org

Snap shots from Brighton 2010



AXrEM Chair, Stephen Brookes presents Prof Gianluca Pilu, Università di Bologna the Peter Twining Memorial Lecture

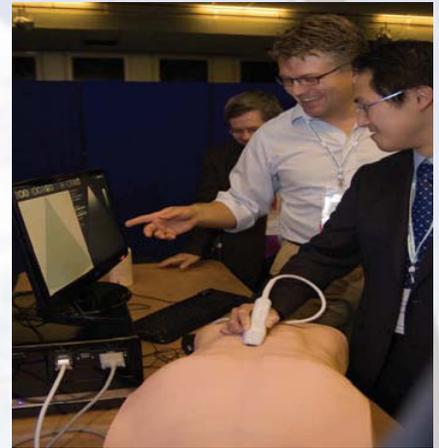


Happy 60th birthday Aloka!



Dr Kevin Martin, BMUS Past President presents Jane Bates, St James' University Hospital, Leeds with the DMB medal

Delegates testing out CAE Healthcare's VIMEDIX Echo simulator



Tinkering with the GE Vscan



Trying to beat the buzzer on the giant sized 'Operation Game' to win a digital camera, courtesy of HCL Healthcare



Hitachi's lunch-time seminar drew a full crowd



Wendy Wetherfield showing a delegate Toshiba's wares

Gift Aid!!!!

This is polite reminder for those members who have not yet filled out the Gift Aid attachment (it is available from the office or the website and also as a supplement to the membership form) to do so and return it to the BMUS office as soon as possible. It costs NOTHING for you to do this but BMUS can get around 20% of your membership subscription back from Her Majesty's Revenue and Customs! Rules are as before...ie: you must be an UK taxpayer and not already claiming back your subscription as a professional expense.

Please help BMUS keep its membership fees as low as possible!

giftaid it

Image Bank – a new development for BMUS

The BMUS office has been informed that there are times when those of you who teach would just like to get your hands on an appropriately anonymised, consented image (both static or video) of a specific condition but don't have one to hand or that from time-to-time, those of you who scan might want to refresh your memory on a particular pathology and how it might look. BMUS Council discussed the above points and decided in December to set up a **new image resource for BMUS members only.**

As part of BMUS education programme, we think that having an archive of such images would be useful. Users will be able to rely on the fact that the images are good quality, anonymous and consented where appropriate and perhaps equally importantly in these straitened time, the use of such images will be free to members. Images placed in the archive will be watermarked with the BMUS logo and all we would ask is that members who wish to use such images in any papers or teaching materials refer to BMUS by name-checking us with something like "from the BMUS Ultrasound image collection.... etc"

PLEASE HELP!!! To get the archive going, we would invite BMUS members to act co-operatively and donate suitable images which are of really excellent quality to the archive. Whilst this resource will not be formed overnight we do consider that it could be a most valuable teaching and learning resource. Please send any appropriately anonymised images/videos you think would be useful for members and colleagues to use to rachel@bmus.org together with a short e-mail saying what is great about your image and that you are donating it to BMUS to start this image collection.

As a postscript to the above, it may be of interest for members to be reminded that BMUS owns a collection of historical images as part of our historical archive and that from time to time interested parties request commercial use of such rare and unusual images over which BMUS retains the copyright and all intellectual and other commercial rights. A small fee is charged for use and this helps to defray the costs of keeping the archive in place.

Dates for your diary

2011

Feb 4

Obstetric ultrasound, Bristol

Feb 15

Copy deadline for the next newsletter
email any submissions to rachel@bmus.org

March 24

From grave to cradle– life-cycle of an ultrasound scanner, Dublin

April 7

Physics & technology of diagnostic medical ultrasound, Edinburgh

April 8

Life Connections conference– pre-hospital care ultrasound, Kettering

May 26 & 27

Trans-vaginal scanning, Gateshead

Oct 15-17

BMUS Annual Scientific Meeting & Exhibition, Brighton.

Preliminary program will be published soon.



For more listings and information go to
<http://www.bmus.org/conference-events/ce-studydays.asp>

Win 2 nights in a Grange hotel



London's leading independent hotel group, Grange hotels, are offering 2 free nights for 2 people at any Grange hotel.



To enter send an email to intern@bmus.org marked Grange Hotel competition. A winner will be picked at random on February 14th.