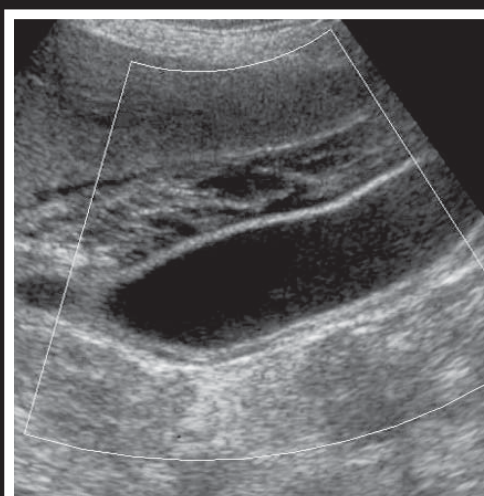




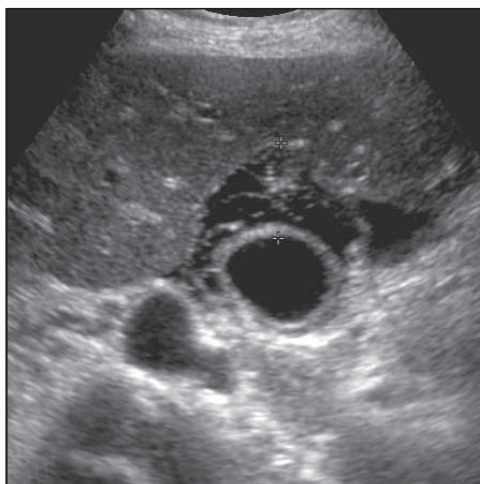
ECHOES

WORLD FEDERATION FOR ULTRASOUND IN MEDICINE AND BIOLOGY



WFUMB ULTRASONOGRAPHY RESEARCH
INTERNATIONAL ULTRASOUND **EFUMB**
ULTRASONICS SCIENCE MEDICAL
ABDOMEN INTERNAL MEDICINE
ASIA OBSTETRICS SCANNING
ULTRASONOGRAPHER **AFSUMB** PROCESS
COMMITTEE EXHIBITION **EDUCATION**
FEDERATION SAFETY SCHOOL SPONSOR
WHO COLLABORATION GYNECOLOGY
PUBLICATION EUROPE ULTRASONOLOGIST
AIUM BEAM **HISTORY** PHYSICS FINANCE
SURGERY COMMUNICATION REAL-TIME
OPHTHALMOLOGY **CONFERENCE** AMERICA
SYMPOSIUM **CONGRESS** CENTER OF
EXCELLENCE TISSUE CONSTITUTION
ADVISORY BOARD **STANDARD** DYNAMIC
CHARACTERIZATION **UMB** POLICY **ECHOES**
TECHNOLOGY **AFFILIATION** REPORT

TEACHING PROMOTION **TRAINING**
INFORMATION **FLAUS** RECOMMENDATION
DOPPLER LATIN AMERICA B-MODE
BREAST PHYSICS 3-DIMENSIONAL
GRAY SCALE AUSTRALASIA RADIOLOGY
JOURNAL SPECIALTY BIOLOGY **THERMAL**
CARDIOLOGY PROGRAMS **LECTURER**
MECHANICAL **ORGANIZATION** BIOLOGICAL
EFFECT **ASUM** ACOUSTICS **CONTRAST**
AGENT IMAGING SPONSORSHIP
BIOEFFECT DEVELOPMENT ADVISORY ON-
LINE SCREENING **SOCIETY** SCIENTIST
MASU AFRICA ACADEMIC REVIEW
APPLICATION CLINICAL **WORKSHOP**
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Note from the Editor



Dear WFUMB members and other readers of ECHOES:

The WFUMB activities are steadily increasing.

The present number of ECHOES includes reports from representatives of the WFUMB Affiliated Organizations, and it is interesting to read about the many activities within medical ultrasound taking place throughout the world. It is especially interesting to see an increasing teaching and training activity in Ultrasonography through an increasing number of courses, workshops, link programs and congresses.

The present number also includes some statements on WFUMB conclusion and recommendations on thermal effects, and the WFUMB policy on Safety of Diagnostic Ultrasound, topics of great interest in theoretical as well as practical ultrasonography in humans.

On behalf of WFUMB, the Public Relations Committee which is responsible for ECHOES, would like to express its gratitude to the reporters of the present number of the ECHOES for their willingness to work for and inform about activities of their organizations, hard work which is on a completely volunteer basis.

Some of the aims of the WFUMB are to encourage research, promote international cooperation and to disseminate scientific information. WFUMB is proud and happy to see the large number of enthusiastic and skilled colleagues and other members of WFUMB doing a great work in research, teaching, international collaboration and publication in the field of medical ultrasound.

WFUMB is looking forward to a continuous progression in the use of ultrasound in medicine and biology.

Søren Hancke

Photos on front page are courtesy of ASUM.

Message from the President



Dear WFUMB Members:

The officers of WFUMB have been working hard to promote ultrasound in all parts of the world. Special attention has been given to the less advanced nations where help is very appreciated and improvement is readily observable. The WFUMB Centers of Excellence project under the direction of Past President, Hiroki Watanabe has been very successful. One center has been established in Dhaka, Bangladesh and one in Kampala Uganda. A number of other educational projects are presently under way. These are coordinated by the WFUMB Education Committee under the very able Chairmanship of Dr. Elisabetta Buscarini.

Our last Administrative Council Meeting was held in June immediately following EUROSON 2004, the annual meeting of the European Federation of Societies for Ultrasound in Medicine and Biology (EFSUMB). The EUROSON 2004 meeting, held in Zagreb, was very well attended. The organizers are to be congratulated for having put together an excellent program. Holding the WFUMB Administrative meeting in conjunction with a major ultrasound meeting allows WFUMB Officers to more efficiently participate in the meeting. Next year we are planning to hold our Administrative Council Meeting in conjunction with the Latin-American Federation of Societies for Ultrasound in Medicine and Biology (FLAUS) annual meeting, which is scheduled to be held in Chile. Everyone is invited and encouraged to attend the FLAUS meeting.

At the WFUMB Administrative Council meeting in Zagreb, reports were received from the Officers, Committee Chairs, and the representatives from each of the Affiliated Member Organizations. The Treasurer, Beryl Benacerraf, reported that the treasury is healthy and secure. Because of a conservative investment policy, our funds were not diminished in spite of a recent downturn in the United States financial market. The Secretary, Stan Barnett, brought to our attention the large volume of documents that have accumulated over the past 28 years since WFUMB was established. After much discussion and consideration of a number of options, it was decided that all documents of any value would be scanned and converted onto electronic storage media. In this way, we will have ready access to all documents of historic value, and

we will not have to ship a rather massive amount of paper to a different location in the world each time a new Secretary is elected.

Our Journal, Ultrasound in Medicine and Biology, continues to score high on the Impact Factor scale for journals in acoustics. Much of this success is due to Peter N. T. Wells, the Editor-in Chief. Unfortunately, Dr. Wells will be retiring at the end of 2006. In order to achieve a smooth transition we are now actively engaged in a search for a new Editor-in-Chief. We have several candidates and will make our choice well before Dr. Wells retires.

We are striving to keep our web site up to date. The address is www.wfumb.org. I find that I frequently refer to it for addresses and contact information, as well as much information about WFUMB. It should be noted that all issues of ECHOES can be found on our web site. For those of you who do not get your own personal copy of ECHOES mailed to you, you can download a copy from the web site.

The next tri-annual meeting of WFUMB will be in May, 2006 in Seoul, Korea. The organizing committee under the Chairmanship of Byung Ihn Choi is very busy preparing to make this meeting the best ever. Be sure to hold the date on your calendar, and plan to attend. I am sure that it will be a great and rewarding experience.

Please don't hesitate to contact me or any of the WFUMB Officers if there is anything that you would like us to consider. We greatly welcome and appreciate your comments and suggestions. We want WFUMB to be the very best organization it can be.

Marvin C. Ziskin, M.D.
WFUMB President

■ Reports from WFUMB Affiliated Organizations

■ EFSUMB



To begin, this is an honour for me to be the President of a prospering Federation such as the European Federation EFSUMB. Only a few highlights of the many activities may be covered in this short report.

Member Societies

At the European Congress in Zagreb, in June 2004, the Latvian Society was accepted within EFSUMB. Therefore, the total number of member societies increased to 26, comprising more than 17,500 individual members. The Macedonian Society has put forward a formal request for joining the Federation and some other national societies, mainly from the former Yugoslavian Republic, are in the process of searching a closer interaction with EFSUMB. Relationship and communication with all the member societies is excellent and/or continuously improving.

EUROSON Congress

A very successful EUROSON Congress 2004 was held in Zagreb. Professor Ivan Drinkovic, President of the Croatian Society and Croatian Delegate at the EFSUMB Board of Directors, organised this Congress and together with his team an outstanding program has been created. He has been especially successful in recruiting delegates from countries of the former Eastern European block. The next Congress, EUROSON 2005 in Geneva, will be held in conjunction with the Dreiländertreffen, the annual meeting of the three societies from Switzerland, Germany and Austria. In addition, the French society decided to join the organisation, since the Congress will be held in Geneva, a cross-point next to the French border in French speaking part of Switzerland. Sadly, we have to inform you, that Professor F. Terrier has died at the age of 52 on August 10th, 2004. Dr. J.-Y. Meuwly has taken over the Chairmanship of the Congress. The organisation is very well advanced and we are looking forward to meet all of you in Geneva. Remember the date: September 25-28, 2005. EUROSON 2005 in Geneva will be a decisive meeting, not only from a scientific and educational point of view, but also for the Federation. The 3-year-cycle of the Executive Bureau and of the

different Committees will end in September 2005 and the General Assembly will appoint new members of the Executive Bureau and the Committees.

Journal

A Scientific merger was reached. Beginning with the first issue of this year the well established Journal "Ultraschall in der Medizin" and "The European Journal of Ultrasound" were joined. Up to now the Journal was reaching more than 12,000 readers and we believe that this number will increase due to the co-operation with EFSUMB. The Danish and Norwegian Societies have already agreed to a bulk subscription for their members, and along with some individual subscribers more than a thousand additional readers rejoice in receiving six issues per year. Negotiations with THIEME Publishers resulted in an extremely low subscription rate of EUR 29, for bulk subscription by national societies or EUR 35 for individual subscription (EFSUMB members only).

A Newsletter is implemented in the Journal. A yearly Newsletter is going out to all the members.

Contrast Agent Guidelines

EFSUMB initiated an expert meeting on the use of contrast agent in liver disease. Guidelines were written and published in our Journal (Ultraschall in Med 2004; 25:249-256). This initiative has shown the importance of EFSUMB being the catalyst for co-ordinating exchange of information between experts and industry.

Kurt Jäger, EFSUMB President

■ AFSUMB



AFSUMB has a membership of more than 15,000 physicians, registered through 12 national societies. AFSUMB holds congress every 3 year. The 7th Congress of the AFSUMB was held in Utsunomiya, Japan on May 17-21, 2004 in conjunction with the 77th Annual Meeting of the Japanese Society of Ultrasound in Medicine (JSUM). The local organizing committee under the Congress Chairman, Koichi Itoh, professor of Jichi Medical School, organized

an outstanding program, both from a scientific and social point of view. The Highness Akishinomia and his wife, a member of Royal Family, attended and gave an opening remarks at the official opening ceremony. More than 50 invited speakers, most from the AFSUMB membership countries in addition to other parts of the world, gave state-of-the art lectures on ultrasound in medicine and biologies. Dr. Marvin Ziskin, president of WFUMB, was also invited as a special lecturer. More than 40 symposiums and workshops were organized, and nearly 700 free papers and posters were presented. More than 6,000 people attended this congress and it ended with a great success.

Following the AFSUMB council meeting for the term 2001-2004 and general assembly, the first AFSUMB council meeting for the term 2004-2007 was held with new council members during this congress. New council members of AFSUMB are as follows:

- **President;** Bhn Ihn Choi, MD (Korea)
- **President-elect;**
Cheng-Wen Chiang, MD (Taiwan)
- **Vice-president;** Shoichi Senda, MD (Japan)
- **Secretary;** Masatoshi Kudo, MD (Japan)
- **Treasurer;** Seung Hyup Kim (Korea)
- **Immediate Past President;**
Kittipong Vairojanavong (Thailand)
- **Administrative councillors;**
representatives from 5 countries
- **Co-opted councillors;**
representatives from 6 countries

Ultrasound workshop sponsored by AFSUMB was held in Karachi, Pakistan, on January 17-19, 2004. This workshop was organized by AFSUMB Education Committee (Chairman Dr. Y.H. Chou) and local organizer, Dr. Musarrat Hasan. Nearly 220 participants from all parts of the country attended. The faculty consisted of members of the AFSUMB Education Committee, Dr. Y.H. Chou, Dr. C.V. Vanjani, Dr. M. Setiawan, Dr. K. Bala, Dr. M. Kudo, and Dr. K. Vairojanavong. Lectures, demonstrations and hands-on sessions were given. Several ultrasound machines were used for the hands-on training. All participants received a textbook containing articles, short notes and abstracts. A certificate was given to all participants during the closing ceremony. The evaluation indicated a high



level of appreciation from all the participants.

The WFUMB Asian Education Project, in collaboration with the Philippine Society of Ultrasound in Clinical Medicine Inc. (PSUCMI) (Local Organizer; Dr. Corazon Yabes-Almirante, President of PSUCMI), organized a successful WFUMB "Training the Trainees Ultrasound Workshop", an advanced ultrasound course in Manila, Philippine, on January 21-23, 2004 in conjunction with the Annual Congress of PSUCMI. The faculty including Dr. BI Choi (AFSUMB-Korea), Dr. M Kudo (AFSUMB-Japan), Dr. H Watanabe (AFSUMB-Japan), Dr. L Fernandez (FLAUS-Venezuela), and Dr. G McNally (ASUM-Australia) gave outstanding lectures and hands-on demonstration. Participants were limited to 30 because this is an advanced ultrasound course for "trainers". The evaluation from the attendants was high rate.

The next WFUMB Asian Education Project, "Training for the Trainers Ultrasound Workshop" will be held in Beijing, China, on November 13-15, 2004. The local organizer is Dr. Y Jiang, Peking Union Medical College. The attending faculty will be Dr. BI Choi, WFUMB Vice president, AFSUMB President: Dr. M Kudo (WFUMB Administrative councilor), Dr. E Buscarini (WFUMB Administrative councilor), Dr. SH Kim (AFSUMB Treasurer), and Dr. K Vairojanavong (AFSUMB Immediate Past-President).

- The 8th AFSUMB congress will be held in Bangkok, Thailand, 2007.
- The 11th WFUMB congress will be held in Seoul, Korea, on May 28-June 1, 2006.

For more information, please contact choibi@radcom.snu.ac.kr or kimsh@radcom.snu.ac.kr or www.wfumb2006.com

All members of WFUMB affiliated societies are very welcome to attend WFUMB 2006 in Seoul. Dr. BI Choi, Congress Chairman, and his associates are working very hard to prepare an exciting scientific programs as well as social events in an energetic city, Seoul in 2006. Please join us and enjoy this meeting.

Masatoshi Kudo, AFSUMB Secretary

AIUM



AIUM Celebrates 50 Years of Excellence

The American Institute of Ultrasound in Medicine (AIUM) will be celebrating its 50th anniversary at the 2005 AIUM Annual Convention on

June 19-22, 2005, at the WALT DISNEY WORLD SWAN AND DOLPHIN HOTEL in Orlando, Florida, USA. An invitation is extended to ultrasound professionals all over the world to join us in celebrating this historic event.

Attendees will have the opportunity to view the latest in ultrasound technology, network with colleagues from around the world, and enhance their professional skills through more than 20 categorical courses, including 2 vascular and 2 musculoskeletal hands-on scanning courses and 15 scientific sessions in many different specialty areas, as well as through several of the popular "Just Images," film panel, and Meet-the-Professor sessions. Visit www.aium.org for details and to register online. The AIUM looks forward to your participation in the 2005 AIUM Annual Convention and 50th anniversary celebration, which is sure to be an event to remember.

AIUM Ultrasound Practice Accreditation Study

The results of a recent study on ultrasound practice accreditation were published in the August 2004 issue of the *Journal of Ultrasound in Medicine (JUM)*. Authors Alfred Abuhamad, Beryl Benacerraf, Paula Woletz, and Bonnie Burke sought to determine whether AIUM ultrasound accreditation affects the quality of ultrasound practice.

Facilities accredited by the AIUM must apply for reaccreditation every 3 years. The authors reviewed a random sample of applications for reaccreditation, and compared the scores of case studies submitted for reaccreditation with the scores each practice had received when they first applied for accreditation. The reaccreditation scores were also compared to the scores of first-time applications received at the same time as the reaccreditation applications.

The results demonstrate that ultrasound practice accreditation improves compliance with AIUM standards and guidelines for the performance of ultrasound examinations.

Over 1300 sites are currently accredited by the AIUM.

A copy of the study can be obtained on-line at www.aium.org/accreditation/accArticle. For more information on ultrasound practice accreditation, contact the AIUM accreditation department at +1 301 498-4100 or visit the AIUM website: www.aium.org.

Good News for Radiologic Technologists

The AIUM is pleased to announce that it was recently named by the American Registry of Radiologic Technologists (ARRT) as a Recognized Continuing Education Evaluation Mechanism, or RCEEM. This means the AIUM can now offer Category A CE credits to radiologic technologists (RT) who attend AIUM courses and conventions and complete other AIUM educational activities.

AIUM International Membership

The AIUM offers a special membership category for international ultrasound professionals. In an effort to reach individuals outside North America who are interested in the AIUM's web-based educational resources, the AIUM developed an international e-associate program, which costs \$50 for 12 months and includes the following benefits:

- Online access to the *Journal of Ultrasound in Medicine (JUM)*
- Online access to the *Sound Waves* newsletter
- Online access to convention proceedings
- Online access to the AIUM membership directory
- Access to multiple AIUM Listservs
- Professional-interest section participation
- Discounted *Ultrasound in Medicine and Biology (UMB)* subscription option

If you are interested in joining the e-associate program, contact AIUM Membership Manager Jennifer Hilderbrand at +1 301-498-4100 or at jhilderbrand@aium.org, or visit the AIUM website at www.aium.org.

JUM CME Tests Offered Online

Continuing medical education (CME) tests from the *Journal of Ultrasound in Medicine* can now be taken online. In just the first 4 months of operation, we have received over 625 submissions. On www.aium.org you can choose from more than 30 CME tests to take online.

New Video Programs Available

The AIUM offers an educational library of video

programs, which have proven to be a valuable resource for ultrasound professionals who are unable to travel to attend live courses. Three new video programs, which were taped live at the AIUM 2004 Annual Convention, are available from the AIUM in VHS, CD-ROM, and DVD format.

The videos are

- *Vascular Ultrasound: Where Does It Fit in Diagnosis and Management?*
- *Newest Trends in Gynecologic Ultrasound*
- *New Technologies and Applications in Ultrasound*

For a listing of other AIUM video programs available, visit www.aium.org

Upcoming AIUM Events

February 11–13, 2005

Ob/Gyn Ultrasound: How to Optimize Your Skills and Prepare for the Future
Four Seasons Hotel, Las Vegas, Nevada
Course Chair: Beryl Benacerraf, MD

June 19–22, 2005

2005 AIUM Annual Convention and 50th Anniversary Celebration
Walt Disney World Swan and Dolphin Hotel, Orlando, Florida

August 19–21, 2005

Hands-On Musculoskeletal Ultrasound Course
Marriott New York, New York
Course Chair: Levon Nazarian, MD

November 12–13, 2005

Ultrasound in Women's Health Courses
Marriott New Orleans, Convention Center, Louisiana

March 23–25, 2006

2006 AIUM Annual Convention
Marriott Wardman Park, Washington DC

To be added to the AIUM's mailing list of news and upcoming events, contact the AIUM Membership Department at membership@aium.org or by calling + 301-498-4100.

Lewis Nelson, AIUM President

FLAUS



A little bit of History

The Latin American Federation of Ultrasound Societies, FLAUS, was founded in 1983, during the first Latin American Congress of Ultrasound held in Buenos Aires, Argentina, with the intention to invite all the national societies of the Latin American community and the associated physicians working in medical ultrasound to join efforts in divulgation and education in this field. This idea was proposed by Dr. Ricardo Parada from Uruguay and well accepted by all the ultrasound community of those years.

The organization has 12 affiliated societies from the entire continent, including Argentina, Brazil, Colombia, Costa Rica, Cuba, Chile, Dominican Republic, Ecuador, Mexico, Paraguay, Uruguay and Venezuela. There are some other countries to be affiliated, such as Peru and Guatemala. Currently, the Federation has a membership of 6000 individuals.

FLAUS has organized successfully eleven continental Congresses in Argentina, Brazil, Mexico and Venezuela, and hosted the VII Congress of the World Federation for Ultrasound in Medicine and Biology -WFUMB, held in Argentina in 1997.

Recent Activities

During the past months we have had many scientific activities in the affiliated countries and the President of our organization, Dr. Miguel A. Jimenez, has participated in many of them. Venezuela hosted the first Amazonian Congress on Ultrasound. Speakers from all the countries that share the Amazon Basin (Brazil, Colombia, Peru, Ecuador and Venezuela) were present at this important event.

WFUMB Education Project for Latin America

A new education project has been approved as part of the activities of the Education Committee. The Chairman of the Latin American Project is Dr. Leandro Fernandez (Venezuela) and the Directors are Dr. Giovanni G. Cerri (Brazil) and Dr. Miguel A. Jimenez (Mexico). Two courses will be organized for 2005, in the first and last trimesters. The first course will have an orientation for basic and middle levels of ultrasound expertise and the second will be for sonographers with middle and advanced skills. The Faculty will be conformed by WFUMB officers and recognized local speakers.

XII Latin American Congress on Ultrasound, FLAUS 2005

Our next meeting will be held in Chile on October 2005. This event will bring participants and lecturers from all over Latin America and other Continents. We are pleased to host the annual meeting of the WFUMB officers, the Executive and Administrative Boards.

Everyone is invited and encouraged to attend the FLAUS 2005 meeting.

Leandro Fernandez, FLAUS Past President

ASUM



We are pleased to report that ASUM had a successful last financial year. It was a year of consolidation as well as implementing new projects, consistent with the objects of the Society.

We can proudly report that in the last financial year, more than 1200 people in total attended our ASUM scientific and workshop meetings in Australia, New Zealand and Asia. The ASUM DMU and ASUM DDU together continue to attract an increasing number of candidates from all over Australia and New Zealand. Our linkages with other medical colleges and Asia also resulted in an increase in the Society's profile and involvement in those areas. This year is also a year to remember for having ultrasound included as one of the five Australian innovations in the Australian Stamps series released in May 2004.

Membership

ASUM continues to have a strong membership of more than 2500 members and this membership is increasing.

Achieving ISO 9001:2000 Quality Management System Certification

ASUM voluntarily went through a certification process and achieved ISO 9001:2000 Quality Management System certification for a period of three years. We are proud that we now have quality management systems in place at the Secretariat which will ensure that we are able to continue to provide quality services to our members, Committees and Council. Achieving this certification also indicate a commitment to continuously improve our systems within the Secretariat.



Sale of the ASUM office at 181 High Street Willoughby Sydney

The sale of the ASUM Building has been on the Council agenda for some time. Whilst it was a time consuming task, the sale of the ASUM building was achieved in a timely manner with minimal disruption to services. The search for purchasing new premises has started, and we have up to 3 years to find new premises to accommodate the expansion of ASUM activities more effectively.

Achieving Accreditation for the ASUM DMU for another 5 years

ASUM achieved the re-accreditation for the ASUM DMU for another five years, the highest level of accreditation

Members' Funds

The last financial year showed an unprecedented surplus and more than 50 % increase in members' funds, more than ever achieved in the previous 31 years. This was a result of a series of successful meetings, prudent expenditure, business partnerships and overall successful management of the Society's finances. This enables ASUM to create new scholarships, new member education projects and new funding for research and grants.

World Federation for Ultrasound in Medicine 2009 World Congress in Sydney

On 31 May 2003, ASUM achieved a major milestone and made its mark in the Society's history by winning the bid to host the WFUMB 2009 World Congress in 2009 in Sydney. With the approval of Council, early exploratory and promotional activities have been conducted by the WFUMB 2009 Promotion Team consisting of Dr Stan Barnett, Dr Glenn McNally and Dr Caroline Hong. There is always ongoing promotion of WFUMB 2009 World Congress included in all of ASUM's activities in Australia, New Zealand and overseas countries, mostly in conjunction with major medical, ultrasound and business meetings. In 2003- 2004, two overseas meetings were attended by the WFUMB 2009 Promotion Team, at the ISUOG 2004 Congress in Singapore and at the AFSUMB 2004 Congress in Utsunomiya, Japan.

ASUM Multidisciplinary Workshop 4-6 March 2004 Gold Coast

This year the ASUM MDW was held at the Gold Coast at Conrad Jupiters. This meeting was attended by about 400 people, which again exceeded our planned numbers. The success of this workshop is attributed largely to the Convenor, Ros

Savage, and all the volunteer speakers and presenters, as well as the corporate sponsors. The support of Toshiba and Siemens as platinum sponsors, and Philips and GE as gold sponsors was very much appreciated. Again the work of the Secretariat staff and Keith Henderson are to be commended. There was one overseas invited keynote speaker, Prof Lil Valentin of Sweden, specialist in Obstetrics and Gynaecology, who presented a series of stimulating lectures at this workshop. Dr Daniel Makes, President of the ISUM (Indonesia) was sponsored by ASUM to attend this workshop. Dr Makes also presented to the ASUM Council at this meeting.

ASUM NZ meeting 24-27 June 2004 Christchurch

This year, the ASUM New Zealand Branch held its meeting in Christchurch with a large attendance of 130 people. NZ has a membership of about 200 members and to see 130 people at this meeting was considered a very good outcome. This is largely attributed to the work of Rex de Ryke, Jo Mullen and his team who convened the meeting with a good scientific program, which was enjoyed by all. We are also grateful to the sponsors, Philips, Medical, Siemens and Toshiba. Keynote speakers include Roger Gent, Peter Hewitt, Dr Andrew Little, Prof Pippa Kyle and Prof Tim Buckenham,

ASUM 2004 Annual Scientific Meeting 23-26 September 2004 Sydney

This is our annual showcase meeting. This year it is held at Star City Hotel in Sydney with a wide array of interesting keynote speakers from all parts of the globe supported by local Australian and New Zealand speakers. ASUM is very grateful to our major sponsors, Toshiba (Platinum), GE Ultrasound (Gold), Philips (Gold) and Siemens (Silver) for their generous support at this meeting. Keynote invited overseas speakers include Jane Bates from UK, Dr Giovanni Cerri from Brazil, Kathleen Carter from USA, Dr Jae Sung Cho from Korea, Prof Michel Claudon from France, Dr Harris Finberg from USA, Dr Rita Teele from New Zealand, Dr John McGahan from USA. This meeting is led by Dr Glenn McNally and Jeni Kidd, and supported by Alison Reilly, Sarah Colley, Dr Albert Lam, Dr Andrew McLennan and Robyn Tantau.

ASUM Asia Link Program

The ASUM Asia Link Committee currently comprises Dr Stan Barnett (Chair), Dr Glenn McNally and Dr Caroline Hong. Much work has been done in this area, in achieving linkages with similar societies in Asia. A successful joint meeting was held

with the Medical Ultrasonic Society of Thailand (MUST) in Bangkok in November 2003. This year ASUM will hold a similar meeting in Kuala Lumpur Malaysia from 5-6 November 2004, with keynote speakers jointly from Australia, New Zealand and Malaysia. At the June 2004 meeting of the ASUM Council, it was resolved to allocate funding to provide scholarships/traineeships to several countries in Asia. The conditions and terms are being explored and developed.

DMU (Asia) DDU (Asia)

A landmark decision by Council to sign a licensing agreement with Vision College of Malaysia took place on 15 December 2003 for the creation of DMU(Asia) in Malaysia. The Vision College school is currently being built, and the DMU (Asia) is undergoing the local accreditation process for it to be recognized as a higher learning qualification in Malaysia. The first intake of students was initially planned for March 2003 but now has been deferred to January 2005. Vision College is also in the process of recruiting a DMU sonographer lecturer to be based in Kuala Lumpur. The ASUM Council has nominated medical and sonographers members to the DMU (Asia) Advisory Panel and the DMU (Asia) Board of Examiners. ASUM is proud to be involved in introducing sonography qualification to Asia for practice in Asia. The demand for sonographers continues to be high.

New ASUM Council and President

At the AGM held on 25 September 2004, two new Councillors, Dr David Davies Payne and Prof Ron Benzie were elected Councillors. Dr Glenn McNally retired as President and Dr David Rogers, radiologist practicing in Auckland, New Zealand, took over as President of ASUM for 2 years from 2004 to 2006.

ASUM Secretariat Staff

As a result of expanding activities including new education initiatives with other medical colleges, ASUM Diploma examinations (DMU and DDU) and educational meetings, Council approved for the ASUM staff size to increase from 6 to 8 regular staff plus casuals.

All WFUMB members are welcome to attend any of ASUM meetings in Australia, New Zealand and Asia at the discounted ASUM member rates. Please see our website www.asum.com.au for updates on our meetings or email the ASUM CEO, Dr Caroline Hong on carolinehong@asum.com.au

David Rogers, ASUM President

MASU



Mediterranean and African Society of Ultrasound has been working very hard during the latest months for the promotion of US training in Africa, in spite of many troubling situations of African countries.

MASU has presently 932 members from 31 countries.

Creation of regional or national Societies for the promotion of US in Africa

7 Regional or national Societies was created by MASU for the promotion of US in Africa :

- WAMUS: West African Medical Ultrasound
- MASU: Filial for African Black French speaking area, Camerun.
- UGASON: Uganda Association for Ultrasound.
- AMDUS: Association Marocaine Des UltraSons
- STED: Societe Tunisienne d'Echographie et de Doppler.
- PASU: Pan Arab Society of Ultrasound.
- YEMSU: Yemenite Medical Society of Ultrasound

MASU International Congresses

Every 2 years MASU organizes, under the auspices of WHO and WFUMB , an international Congress and International course.

Our latest Congress has been held in Damascus , Syria , May 19-21 2004 and it was held under the auspices of WHO and WFUMB, French, Italian and Societies of US, Syrian Society of US.

The Congress had 125 participants coming from 7 different African and Middle East countries: Syria, Lebanon, Tunisia, Egypt, Morocco, Mali, Sudan. Average level of participants was very good, as shown by comments and questions from the audience.

The collaboration of the local committee of Al Assad Hospital has been excellent, under the coordination of Doctors Yasser Ali, Nouri El Moudarres and Ayad Djoukhadar.

Thanks to the support of WFUMB we were able to support the participation of 3 African colleagues from Tunisia and Sudan covering their travel and accommodation fees.

Next biannual MASU Congress, the 10th one, will be held in 2006 (date unfixed, potential sites Uganda or Tunisia)

Courses in our area

In 2003-2004 MASU has supported /organized the following courses:

August 2003: MASU sent two speakers to Pan African Congress of Radiology and Imaging (PACORI) held in Nairobi, Kenya

January 8th-11th 2004: in Tripoli, Lybia, a Course was held under the auspices of WFUMB, and co-organized by MASU and its chapter PASU.

E. Buscarini, MASU Secretary

From the WFUMB Safety Committee



As mentioned in ECHOES No. 4 the WFUMB Policy on Safety of Diagnostic Ultrasound and WFUMB Conclusion and Recommendation on Thermal Effects will be included here.

The full Report from the WFUMB Committee on Ultrasound Safety was given by the Committee Chairman Dr. Stan Barnett in ECHOES No. 4, May 2004. The full text of ECHOES No. 4 can be seen on www.wfumb.org.

Below is extract of the report including the policy, conclusion and recommendation:

The principal role of the WFUMB Safety Committee is to conduct expert working group analyses of developments in research on bio effects and safety and to develop universally agreed safety guidelines and policy. The Safety Committee also liaises with affiliated societies, government organisations and regulatory bodies and the WHO, for the purpose of providing up-to-date and authoritative information on appropriate application of ultrasound in medicine.

A considerable and important WFUMB initiative is the scientific analysis of safety issues through its sponsorship of international expert workshop-style Symposia on Safety and Standardisation of ultrasound in medicine. The purpose being to formulate, through intensive independent scientific examination and review, conclusions and recommendations of the safe use for specific applications. Experts from around the world, including scientists, academics, ultrasonologist end-users and representatives from government regulators and industry are brought together in workshops to examine in detail the topics and to create a draft document. Internationally accepted conclusions

and recommendations are submitted to WFUMB Council for endorsement as official policy. After that, the entire document is published in UMB, the official WFUMB journal. The WFUMB statements on thermal effects of Doppler ultrasound have created widespread international interest. The WFUMB has adopted, as official policy, a number of important statements on thermal effects in clinical applications, to cover issues relating to B-mode imaging, pulsed Doppler, and transducer heating. The statements are as follows:

WFUMB Policy on Safety of Diagnostic Ultrasound

B-mode imaging

Known diagnostic ultrasound equipment as used today for simple B-mode imaging operates at acoustic outputs that are not capable of producing harmful temperature rises. Its use in medicine is therefore not contraindicated on thermal grounds. This includes endoscopic, transvaginal, and transcutaneous applications.

Doppler

It has been demonstrated in experiments with unperfused tissue that some Doppler diagnostic equipment has the potential to produce biologically significant temperature rises, specifically at bone/soft tissue interfaces. The effects of elevated temperatures may be minimised by keeping the time for which the beam passes through any one point in tissue as short as possible. Where output power can be controlled, the lowest available power level consistent with obtaining the desired diagnostic information should be used.

WFUMB Conclusion on Thermal Effects

Biologically significant temperature increases have been measured, at or near bone/soft tissue interfaces, during exposure to conditions similar to those used in Doppler diagnostic equipment. The effects of elevated temperatures may be minimised by keeping the time for which the beam passes through any one point in tissue as short as possible.

WFUMB Recommendation on Thermal Effects

A diagnostic exposure that elevates embryonic and fetal in situ temperature above 41°C (4°C above normal temperature) for 5 minutes or more should be considered potentially hazardous.

The current WFUMB Safety Symposium addresses the topic of the safe use of echo-contrast agents as well.

Stan Barnett, Committee on Ultrasound Safety, Chairman

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Latin American Federation for Ultrasound in Medicine (FLAUS) www.flaus.org

Australasian Society for Ultrasound in Medicine (ASUM) www.asum.com.au/open/home.htm

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