



ECHOLIS

WORLD FEDERATION FOR ULTRASOUND IN MEDICINE AND BIOLOGY





WFUMB 2009
Sydney
 Australia
 12th World Congress of
 the World Federation
 for Ultrasound in
 Medicine and Biology
 August 30 – September 3, 2009





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Note from the Editor



Dear WFUMB Members and other readers of the ECHOES.

Twenty years ago, when the WFUMB Constitution took effect, it was written as a preamble for the WFUMB that "because of the increasing application of ultrasonic techniques in biological and medical research and practice, groups have been organized in various parts of the world to promote cooperative effort in these areas".

Since then groups have been organized, national societies and international federations have been created, international cooperation been performed and scientific information been disseminated. Courses and congresses have been created, journals been published.

Communication and understanding in the world community using ultrasound in medicine and biology have improved considerably.

The scientific, literary, and educational objectives of the Federation have reached most respected heights. With the world wide increasing use of ultrasound in medicine and in biology there is, however, an ongoing need for international communication not least in the field of education. Through the years the officers of WFUMB, in collaboration with a large number of colleagues around the world, have succeeded to stimulate scientific national and international organizations and individual members as well to establish high quality level of scientific research as well as great teaching seminars, workshops and courses around the world. And the WFUMB Journal "Ultrasound in Medicine and Biology" has stimulated various authors to publish important information.

A most important site for communication and spread of scientific research and education is the WFUMB World Congresses in Ultrasound. The 12th World Congress in Ultrasound will take place in Aug./Sep. 2009 in Sydney, as you can see from the information on page 10.

Søren Hancke, Editor ECHOES

Message from the President



The forthcoming World Congress, to be held in August 2009 in Australia is approaching. It will be sponsored by the Australasian Federation and will be the second event to

be hosted in Sydney, a city with countless cultural and natural attractions besides the traditional hospitality of its people. This will be a unique occasion to get in contact with the scientific progresses of Ultrasonography in an event that will integrate the five continents, three years after the successful Congress held in Seoul.

We have recently attended the Australasian Society Annual Congress and observed the excellent organization of the Society and the enthusiasm for the accomplishment of the 2009 Congress.

In Sydney, we will have the opportunity to discuss the WFUMB programs of education and to carry out a retrospective look of the actions of our Society towards the improvement of the conditions of professional exercise in the ultrasound all over the world, with emphasis on the programs for the developing countries. The proposal of an essential course outline directed to the preparation of ultrasonographers with the objective of reviewing the training programs designed for the specialty professional formation will also be discussed.

We await the presence of everybody in the WFUMB 2009, opportunity to learn and review the friends of other countries and areas.

Giovanni G. Cerri, WFUMB President

Message from the Secretary



WFUMB Strengthens International Collaboration in Medical Imaging:

The WFUMB is committed to broadening its objectives in promoting optimal international standards of practice in the application of diagnostic ultrasound in medicine.

The WFUMB is developing strategies to encourage co-operation amongst international societies involved in medical imaging.

One approach, an initiative of President Giovanni Cerri, has been to align business meetings of the WFUMB Council to coincide with major imaging congresses. The WFUMB is promoted at those congresses through joint meetings of participating Boards, through lectures and presentations within the scientific/clinical program and by means of advertising through promotional booths in exhibit areas of these congresses. The objective is to highlight the activities of the WFUMB and to identify areas of common interest that might lead to productive alliances.

To date, host organizations have been very supportive and have generously entered into the spirit of collaboration. The WFUMB has begun a process to demonstrate its activities, goals and achievements, particularly in areas of education and improved skills and standards for the safe and effective use of ultrasound in medicine.

Recent examples of joint meetings include: WFUMB Executive Bureau with AFSUMB Congress, Bangkok in November 2007 and WFUMB Administrative Council and International Congress of Radiology (ICR) in Marrakech in June 2008. During the congress in Marrakech, jointly convened by the International Society of Radiology (ISR) and the Mediterranean African Society of Ultrasound (MASU), a joint meeting of the WFUMB Council and Board members of ISR was held. Both organisations have similar educational objectives and it was agreed that there are many opportunities for collaboration on projects on training and safety issues in the development of standards of practice.



From the XXV International Congress of Radiology / XI MASU International Congress in Ultrasound, Marrakech, Morocco June 5-8, 2008 - joint meeting with WFUMB Council members and MASU Board members.

From left back: Dr. J. Copel, AIUM, Dr. Cheng-Wen Chiang, AFSUMB, Dr. D. Ewans, EFSUMB, Dr. H. Gharbi, MASU, Dr. E. Buscarini, MASU, Dr. B. Benacerraf, AIUM, Dr. Dr. G. McNally, ASUM, Dr. C. Holland, Editor in Chief, UMB, Dr. B.I. Choi, AFSUMB, Dr. S. Hancke, Editor ECHOES. From left front: Dr. L. Fernandez, FLAUS, Dr. M. Ziskin, AIUM, Dr. E. Fortia, MASU, Dr. G. Cerri, FLAUS, Dr. M. Kawooya, MASU, DR. S. Barnett, ASUM

WFUMB Centres Of Excellence:

There are four COEs that are now actively involved in providing education within their geographic area under the sponsorship of the WFUMB. These Centres have been established in the following regions: Uganda, Africa; Dhaka, Bangladesh; Caracas, Venezuela and Timisoara, Romania. It is encouraging to see these centres working successfully and cost-effectively. It was my great pleasure to participate as invited WFUMB speaker in the recent EUROSON Congress held in Timisoara, Romania. The congress was co-convened by SRUMB President, Prof. Ioan Sporea and EFSUMB President, Dr Norbert Gritzmam. Prof. Ioan Sporea, COE Director, and his team has done an extraordinary job of establishing the Romanian COE in Timisoara.

A detailed report on the activities of the CEOs is provided by Dr Byung Ihn Choi, Chair of WFUMB CEO Committee.

The next meeting of the WFUMB Administrative Council will take place during the WFUMB World Congress in Sydney, September 2009.

Stan Barnett, WFUMB Secretary

Message from the Treasurer



WFUMB has once again done very well financially and remains a wealthy Federation, ready and able to carry out the programs currently in place and in the planning stages. We are very excited with all the programs being planned by the Chairman of the Committee on Education for Medical Ultrasound, Dr. Barry Goldberg and we should begin to see many of the educational projects planned last year, implemented this year.

The addition of the new secretariat at AIUM has facilitated much the administrative burden, and the additional expense to have such a secretariat has been well worth it. Glynis Harvey continues to be invaluable in helping us with logistics and planning. Many of the projects to be implemented this year would not have been possible without the help with logistics that the central secretariat provided.

Despite the poor state of our economy in the US, WFUMB has not lost any money, since WFUMB has invested very conservatively.

In summary, we continue to be able to fund increasing numbers of educational programs, which we will begin to implement this year. Everything is on budget and there are no problems or issues related to the treasury.

Beryl Benacerraf, WFUMB Treasurer



Report from Committee on Education for Medical Ultrasound



One of WFUMB's primary initiatives - and greatest strengths - is its commitment to providing targeted educational opportunities to both ultrasound educators and students in developing and emerging countries. WFUMB's international presence gives it the unique ability to provide global outreach to the entire ultrasound community.

Centers of Excellence (COE)

To date, WFUMB has accredited four international Centers of Excellence, which, through the efforts of local ultrasound societies, offer accredited medical ultrasound education programs in developing countries, while increasing that local society's expertise in education. As part of the program, WFUMB provides qualified visiting professors to enhance these educational experiences. Centers are located in Dhaka, Bangladesh, Kampala, Uganda, Caracas, Venezuela, and Timisoara, Romania and each is responsible for holding at least one course per year

Education Project

WFUMB's Education Project provides funding for renowned ultrasound lecturers to speak at courses in developing and emerging regions of the world in cooperation with a local ultrasound society within that particular region. The end result is an increase in the level of ultrasound knowledge by both the local educators and the students. Ongoing education projects are held in Africa, Asia and Latin America. The African education project has held programs in Tanzania, Sierra Leone, Uganda and Tunisia. Asian education programs have been held in Bangladesh, Philippines, China and Indonesia. Future projects are planned for Thailand and Mongolia. The Latin American education project has held programs in Peru and Venezuela.

Scholarship Program

WFUMB's scholarship program subsidizes travel expenses for individuals from developing countries to visit and train at established ultrasound education centers. In the last two years, WFUMB has awarded four scholarships and I am pleased to announce the recipients:

- Kevin Dickins (Ecuador)
- Farhana Haque (Bangladesh)
- Esther Kawira (Tanzania)
- Nicolas Maza Tousaint (Venezuela)

A New WHO/WFUMB Ultrasound Manual

A second edition of the World Health Organization/WFUMB Ultrasound Manual is almost complete. This manual, first issued more than a decade ago, has been completely revised and updated. A world-wide group of authors has been assembled to publish the manual, oriented towards physicians in developing and emerging countries of the world. The previous manual was translated into many languages and it is anticipated that this also will be the case with the new edition. It is hoped that this manual will become an important part of a number of WFUMB's other projects by providing up-to-date ultrasound educational information, not only for the visiting student programs but also for students learning in our Centers of Excellence. This new two-volume manual will be available early next year.

Ultrasound Equipment Donations

WFUMB also provides ultrasound equipment to needy centers in cooperation with Global Ultrasound Equipment Donation Foundation (GUEDF). Equipment is necessary in order to provide the hands-on training experiences that are so important for ultrasound education. The GUEDF has received and ultimately donated to needy centers more than 300 ultrasound systems from several ultrasound equipment manufacturers. In the last two years, WFUMB has provided funding for four machines to go to selected educational centers in developing nations:

- Omolola Atalabi (Nigeria)
- Peter Gurau (Moldova)
- Esther Kawira (Tanzania)
- Philip Njemanze (Nigeria)

Educational Material Donations

Another educational approach is to provide educational materials to ultrasound teaching centers in developing and emerging countries. These materials are collected through contributions from regional societies and established education centers around the world who routinely record lectures at their courses. WFUMB also provides needy centers with electronic subscriptions to its journal, *Ultrasound in Medicine and Biology*, and looks to its member societies to assist in this effort with materials they may have on hand.

E-Learning and Curriculum for Ultrasound Training

Our most exciting initiative to date is the creation of an electronic ultrasound curriculum for training in developing and emerging countries. There is a great need for adequate education in these regions of the world where training opportunities are scarce. Not only are there a limited number of physicians available to provide adequate training, but these physicians often are overwhelmed just taking care of the health needs of the population. In an era in which there are increasing clinical demands on imagers, such education can be inconsistent at best. In our model, lectures will be prepared by leading authorities and developed into an ultrasound-specific training program, which would then be delivered via the internet and interactive DVDs to a much greater audience than we've ever been able to reach before. While this activity is still under development, a formal presentation for implementation of this project will be given at the WFUMB2009 meeting in Sydney, Australia.

Special Thanks to Education Committee Members

I'd like to thank the members of the WFUMB Education Committee for their efforts in furthering the goals of the committee and of the society:

- Barry Goldberg, Chair
- Kanu Bala
- Stanley Barnett
- Elisabetta Buscarini
- Byung Ihn Choi
- Michel Claudon
- Joshua Copel
- Paul Dubbins
- Leandro Fernandez
- Hassen Gharbi
- Harald Lutz
- Kofo Soyebi
- Eli Tshibwabwa

Without the help of these dedicated individuals, WFUMB would not be able to make nearly as much progress in the development and the scope of its international educational programs.

Barry Goldberg,

WFUMB Education Committee Chairman

Report from Committee on Ultrasound Safety



WFUMB and Safety Issues:

The WFUMB continues to play a major role in the assessment of safety and the development of practical guidelines for the efficacious application of diagnostic ultrasound in medicine. Continuing activity in the examination of safety issues forms the basis for policy guidelines. The WFUMB has a very successful record of achievement through its sponsorship of safety symposia involving international scientific collaboration. In a recent example of such collaboration, the WFUMB initiated a joint activity with the International Society for Ultrasound in Obstetrics and Gynaecology (ISUOG) to develop policy for standards of practice for the Non-Medical Use of Ultrasound, specifically that commonly known as "entertainment scanning", where scanning is done purely for commercial benefit. The development of safety recommendations for non-diagnostic use of ultrasound also has implications for scanning of live models in exhibition areas of imaging congresses. It is intended that the WFUMB project will include all such aspects within its scope of operation. The WFUMB Council approved

at its last meeting in Marrakech the continuation of its collaborative efforts with the ISUOG to investigate the topic of prolonged use of pulsed Doppler in early first trimester pregnancy. A program of work has been prepared utilizing the collective expertise of the joint Safety Committees of the WFUMB and ISUOG. As Chair of WFUMB Safety Committee, I look forward to continued positive outcomes to achieve the objective of internationally acceptable standards of practice

Live Scanning at WFUMB Congresses:

At the meeting in Marrakech, June 7th, 2008, the WFUMB Council agreed to a position on live scanning during the WFUMB World Congress in Sydney, 2009. While WFUMB does not object to live scanning, the involvement of pregnant women, children, or invasive scanning would not be acceptable. In addition, the use of corporate employees to perform scans would be acceptable, but such activity should not be considered educational. Scanning by physicians and/or technologists could be considered educational, if handled in an educational setting.

Stan Barnett,

Chairman Committee on Ultrasound Safety

Report from WFUMB Asian Education Project

WFUMB Asian Education Project, Training for the Trainers Ultrasound Workshop

has organized the following activities 2002-2008:

- 1st June 6-8, 2002. Dhaka, Bangladesh. Auditorium of the Bangladesh Society of Ultrasound
- 2nd January 21-23, 2004. Quezon City, Philippines. Philippine Children's Medical Center
- 3rd November 13-15, 2004. Beijing,

China. Peking Union Medical College Hospital

- 4th January 27-29, 2006. Jakarta, Indonesia. Menara Peninsula hotel
- 5th February 15-17, 2008. Agra, India. Jaypee Palace & International Convention Center
- 6th July 24-26, 2008. Ulaanbaatar, Mongolia.

WFUMB Training for the Trainers Ultrasound Workshop

February 15-17, 2008

Jaypee Palace and International Convention Center, Agra, India

Dr. Byung Ihn Choi, WFUMB co-opted councilor, proposed the 5th Asian Education Project of WFUMB entitled Training for the Trainers Ultrasound Workshop at the meeting of executive bureau of WFUMB on March 16, 2007 in New York City. The proposal was approved at the administrative council meet-



ing of WFUMB on March 17th, 2007 in New York City, USA.

This 5th Asian project was explained again by Dr. Byung Ihn Choi, at the meeting of the executive bureau of WFUMB on November 13, 2007, in Bangkok, Thailand, and was approved by the council of WFUMB including Dr. Beryl Benacerraf, the Treasurer, and Dr. Giovanni Cerri, the President of WFUMB.

The objectives of the project are to provide ultrasound training knowledge, and the techniques of both scanning and interpretation. Those who attend the course will become competent trainers to instruct others who are new in the field of diagnostic ultrasound. All the participants will conduct ultrasound workshop in their respective training institutions or provinces, thus, will eventually increase the number of doctors who can perform ultrasound scanning properly and make more accurate diagnosis.

Dr Byung Ihn Choi discussed this project including its contents, and its scheduled time and place with Dr. Vanjani and Dr Bhupendra Ahuja – Chairman of local organizing committee of the Indian Federation of Ultrasound in Medicine and Biology (IFUMB).

The contents, and the arranged time and place of this project were decided by the organizing committee of this workshop and approved by Dr. Byung Ihn Choi.

The annual conference of Indian Federation of Ultrasound in Medicine & Biology – USCON XVII and WFUMB Asian Education Project Workshop held in Agra from 15th to 17th February 2008. The venue of the congress was Jaypee Place & International Convention Centre, Agra.

The conference was attended by more than 500 delegates from all over India and adjoining countries like Nepal & Bangladesh.

During this academic meeting seven live workshops were conducted under the banner of Indian College of Medical ultrasound (academic Wing of IFUMB) and Asian Education Project of WFUMB. The topics of the live workshops were as follows:

- 1- Difficult areas in Abdominal Sonography & Color Doppler Studies.

- 2- Ultrasound in Male Infertility
- 3- Musculoskeletal Ultrasound
- 4- Peripheral Doppler-Upper limb arterial & Lower limb Venous systems
- 5- Practical tips on Basic Obstetrical Ultrasound
- 6- Obstetrical Anomaly Scan
- 7- Echocardiography

The Abdominal color Doppler workshop and Echocardiography Workshops were conducted by WFUMB Faculty along with local faculty members.

Other than live workshops, lecture sessions on abdominal Ultrasound, Superficial parts, Gynaecological ultrasound and Reporting standards in Anomaly Scan were conducted. Delegates also took keen interest in Panels Discussions and Symposia.

Dr. B.I. Choi was conferred with most prestigious Oration of IFUMB-Dr. S.K. Sharma Oration. His topic of Oration was Ultrasound in Benign & Malignant Hepatic Tumors.

On 17th February, free paper and poster presentation sessions were also attended by quite a good number of delegates.

Separate certificates of IFUMB & WFUMB were given to all delegates.

The WFUMB Faculty was: Dr. Prof. B.I. Choi (Korea), Dr. C.W. Chiang (Taiwan), and Dr. M. Kudo (Japan).

An International Faculty included Dr. N. Dahiya (USA) and Dr. Musarrat Hasan (Pakistan). From India, about 50 renowned sonologists were invited as faculty members. The Faculty members delivered forty five

lectures on different topics of ultrasound. They also conducted five sessions of hands-on training.

The workshops and lecture sessions were of international standard and were appreciated by all delegates.

Since there was a clamor for expansion of capacity of participants for the workshop, among those who wished to attend, the organizing committee decided to open this workshop to every participant of USCON XVII.

The conference was officially inaugurated on 15th February at 6 p.m. by the Chief Guest Director General of Health Services of India Honorable Dr. Prof. R.K. Srivastava and Guests of Honour Dr. Prof. C.W. Chiang President AFSUMB and Dr. Prof. B.I. Choi from WFUMB.

The congress ended with a Valedictory Session on 17th at 5 p.m. The Chief guest of this session was Dr. Musarrat Hassan (Pakistan).

Dr. Bhupendra Ahuja President IFUMB & Organising Chairman of USCON XVII along with Dr. Narendra Malhotra, Dr. Jaideep Malhotra, Dr. Arun Kumar, Dr. Arvind Gupta, Dr. R.N. Goel and Dr. Vanaj Mathur thanked all the faculty members, delegates and members of Organising Committee.

A special thanks was extended to the Coordinators of WFUMB workshop and Office bearer of WFUMB for their kind support and giving an opportunity to host WFUMB workshop along with Annual congress of IFUMB-USCON XVII at Agra.



Opening ceremony of the USCON XVII and WFUMB Asian Education Project Workshop, February 2008, India

**WFUMB Training for the Trainers Ultrasound Workshop. July 24-26, 2008
The State Central Clinical Hospital, Ulaanbaatar, Mongolia**

Dr. Byung Ihn Choi, WFUMB co-opted councilor, proposed the 6th Asian Education Project of WFUMB entitled Training for the Trainers Ultrasound Workshop at the joint meeting of WFUMB and AFSUMB on November 13, 2007 in Bangkok, Thailand.

This proposal was approved by the council of WFUMB including Dr. Beryl Benacerraf, the Treasurer, and Dr. Giovanni Cerri, the President of WFUMB, and was approved at the administrative council meeting of WFUMB on June 7th, 2008 in Marrakesh, Morocco.

The objectives of the project are to provide ultrasound training knowledge, and the techniques of both scanning and interpretation. Those who attend the course will become competent trainers to instruct others who are new in the field of diagnostic ultrasound. All the participants will conduct ultrasound workshop in their respective training institutions or provinces, thus, will eventually increase the number of doctors who can perform ultrasound scanning properly and make more accurate diagnosis.

Dr Byung Ihn Choi discussed about this project including its contents and its scheduled time and place with Prof. Sodov Sonin, President of Mongolian Society of Diagnostic Ultrasound, Dr Masatoshi Kudo, WFUMB vice-president 1 of, and Dr Cheng-Wen Chiang, WFUMB Councilor of and President of Asian Federation of Societies of Ultrasound in Medicine and Biology (AFSUMB).

The contents, and the arranged time and place of this project were decided by the Organizing Committee of this workshop and approved by Dr. Byung Ihn Choi.

The Workshop was attended by more than 200 participants from all over Mongolia.

The topics of workshop were as follow:

- 1- Ultrasound of Liver Tumors.
- 2- Ultrasound of Diffuse Liver Diseases
- 3- Contrast Ultrasound of Liver Diseases
- 4- Harmonic Ultrasound for Hepatobiliary Diseases

- 5- Ultrasound of Pancreatic Tumors
- 6- Renal and Prostate Ultrasound
- 7- Ultrasound of Thyroid and Neck
- 8- Musculoskeletal Ultrasound
- 9- Color Doppler Ultrasound of Peripheral Vessels
- 10- Echocardiography

The exhibition during sessions was also attended by quite a good number of participants.

During the workshop all day coffee breaks, lunches and dinners were served.

Certificates of WFUMB, AFSUMB and MSDU were given to all participants.

The WFUMB and AFSUMB Faculty was: Prof. B.I. Choi (Korea), Director of Asian Education Project of WFUMB, Prof. C.W. Chiang (Taiwan), President of AFSUMB, Prof. M. Kudo (Japan), Vice President of AFSUMB, Prof. S.H.Kim (Korea), Secretary-General of AFSUMB, Prof. Y.H.Chou (Taiwan), Editor-in-Chief, Journal of AFSUMB

The workshop and lecture sessions were of international standard and were appreciated by all participants.

The Faculty members delivered twenty five lectures on different topics of ultrasound. Enclosed is a copy of workshop program including lectures and ceremonies.

A pre-workshop seminar and hands-on training session were held on 23 July 2008.

Since there was a clamor for expansion of capacity of participants for the workshop, among those who wished to attend, the organizing committee decided to open this workshop to every participants of WFUMB Workshop. A total of 209 participants enrolled as attendants for the workshop from all over Mongolia.

The Workshop was officially inaugurated on 24 July 2008 at 8.30 a.m. by Professor Byung Ihn Choi, Director of Asian Education Project of WFUMB, Professor C.W. Chiang, President of AFSUMB and Professor Sodov Sonin, President of MSDU, President of The State Central Clinical Hospital, Ulaanbaatar, Mongolia.

The Workshop closed on 26 July 2008 with an award ceremony of certificates to the participants.

Professor Sodov Sonin thanked all the faculty members, delegates and members of the Organizing Committee. A special thanks were extended to WFUMB Workshop lecturers and given A Letter of Appreciation for their valuable contribution to the development of ultrasound diagnostic service in Mongolia by making the presentation and sharing their best knowledge and experience and also their kind support and giving an opportunity to host WFUMB Workshop.

Dr. Sodov Sonin, President Mongolian Society of Ultrasound & Dr. Byung Ihn Choi, WFUMB



WFUMB Lecturers at the WFUMB Training for the Trainers Ultrasound Workshop in Mongolia



From the WFUMB Conference and Training Course in Dar Es Salam, Tanzania, 2008.

Report from Mediterranean and African Society of Ultrasound, MASU

The Mediterranean and African Society of Ultrasound, MASU has since 1986 been working for the promotion of high quality use of ultrasound in the African continent.

The following courses have recently been organized:

Lybian Society of Ultrasound Course in Ghat, Lybian December 15-18, 2007 with 150 active participants.

WFUMB COE course in Kampala, Uganda 2008

WFUMB course in Dar Essalam, Tanzania, March 12-15, 2008 with 120 active participants.

11th MASU International course in Marrakech, Morocco June 5-8, 2008.

The following projects are presently on-going:

Under the auspices of MASU the World Medical Colours Association, Italy has organized and sponsored the following courses:

Ultrasound Training in Zanzibar, Tanzania 2007-2009

Ultrasound Training in Pemba, Tanzania 2006-2010

Ultrasound Training in Juba, Sudan, Dr. Franca Melloni, MASU Secretary.

Under the auspices of MASU the Ivo de Carneri Association, Italy has organized

The First Basic Course in Ultrasound April 12-17, 2008, Dr. Maura Lucchini and Dr. Franca Melloni.

On the request of WFUMB President Professor Giovanni Cerri, two joint meetings were held during the XXV International Congress of Radiology / XI MASU International Congress in Ultrasound, Marrakech, Morocco June 5-8, 2008:

The WFUMB Administrative Council met with MASU Board and the International Society of Radiology (ISR) Board respectively. During these meetings the future cooperation of our societies particularly in the field of Education in Ultrasound in developing countries was discussed. There was a most fruitful and positive outcome of these discussions. More close collaboration with exchange of experiences was planned for the future.

We would like to acknowledge the WFUMB Council who has supported MASU activities for the promotion of high quality use of

ultrasound in Africa since 1992. And thanks to MASU supporters and members from all over the world having participated in the success of this fantastic job.

Looking forward seeing you at the XII MASU International Congress in Tripoli, Libya, 2010.

*Mohamed Al Fortia, MASU President.
Franca Meloni, MASU General Secretary
Hassen A. Gharbi,
MASU- WFUMB representative*



Dr. Franca Meloni, MASU Secretary with student during hands-on training in Zanzibar, Tanzania, 2008.



Prof. Azza Hammou, MASU President, Dr. Giovanni Cerri, WFUMB President and Dr. Hans Ringer, ISR President during the joint meeting in Marokko, 2008.

Horace E. Thompson, M.D., Memorial words



Prof. Horace E. Thompson

It is with great sadness that I note the passing of Horace E. Thompson, M.D., a true pioneer and leader in clinical ultrasound. He was the "Father" of Obstetrical and Gynecological Ultrasound in this country, a former President of the American Institute of Ultrasound in Medicine (AIUM), and a former President of the World Federation for Ultrasound in Medicine and Biology (WFUMB).

Dr. Thompson received his AB from the University of Denver in 1944 and his MD from the University of Colorado School of Medicine in 1948. He interned at Fresno County Hospital in Fresno, California, for one year and was assistant resident in obstetrics and gynecology at the John Hopkins Hospital in Baltimore from 1951 to 1952. He was also chief resident in obstetrics and gynecology at Presbyterian Hospital in Chicago from 1952 to 1954. Dr. Thompson, on active duty in the military from 1955 to 1957,

served in the National Guard and Reserve for several years. From 1955 to 1956, he operated a private practice in obstetrics and gynecology in Denver. During that time, Dr. Thompson began work with Dr. Joseph H. Holmes in the ultrasound laboratory at the University of Colorado Medical Center. When the first contact scanner in the nation was built at the University of Colorado, Dr. Thompson used it in his obstetrics and gynecology practice. After Dr. Thompson became a full-time member of the Department of Obstetrics and Gynecology at the University of Colorado Medical Center, he was named Chief of Ob/Gyn at Denver General Hospital, served in this position from 1966 to 1978. Dr. Thompson was professor and chairman of the Department of Obstetrics and Gynecology at Louisiana State University (Shreveport) from 1978 to 1988. For a number of years following this, he served as a Visiting Clinical Professor at the University of Colorado Health Sciences Center Antenatal Testing Unit.

Dr. Thompson was a member of numerous prestigious committees relating to Obstetrics and Gynecology. He chaired the FDA Panel on the Review of Obstetrical-Gynecological Instruments and Devices. He was a permanent member of the National Council on Radiation Protection and Measurements (NCRP) SC-66, the Committee responsible for writing three authoritative volumes dedicated to the physics and safety underlying the use of ultrasound in medicine. He was the Program Chairman of the 1971 AIUM Conference, and served as the President of

AIUM from 1978 to 1980. As president of the World Federation for Ultrasound in Medicine and Biology (WFUMB) from 1985 to 1988, he founded the WFUMB newsletter (1987) and was its editor until 1996. Dr. Thompson was co-author of the first journal article published in the United States on the use of ultrasound in obstetrics and gynecology (American Journal of Obstetrics and Gynecology, vol. 92:44, 1965). In addition he was the author of more than 50 scientific articles, as well as a number of audiovisual teaching tapes. For his numerous contributions to the field of ultrasound, he was awarded the AIUM's William J. Fry Memorial Lecture Award in 1979 and the Joseph H. Holmes Pioneer Award in 1991.

Dr. Thompson, or Tommy as all his friends called him, was a real gentleman and beloved by all who knew him. His many students have become better physicians and ultrasound practitioners because of his teaching. His loving wife, Edith, was always by his side and a great help to him throughout the sixty years of their marriage. Tommy was a great clinician, a beloved colleague, and will be greatly missed.

*Prof. Marvin C. Ziskin M.D.,
WFUMB Immediate Past President*

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INVITATION TO A GLOBAL ULTRASOUND EVENT, SYDNEY 2009



WFUMB 2009

Sydney
Australia

12th World Congress of
the World Federation
for Ultrasound in
Medicine and Biology

August 30 – September 3, 2009



www.wfumb2009.com



It is our great pleasure and honour, on behalf of the Australasian Society for Ultrasound in Medicine (ASUM), to invite you to participate in the 12th WFUMB World Congress, to be held in Sydney, Australia from 30th August to 3rd September 2009.

The Organising Committee and Scientific Program Convenors for WFUMB '09 have designed a stimulating conference that aims to accommodate new developments and applications of ultrasound in medicine. The ASUM shares a common global goal of establishing high standards for "PROMOTING EXCELLENCE IN ULTRASOUND" and the safe effective use of ultrasound in medicine. The WFUMB World Congress will offer an ideal forum to join your peers and colleagues in ultrasound from all around the world.

We have a competent team of people working together to ensure a world class event. The ASUM Secretariat is supported by a professional network of support including Business Events Sydney, the Sydney Convention and Exhibition Centre, Australian Tourism and the Department of State and Regional Development, working together with a Professional Conference Organiser, ICMS Pty Ltd. All of these supporters have considerable experience in hosting large international scientific and medical congresses.

Sydney is a world-class convention destination with temperate climate, stunning scenery in a friendly and safe social structure. It is a highly sought-after congress and tourist destination. The ASUM is dedicated to ensuring a successful scientific, educational and social congress in

this modern and beautiful city. It is a rare occasion for the WFUMB congress to be held in Sydney and we hope that you will take advantage of this special opportunity. We can promise you an exciting and successful congress with a uniquely Australian flavour.

Prof Ron Benzie, President, Dr Matthew Andrews, Immediate Past President, Prof Rob Gibson, Convenor, Dr Caroline Hong, ASUM CEO

WFUMB COMMITTEE'S 2006-2009

COMMITTEE ON EDUCATION FOR MEDICAL ULTRASOUND

Dr. Berry Goldberg, Chairman

Dr. Elisabetta Buscarini

Dr. L. Fernandez

Dr. H. Gharbi

NOMINATION COMMITTEE

Dr. Michel Claudon, Chairman

Dr. Leandro Fernandez

Dr. Byung Ihn Choi

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