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The 17th World Federation for Ultrasound in Medicine and Biology Congress

hosted by the Australasian Society for Ultrasound in Medicine

ASUM2019 5 – 9 September 2019
Melbourne Convention & Exhibition Centre Melbourne, Australia



ECHOES

WORLD FEDERATION FOR ULTRASOUND IN MEDICINE AND BIOLOGY

WFUMB Vision Statement:

Through communication, collaboration and education, bring sustainable ultrasound programs to underserved areas in the world.

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Presidents speech at opening of WFUMB Taipei meeting

Christian Nolsøe

Good Morning ladies and gentlemen, Mr Chen Vice President of Taiwan, Congress Presidents Prof Chiang, Prof Nisenbaum and Prof Chou, dear friends.

I have a dream that one day ultrasound will be readily available to healthcare providers everywhere on our planet. Therefore, it is an exquisite pleasure to welcome so many ultrasound professionals of different

expertise from all over the globe to our world-congress here in the bustling city of Azaleas, also known as Taipei. I am tremendously proud to be standing here today and

addressing such a prestigious group as you. I am proud to be one of you, an attendee of WFUMB 2017, proud to be a member of this worldwide community of highly

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“ I have a dream that one day ultrasound will be readily available to healthcare providers everywhere on our planet. ”

Presidents speech at opening of WFUMB Taipei 2017 meeting

[continued from Page 1]

.... dedicated professional experts that has found it in themselves to travel across the world and gather here in Taipei and for 5 days dedicate our full focus on nothing else but one thing: **MEDICAL ULTRASOUND.**

Congress co-presidents Prof Chiang & Prof Nisenbaum and the entire team of organizers have done a fabulous job and we, the attendees, highly appreciate your tireless efforts and hard work. We thank you deeply and you should all be very proud of yourselves. The congress secretariat led by Miss Novia Lin have provided an extraordinary smooth, efficient and friendly service. You have a huge share in the success of this congress and we thank you all.

In WFUMB we have a motto that goes:

"WFUMB - Bringing ultrasound to the world"

Here in the city of Azeleas we come together nearly 2,400 attendees from 46 countries to improve and perfect our knowledge in the science of medical ultrasound. I believe we can twist our motto slightly for this occasion and say: **"WFUMB 2017 - bringing the whole world to ultrasound".**

Ultrasound is a truly amazing and unsurpassed tool. We can change the world with ultrasound. We can improve global healthcare. We can remove developing world inequity. We can better maternal healthcare and help take away oppression of women. We can do all this by bringing ultrasound to the world.

Yes, we can ! Let us do it,

Thank you for attending WFUMB 2017, thank you for your attention



Outgoing President's message Harvey L. Nisenbaum, M.D., FACR, FAIUM, FSRU

It has been a great honor and privilege to have been the WFUMB President from 2015-2017. Working with a wonderful and very competent Executive Bureau and Administrative Council, we have made some significant achievements during this time following our vision and mission of bringing sustainable ultrasound programs to underserved areas of the world to help improve global healthcare through collaboration, communication, and education.

One thing I know very well is that WFUMB going forward will become an even better organization under the leadership of President Christian Nolsoe and President-Elect Seung Kim. Let's improve global healthcare through ultrasound.

Through collaboration and communication, we want the name WFUMB with its 6 member Federations to be identified with the global use of ultrasound. Since 2015 we have added 3 Centers of Education (changed the name Center of Excellence to Center of Education)- Paraguay, Moldova, and Sudan. Over the last few years WFUMB leaders have been meeting with vendors and other organizations at the annual RSNA in Chicago to discuss opportunities for collaboration. This past November we met with 8 vendors and 3 organizations. The vendors are very interested in supporting our COEs and we are in the process to make that happen. We are discussing opportunities to collaborate in 2018 with the World Federation of Pediatric Imaging (WFPI) and Imaging the World (ITW). We are supporting a WFUMB Lecturer at the annual meeting of each of our 6 Federations and also offer to support at least one WFUMB Lecturer at each of the COE annual meetings. WFUMB with its 6 member Federations is more than an organization. It is a family of individuals who volunteer their time to help bring ultrasound to the almost 2/3 of the world population who live in remote areas of underserved areas where the only imaging that can be supported is ultrasound, not CT or MRI. It will take a long time. WFUMB will be there.

THANK YOU LETTER SENT TO SPEAKERS AFTER WFUMB TAIPEI

Greetings from WFUMB 2017 TAIPEI!

With your support, participation, and contribution, WFUMB 2017 TAIPEI is concluded as another successful WFUMB Congress! We are pleased that there are more than 900 abstracts submitted and over 2,500 participants from 46 countries in WFUMB 2017 TAIPEI.

Specifically, your active participation is instrumental and critical in enriching the medical content of WFUMB by extending the frontier of ultrasound. On behalf of the WFUMB 2017 TAIPEI Committees, we would like to express our most sincere appreciation for your contribution.

In addition to the medical research presented in the Congress, we also hope new friendship and enlightening vision is formed, which would promise more collaboration in addressing the pertinent and cutting edge issues in the coming future.

As a memoir of your participation, the Congress photos can be accessed through our Congress website: www.wfumb2017.org/congress_photo.php

Incoming WFUMB President's address

Christian Nolsøe

“ Dear members of WFUMB and all other friends of ultrasound anywhere on the globe. In my capacity, as newly elected WFUMB President, it is an utmost pleasure to welcome you all to take part in the next two years ultrasound journey to bring us nearer to our ultimate goal: Ultrasound for All.

WFUMB's new officers are ready to work hard towards achieving this goal. The key persons, however, to be successful, are not us but YOU, the individual ultrasound person out there utilizing our fantastic tool as a health care provider of any expertise and on any level. You are the most important persons in this equation and I write you in the hope to inspire all of us to tune in on the same wavelength so we can work in unison and hopefully all draw both at the same time and in the same direction to bring ultrasound to the world.

The forthcoming term 2017-2019 also sees a change in WFUMB administration.

To diminish the issues with global time differences and enhance communication and effectiveness we have decided to move our physical administrative office to London and it is my utmost pleasure to announce that effective November 1st 2017. Ms. Lynne Rudd is our

new WFUMB Administrative Manager. Lynne will work closely with our new web manager Suzanne Cain of Kosmos Design and all of you who are familiar with EFSUMB and their website and the online educational material freely accessible there will appreciate the excellence of service we anticipate from our new administrative team and for our future WFUMB website. This also means a goodbye to AIUM administration who has taken care of our business throughout the last decade. We thank the staff at AIUM for all the good years and look forward to continuing and develop our good relationship in the future world of global ultrasound.

WFUMB administration and ExB are eager to continue our quest in fulfilling the purpose we set out to be our mission: WFUMB – bringing ultrasound to the world!



We will do this by continuing the hard work and dedicated efforts exerted by the previous Executive Bureau and Administrative Council under the superb leadership of our Past President Harvey Nisenbaum. In this connection, I want to direct a heartfelt thank you to all members of committees and council. You deserve our deepest credit and acknowledgment for your voluntary work and true dedication to our mission. WFUMB new leadership will follow the motto you and President Nisenbaum implemented: Bring sustainable ultrasound programs to underserved areas in the world through communication, collaboration and education.

”
US4ALL



FEDERATION REPORTS: ASUM Update

The Australasian Society for Ultrasound in Medicine (ASUM) continues to deliver to the membership for all aspects of ultrasound education.

The ASUM team and volunteers are busy working on examinations, conferences and CPD events to ensure exceptional educational offerings for physicians, sonographers and allied health professionals.

We would also like to acknowledge and thank all our sponsors who continue to support ASUM events in line with our mission to advance the clinical practice of diagnostic medical ultrasound for the highest standards of patient care.

In July the New Zealand branch of ASUM delivered a fantastic winter meeting in Christchurch,

a beautiful South Island city, which has been the scene of a number of devastating earthquakes over the past 5 years. The ultrasound community rallied with a record number of attendees due to the high quality program, which included a dedicated two-day cardiac stream.

The ASUM 2017 scientific conference was held at the beginning of October in Melbourne, which will be the venue of WFUMB 2019. The line-up of quality speakers willing to share their knowledge and expertise enticed a record number to attend and learn. The drawcard were our international faculty, which included Prof Christophe Dietrich as the WFUMB speaker, Prof Peter Burns, A/Prof Nick Raine-Fenning, Dr Jader Cruz and Dr Jacob Jaremkov.

The medical education stream went to a whole new level challenging the traditional 'teaching' methods. Two days of cardiac ultrasound again proved popular, as well as six alternate streams

to choose from, including O&G, vascular, paediatrics, general, MSK and PoCUS. The Gala dinner highlighted the social events, which kicked off with the Toshiba drummers and sake ceremony, and continued to be a celebrated evening.

The Annual General Meeting was held in accordance with the constitution. This finalised the changes to ASUM Council for 2017-18 as follows; A/Prof George Condous (President), A/Prof Fred Joshua (President Elect), Suean Pascoe (Secretary), Dr Philip Hung (Treasurer), Sue Davies, Rex de Ryke, Jo McCann, Dr Karen Mizia, Jody Fassina and Scott Graham.

ASUM is looking forward to hosting the 17th WFUMB Conference in Melbourne, 5-9th September 2019

Lyndal Macpherson CEO



ECHOES
WORLD FEDERATION FOR ULTRASOUND IN MEDICINE AND BIOLOGY

New Presidents Vision

WFUMB COEs - Ultrasound for All - US4All

During my term as WFUMB President I plan to continue our previous efforts of strengthening the focus on education and publications. We hope to bring our education activities to a position that will play a pivotal role in the countries and regions we enter. To this end we strongly rely on our existing 13 Centers of Education (COE), spread out over the world, and we plan to expand this number with new COEs over the coming years.

Our intention is to adjust the infrastructure of WFUMB leadership to enhance the function and guidance of these important efforts. Under the umbrella of Education Committee and with Odd Helge Gilja as chairman, we have created 3 new entities:

- 1) **WFUMB COE Task Force (Dieter Nürnberg, task force Director)**
- 2) **WFUMB E-learning Task Force (Adrian Goudie, task force Director)**
- 3) **WFUMB Student Education Task Force (Harvey Nisenbaum, task force Director)**

The WFUMB COE Task Force replaces the former COE Advisory Board but the COEs remain our most important measure of bringing ultrasound to the world with the local COE Directors being our highly treasured co-workers to achieve this goal.

In addition, the COE Task Force will include a regional Director from each federation, except for MASU where there will be two directors, one for English-speaking Africa and one for Francophone Africa.

Two federations, AIUM and ASUM, do not presently have any COE and it may not seem natural to set one up within their geographical area. If this is the case one idea could be to establish COEs in countries or areas culturally or geographically closely related to these federations. In the case of ASUM we are aware of such connections and activities involving ultrasound education e. g. at the Fiji Islands.

Sue Westerway, Past President, has accepted the position as the ASUM COE Task Force Director and will focus on this location.

The role of the WFUMB COE regional Directors will be of utmost importance. As well as supporting the existing COEs and their Directors in the endeavor to promote ultrasound in their country, they will also stimulate the creation of new COEs to reach out into new countries. The regional Director is responsible for continuous contact with each COE in the geographical area that his or her Federation covers. One specific task will be to build a personal relationship with each local COE director, including regular email correspondence about the COE activities.

The conduct of courses, report of activities and creation of new COEs is the responsibility of the Regional Director and supported by our WFUMB secretariat. In addition to the responsibility of overseeing COE activity, the regional COE Director will also be an ordinary member of Education Committee and will participate in EC meetings and communicate and report to the EC Chairman.

The regional COE Director is there to support you so if you have any ideas or ambition to establish a new COE in an underserved area somewhere on our planet, please contact them. There are a few prerequisites for establishing a COE, one of them being the existence of a multidisciplinary national ultrasound society in the country you wish to build a COE.

Please see exact information at

<http://www.wfumb.org/centers-of-education/>

We aim at having the regional COE directors play a strong role in this important leadership infrastructure and are happy to have the acceptance for each federation of a dedicated leader with genuine local support and in-depth knowledge as follows:

Director of the AFSUMB COE Task Force:

Byung Choi, Korea.

Director of the FLAUS COE Task Force:

Leandro Fernandez, Venezuela.

Director of the EFSUMB COE Task Force:

Ioan Sporea, Romania.

Director of the MASU Francophone COE Task Force:

Hassen Gharbi, Tunisia.

Director of the English-speaking MASU COE Task Force:

Sudhir Vinayak, Kenya.

Director of ASUM COE Task Force:

Sue Westerway

My 2017-2019 goal for the WFUMB COE program is to establish one new WFUMB COE in each of our 6 member Federations.

If possible, these new COEs should be economical neutral by working together with the WFUMB Collaboration Committee to set up sponsorship through collaboration with charity foundations, NGOs or industrial partners. This is not a prerequisite, merely an intention.

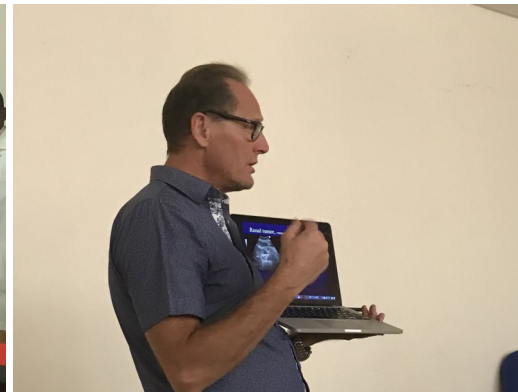
Aside from this new infrastructure of Education Committee, the overall WFUMB structure will continue with the same number of committees and I am happy to have the acceptance of a highly qualified WFUMB officer for each committee as it appears from the WFUMB 2017-2019 Chairman Diagram on the WFUMB website.

US4ALL

For the first time a post graduate ultrasound course was held in Gondar Ethiopia from November 13th-17th

ULTRASOUND ~ the Gondar experience

Caroline Ewertsen, MD, PhD



The course was established in collaboration between WFUMB, RAD-AID, the Norwegian National Centre for Ultrasound in Gastroenterology (NCUG)(Bergen) and the Ethiopian Society for Internal Medicine. Previously, 3 courses in ultrasound have been arranged in Ethiopia in collaboration with WFUMB and others.

Forty-five medical doctors from several specialties (OB/GYN, gastroenterology, radiology etc.) coming from the University Hospital in Gondar and Black Lion Hospital, Addis Ababa attended the course. Few had previous experience with transabdominal and gynecological ultrasound. The faculty consisted of Dr. Christian Nolsøe (WFUMB), Odd Helge Gilja (NCUG), Dr. Zenahebezu Abay (Gondar), Dr. Amir Sultan (Ethiopian Society for Internal Medicine), Dr. Torben Larsen (gynecology), sonographer Joan Swan (RAD-AID), and Dr. Caroline Ewertsen (radiology). The first four days the participants had different theoretical lectures in the morning and early afternoon followed by 2 hours of hands-on scanning in 5 groups each day.

The local faculty arranged with patients, who were then scanned by the attendants supervised by a faculty member. Two conventional ultrasound systems were available on site and RAD-AID and WFUMB had brought 4 hand held devices with them, all kindly provided by Philips. This showed up to be very convenient during the power breakdowns, where no electricity was available in the examination rooms.

Also WFUMB president Nolsøe was very creative holding some of his lectures without any slides, others with his laptop in his hand due to the power breakdown.

Sonographer Joan Swan from RAD-AID assisted with hands-on and stayed two weeks after the course providing hands-on training. All attendants were eager to learn more and participated in the discussion after the lectures as well as during the hands-on training.

NCUG has participated in educating gastroenterologists in endoscopy and ultrasound at the Black Lion Hospital, Addis Ababa for the last 6 years and two of the doctors from this hospital already had very good skills. Ethiopia is a beautiful country with beautiful and kind people and well-educated medical doctors. Taking unstable power supply into account ultrasound has a strong potential as imaging modality, especially with hand-held devices that does need continuous power supply. After this first ultrasound course a solid fundament for future education in ultrasound is laid, and hopefully further courses will follow.

I kindly wish to thank all the participants as well as the local and international course organizers.



FEDERATION REPORTS: MASU Update

During the last 6 months MASU Board has been working on finalizing the MASU biennial meeting scheduled to be held in Naples, Italy in conjunction with the Italian Society of US, SIUMB.



Several Italians Experts are involved in the MASU activities since the beginning in 1986. We are still in discussion with the SIUMB Board.

Some of our Society members organized their annual Congresses such as The Tunisian Society of Ultrasound, STED, held its Congress on 28th of October 2017, attached is the poster; and KESUMB, Kenyan society of US held a meeting in June 2017.

We are working to promote the WFUMB flag, through the Nairobi COE midwives project and Lagos COE GE project. We are also part of Afrosafe project through the African Society of radiology, and European Society of Radiology auspices.



Hassen A. Gharbi
MASU Administrative Council
WFUMB Board 2017-2019



FEDERATION REPORTS: EFSUMB Update

EFSUMB is working hard to fulfil our mission to build a European Ultrasound Community. Education is the most significant aspect of all EFSUMB activities and members and leaders of EFSUMB are engaged in providing new material and improve teaching and training all over Europe, and even to places far outside Europe.

The Euroson Congress

The Euroson congress is the absolute EFSUMB highlight of the year with an up-to-date program for science and education and it constitutes a vibrant, interdisciplinary meeting place for all stakeholders of ultrasound. The EUROSON congress in September 2017 took place in Ljubljana, Slovenia. The 29th Euroson Congress had an exciting program with approx. 600 participants. This congress was arranged by EFSUMB and the Turkish Ultrasound Society (TUDS) under the leadership of Adnan Kabaalioglu. The 30th Euroson Congress is taking place next year 6.-9. September in Poznan, Poland. See *image 1*.



Image1: The new EFSUMB President Paul Sidhu (left) has just received the President medal from Past-President Odd Helge Gilja (right) at the hand-over ceremony at the Euroson Congress in Slovenia.

EFSUMB Webinars

The series of webinars is a flexible and popular way to run seminars on various ultrasound themes. So far, EFSUMB has organised 8 webinars, the first in 2015, and the last one in September 2017 was on elastography of the liver. Please, stay tuned on our web-site <http://www.efsumb.org> to be informed about upcoming webinars.

European Journal of Ultrasound / Ultrasound International Open

EFSUMB is proud of our journal, which is sound and vivid with lots of highly cited papers. EJU is the most widely read interdisciplinary ultrasound journal in Europe. Its current Impact Factor (3.9) is higher than any other ultrasound journal worldwide.

Ultrasound International Open is a fairly new open access journal and receives many articles rejected by the EJU and is now registered in PubMed Central with over 150 articles that can be downloaded for free in PDF format.

Odd Helge Gilja

EFSUMB Past-President 2015-2017

EFSUMB guidelines and clinical recommendations

The world's first guidelines on gastrointestinal ultrasound (GIUS) was recently released by EFSUMB. An EFSUMB Task Force Group (TFG) with experts from all over Europe is constantly working to make more GIUS guidelines and the next topic will be ultrasound in IBD, which has been submitted and soon will be published in EJU. Other GIUS guidelines planned are: Inflammatory conditions, transrectal/perineal US, miscellaneous, and functional US. Furthermore, previous EFSUMB guidelines are continuously being updated. The EFSUMB guidelines on liver elastography has just been published. The update on non-liver CEUS guidelines is finalized and soon to be published. The work on the second part of elastography guidelines (non-liver) has started and a consensus conference is planned for February 2018 in Frankfurt.

EFSUMB Student Committee

EFSUMB has now included students more closely under the EFSUMB umbrella by establishing a student committee. The new EFSUMB Student Committee (ESC) was elected at last Euroson Congress and is working to stimulate integration of ultrasound teaching and training in medical education of students and to plan student activities and teaching sessions at the EUROSON congresses.

Ultrasound Learning Centres

EFSUMB Ultrasound Learning Centres (ULC) is established in 7 renowned ultrasound locations around Europe: Timisoara, Neuruppin, Cluj-Napoca, Bergen, Madrid, Pavia and Zurich. At these excellent teaching sites, participants can spend a period of time to learn and improve their competence in many applications of ultrasound.

Euroson Schools and Endorsed Courses

EFSUMB has now organised over 130 Euroson Schools across Europe, thus giving a large contribution to the dissemination of ultrasound education and hands-on training. Last year EFSUMB approved 12 Euroson Schools and 15 endorsed courses covering aspects like MSK, vascular, rheumatology, CEUS applications, paediatrics, chest and hepatology. The first Euroson School ever in Russia was arranged in Moscow in May 2017 on the subject of CEUS and it was very well attended. The local organizer Prof. Mitkov did a great job covering very well all aspects of this post-graduate course. See *image 2*.



Image2: The international faculty of the successful Euroson School in Russia is gathered outside Kremlin, Moscow.



WFUMB 2017 TAIPEI



The 16th WFUMB Congress (WFUMB 2017 TAIPEI) had been successfully conducted from Oct 13 to Oct 17, 2017, at the Taipei International Conference Center, Taipei, Taiwan.

There were 2425 participants from 46 countries attending the congress. The scientific program consisted of 541 invited speeches, 261 oral presentations and 223 posters. The presentations were classified into 21 Tracks according to different subspecialties. The organizing committee offered 3 kinds of awards to the winners of the oral and poster presentations.

At the congress, Prof Nisenbaum and Prof Nolsøe organized a WFUMB Education Program, addressing the issues of global status of ultrasound in medical school education, lessons learned in training in develop countries as well as challenges and solutions to provide ultrasound equipment to medical schools and medical students.

The attendants enjoyed the scientific program very much and appreciated the warm hospitality of the hosting society, the Chinese Taipei Society of Ultrasound in Medicine.

Cheng-Wen Chiang, MD., FAPSC, FACC
Co-President, WFUMB 2017 TAIPEI
Chairman, Organizing Committee,
WFUMB 2017 TAIPEI

Yi-Hong Chou, MD., Chairman of International
Liaison Committee, WFUMB 2017 TAIPEI

The Best Oral Awards went to :

Hiroko Yaegashi (Japan), Eriko Tohno (Japan), Yao-Wen Kuo (Taiwan), Andrew McNeill (United Kingdom), Chun-Li Wang (Taiwan), San-Kan Lee (Taiwan), Hong Ding (Chinese Mainland), Yueh-Ping Liu (Taiwan), Koji Takebe (Japan), Xianfeng Guo (Chinese Mainland), Heng-Kien Au, Chia-Hung Wu (Taiwan), Jeng-Wen Chen (Taiwan), King Hei Stanley Lam (Hong Kong), Ming-Yen Hsiao (Taiwan), Flaviu Bob (Romania), Ying-Qi Xing (Chinese Mainland), Elena Feoktistova (Russia), Ren Koda (Japan), and Kin Hung Liu (Hong Kong); the Best Poster Awards to Hye Won Kim (South Korea), Shy Yunn Goh (Singapore), Ji Soo Choi (South Korea), Yi-Ching Liu (Taiwan), Yuji Eso (Japan), Qian Yang (Chinese Mainland), Eun Joo Yun (South Korea), Cheng-jen Chen (Taiwan), Dar-In Tai (Taiwan), Wan-Ching Lien (Taiwan), Satoru Fukumoto (Japan), Eliza Morada (Singapore), Sung Bin Park (South Korea), Hyo Won Eun (South Korea), Satomi Omotegara (Japan), Li-Jen Liao (Taiwan), Wu-Huei Hsu (Taiwan), Sun Young Lee (South Korea), Mao-Hsiung Huang (Taiwan), Wen-Shiuan Shih (Taiwan), Min Hoan Moon (South Korea), Yi-Mei Wang (Taiwan), Hyun Hae Cho (South Korea), Ting-Chuan Li (Taiwan), and Ki Seok Choo (South Korea) ; and the Young Investigator Awards to Jin Bum Kang (South Korea), Shanling Yang (Chinese Mainland), Yang Sun (Chinese Mainland), Wan-Fu Hsu (Taiwan), Keziah Sully (United States), Yuko Kanayama (Japan), Chia-Ching Chen (Taiwan), Yi-Jhih Tsai (Taiwan), Xihua Lian (Chinese Mainland), Surachate Siripongsakun (Thailand), Chun-Nan Chen (Taiwan), Ming-Jen Ke (Taiwan), Christian Fischer (Germany), Masatomo Kaneko (Japan), Shin-Joe Yeh (Taiwan), Xiaoju Li (Chinese Mainland), Dong Hwee Kim (South Korea), and Xi Chen (Chinese Mainland).





FEDERATION REPORTS: AIUM Update (November 2017)

The American Institute of Ultrasound in Medicine (AIUM) has had an active several months since the annual convention this past April in Orlando.

There has been a continued effort to update and expand its website to provide more services to members. The website now has an almost inexhaustible amount of educational materials and ultrasound resources for the many different disciplines that make up the AIUM member community. Additionally, the website is an ever-increasing utility for those outside of AIUM seeking information regarding ultrasound use, policy, standards and research in North America.

One of AIUM's significant services to the ultrasound community at large and to our patients is the continued development and promulgation of clinical guidelines. New guidelines approved by AIUM in the past 6 months include: Training Guidelines for Physicians Who Evaluate and Interpret Diagnostic Obstetric Ultrasound Examinations, Training Guidelines for Physicians Who Evaluate and Interpret Diagnostic Abdominal/General Ultrasound Examinations, Training Guidelines for Physicians Who Evaluate and Interpret Diagnostic Breast Ultrasound Examinations, Training Guidelines for Physicians Who Evaluate and Interpret Diagnostic Thyroid/Parathyroid Ultrasound Examinations, Training Guidelines for Physicians and Chiropractors Who Perform Ultrasound-Guided Musculoskeletal Interventional Procedures and Training Guidelines for Physicians Who Perform Ultrasound-Guided Regional Anesthesia among others.

The AIUM has also continuing to create and present webinars including focused echocardiography and point of care ultrasound in the office setting. These have been a great way to not only provide important services and education to AIUM membership but also to reach out to a new community of users in point of care ultrasound and increase their involvement in the AIUM.

The second annual course on Point of Care Ultrasound was held at the Oregon Health Sciences University in July and was a resounding success. The course reached out to an emerging community of ultrasound users, internal medicine providers. Similarly, the AIUM is continuing to help organize and direct an annual ultrasound preconvention course for the American College of Physicians – the largest single specialty physician association in the United States, representing internal medicine. AIUM's journal, the Journal of Ultrasound in Medicine (JUM) has a massive number of articles now available as open access. Once articles are 12 months post publication they are available without cost. JUM's rejection rate continues to climb, a reflection of the increasing quality of published articles as well as increasing submission rates from around the world.

Registration is now open for the 2018 AIUM annual convention to be held in New York City from March 24-28, 2018. The AIUM convention always sees a large turnout when it is held in the "Big Apple" and expectations are also high for 2018. The 2018 annual convention is bigger and more diverse than ever with educational, research and other offerings for dozens of different specialties and fields of interest in ultrasound. The Plenary speaker will be John Lawrence, MD who is the president of the board of directors of Doctors Without Borders and he will be discussing his work for the organization, its mission and being a "Humanitarian Health Care Provider".

The annual 41st Annual Advanced OB-GYN Ultrasound seminar registration is now open for registration as well and will be held February 14-17, 2018 in Orlando Florida. This has grown to be one of the largest recurring courses of its kind in existence and continues to grow and offer up to date education to a variety of ultrasound specialists.

More information on these and multiple other projects and topics AIUM is currently undertaking please visit the website.

Michael Blaivas, MD, MBA, FACEP, FAIUM



FEDERATION REPORTS: FLAUS Update

FLAUS CONGRESS July 13 - 15 2017 was held in INRAD - São Paulo, Brazil

During the congress, the FLAUS Assembly was held and the new Board of Directors was elected.

- Jorge Rabat - President - Venezuela
- Edda Chaves - Secretary - Venezuela
- Fernando Huerta - Treasurer - Peru
- Luis Fernando Chavarría Estrada - Past President - Costa Rica
- Antonio Carlos Matteoni de Athayde - President Elect - Brazil