

Beaming :))

With ISUOG Basic Training

ISUOG Basic Training Newsletter Issue 2

Athens IS 2018

Spring Forward with ISUOG Basic Training!

ISUOG Basic Training has had a most exciting start to 2018 and has welcomed Spring with the brightest outlook! Early on in the year, the final chapter of the Basic Training Theoretical Curriculum was completed with the “Gynecological” course that was delivered in Rotterdam, the Netherlands. The outstanding course was delivered by stellar faculty in the most beautiful backdrop of Rotterdam with its futuristic architecture, and our host, Erasmus University with its magnificent medical school. The course was live-streamed around the globe and a simulation workshop ensued introducing our trainees to the newest up-and-coming simulators. The entire Basic Training Theoretical Curriculum is now complete and is [available online](#), open access, for all. For more details on our theoretical curriculum, visit page 2 of Beaming. However what distinguishes the ISUOG Basic Training Approach is that it not only provides a standardized theoretical curriculum, but it also provides a practical curriculum that incorporates simulation-based training. Currently, our Task Force’s primary focus is the completion of our practical curriculum, with its various components in order to make it available in time for our World Congress in Singapore. This shall ultimately allow the creation of ISUOG-specific modules on the various simulators in order to ensure optimal wide-spread standardized practical training around the world. Details on our simulation workshops are available on page 3. Where to next? The future is most exciting as we spring forward into a comprehensive Basic Training experience for our growing number of international trainees: we have already had nearly 2000 trainees partake in various Basic Training activities! With this, we invite you to join our growing family working towards the ultimate goal of providing the best possible training to all probe-handlers in order to ensure safety, improve diagnostic abilities, safeguard our mothers and have the best possible outcome for the future generation. Together, we can spring forward to a healthier future...

Reem S. Abu-Rustum



Course delegates from the satellite event in Tunis

Basic Training in gynecology,
16 - 17th Feb 2018
Delegate testimonials

“Excellent and very educational course for beginners. It motivates me to learn more and improve myself.”

Adriana Konjovic

It was a successful event and participants are already asking when the next event will be held. The lectures were well structured and superbly delivered. The pretest exposed our gap in knowledge and the post test shows how much we had learnt from the training.

Tolani Oduwole, host of satellite in Sagamu, Nigeria

In this issue

- Spring Forward p.1
- The history of ISUOG’s Basic Training Program in Obstetric & Gynecological Ultrasound p.2
- Simulation update p.3
- Upcoming events p.4



Basic Training Theoretical Curriculum

The history of ISUOG's Basic Training Program in Obstetric & Gynecological Ultrasound

Titia Cohen-Overbeek and Trish Chudleigh

The Basic Training program from ISUOG was started as a one day course prior to the World Congress in Copenhagen in 2012 and continued until the World Congress in Montreal in 2015. Following an ISUOG summit on education in London in the summer of 2016 it was decided to adapt the theoretical component of the Basic Training program to a 4 day course. The lectures now cover all the requirements established by the ISUOG Education Committee recommendations for basic training in obstetric and gynecological ultrasound as published in *Ultrasound in Obstetrics and Gynecology* in 2013.



Delegates at the BT course in Vienna, 2017

In addition, the program reflects the relevant components of the ISUOG Practice Guidelines for Performance of the Routine Mid-Trimester Fetal Ultrasound Scan published in 2011 "*Ultrasound Obstet Gynecol* 2011; 37: 116–126", the ISUOG Practice Guidelines: performance of first-trimester fetal ultrasound scan, published in 2013 "*Ultrasound Obstet Gynecol* 2013; 41: 102–113" and the ISUOG Practice Guidelines: use of Doppler ultrasonography in obstetrics, published in 2013 "*Ultrasound Obstet Gynecol* 2013; 41: 233–239".

A program of 35 standardised lectures has been created with all presentations starting with clear learning objectives and key questions and ending with key points summarising the most important aspects of each lecture. The majority of lectures comprise 30 slides and have been prepared to last 30 minutes. A small number have been prepared for delivery over 45 minutes.

Day one of the four days introduces the trainee to the important subject of physics, followed by knobology, the principles of Doppler, quality control processes of operators

and programs, informed consent and report writing, together with two lectures in which normal and abnormal gynecological ultrasound findings are summarised. The second day is an obstetric day starting with the 6 steps approach to an abdominal ultrasound examination followed by topics covering biometry, assessment of placenta, amniotic fluid, growth assessment in singletons and twins and finishing with ultrasound in labour. The third day concentrates on fetal anomalies and the new 20 planes approach to examining the fetal anatomy. The last day is dedicated to gynecological ultrasound with separate lectures on the endometrium, myometrium, adnexa and ovaries, concluding with management of abnormal findings in the female pelvis and writing the report.

Various of the lectures have been presented at a number of ISUOG meetings throughout the world over the past three years. The fetal anomalies programme was presented for the first time at the World Congress in Vienna, 2017 while the gynecological ultrasound programme was presented for the first time in February 2018, in Rotterdam, the Netherlands.

671 people in person have attended 11 meetings where part of the Basic Training program has been presented. In addition, programs have been live streamed to 60 locations in the world, allowing an additional 1,913 people to participate in the programs at the same time as the 'face to face' delegates. All lectures can now be reviewed on the ISUOG website, on demand and at no cost. Having completed the theoretical lecture component of the Basic Training program our next step is to establish the requirements for the practical component of the Basic Training program.



Titia Cohen-Overbeek giving a talk in Vienna, 2017

ISUOG's Simulation Workshops



"Excellent close communication with experts." Delegate feedback

Join us in Singapore

ISUOG's next Basic Training simulation workshop will take place at our World Congress in Obstetrics and Gynecology in Singapore, in October. 2018. For more details visit our website at www.isuog.org



28th World Congress on Ultrasound
in Obstetrics and Gynecology
20 – 24 October 2018, Singapore

Incorporating ASUM 2018

Simulation

The future of ultrasound training

Gihad Chalouhi and Martin Tolsgaard

Over the past decade, ultrasound simulators have been increasingly used as an adjunct to clinical training in Obstetrics and Gynaecology. Studies have shown that providing initial simulation-based ultrasound training leads to sustained improvements in clinical performance including improved diagnostic accuracy, reduced need for supervised practice, and decreased patient discomfort. Simulation training also eliminates the problems of time constraints in a clinical setting and the difficulty of performing intimate examinations on patients. The ISUOG Basic Training Task Force has been working with representatives from different simulator manufacturers to develop a practical component of our Basic Training courses. During the BT courses in Rome, Vienna, and Rotterdam, participants were offered the opportunity to develop their practical skills on a variety of commercially available virtual-reality simulators, supervised and supported by ISUOG experts.

These workshops proved very popular and feedback from delegates was highly positive. Many experienced initial difficulties in orientation and adapting to the equipment. However by the end of the simulation workshops, delegates reported that they had learned a better and more structured approach to performing ultrasound examinations and felt more aware of future learning goals. At the most recent simulation workshop in Rotterdam, 37 delegates explored gynecologic ultrasound using 3 different simulators; their time was divided between sessions guided by experts in the field and self-guided 'free-style' learning, to allow them to practice their new skills at their own pace. Delegates gave the course an approval rating of 6.36 out of 7, and 96% said they would definitely recommend simulation training to a colleague. Responses to the practical components of the course also reflected a desire for more training relating to 3D ultrasound.

We think, and time will prove, that simulators are valuable educational instruments when it comes to training in obstetrical and gynecological ultrasound. We hope to see you all at our next simulation workshop at the World Congress in Singapore, to experience and benefit from simulation yourselves.

With thanks for the support of



Upcoming events in 2018

27 - 30
Sept

**Basic Training Course (Full theoretical curriculum)
In Chennai, India**

20th
Oct

**Basic Training Course: A Practical Approach to the Ob/Gyn Ultrasound Exam
At the 28th World Congress in Singapore - Onsite and livestream**

Oct
2018

**Stay tuned for: Basic Training 'Train the trainers' workshop
At the 28th World Congress in Singapore - more details to follow at www.isuog.org**

Titia Cohen-Overbeek



Gihad Chalouhi



With thanks to our
contributors



Reem Abu-Rustum



Martin Tolsgaard



Trish Chudleigh

Contact us

For more information
about the ISUOG Basic
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attend an upcoming
Basic Training Course in
person or via live-stream,
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Visit us on the web at
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Free Trainee Membership

ISUOG is proud to offer a [free 2-year trainee membership](#) to support international trainees beginning their careers in ultrasound for obstetrics and gynecology through partner institutions. After two years, trainees are also able to renew for £60, instead of the regular £115 for Journal membership.

Trainee membership benefits include: online subscription to Ultrasound in Obstetrics and Gynecology (UOG), the Society's official journal; 400+ web lectures and webcasts from ISUOG education courses; CME credit from anywhere in the world, via ISUOG's online CME platform; access to World Congress presentations and video lectures via ISUOG OnDemand; access to VISUOG: a visual encyclopedia for ultrasound in obstetrics and gynecology; access to online fetal biometry calculators; regular e-newsletters; ISUOG Book Club: 20% discount on Wiley-Blackwell books; reduced fees to the ISUOG World Congress, educational courses, and International Symposia. Trainee membership is offered only through institutional partnerships via trainee coordinators and not on an individual basis. ISUOG has trainee partnerships with over 50 institutions in over 30 countries. Find out whether your institution offers trainee membership with the full list of trainee partnerships on the ISUOG Website.

