



28th World Congress on Ultrasound in Obstetrics and Gynecology

20 – 24 October 2018, Singapore

Incorporating ASUM 2018

Final Program

Up to 34 CME credits



Join the Congress conversation
#ISUOG2018



Welcome to ISUOG!


As a Congress delegate, you receive one year of Basic ISUOG membership. Please check your details in **My isuog** (www.isuog.org).

Take a moment to visit us at the ISUOG lounge to find out more about the exciting opportunities available to you as an ISUOG member during the Congress and throughout the year.



Upgrade your membership at the Registration desk or on our website to include a subscription to our Journal *Ultrasound in Obstetrics and Gynecology*.

Online learning

- 500+ web lectures and webcasts from ISUOG education courses
- CME platform for continuing education; earn CME credits online
- 1500+ World Congress presentations via ISUOG On Demand
-  **visuog**: a visual encyclopedia for ultrasound in obstetrics and gynecology

Reduced fees to ISUOG events

- 29th ISUOG World Congress in Berlin, Germany, 12-16 October 2019
- 15th ISUOG International Symposium in São Paulo, Brazil, 12-14 April 2019
- ISUOG's intensive education courses

Regional education

- Opportunities to participate in:
 - ISUOG approved courses
 - Satellite education
 - Outreach projects

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of members
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ISUOG!



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join the conversation **#ISUOG2018**



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G. Condous, *Australia* (ASUM)

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G. Mouterde, Event Manager
I. Hanley Timmins, Event Coordinator
W. Holloway, Operations Manager

Congress venue

Sands Expo and Convention Centre at Marina Bay Sands.

10 Bayfront Avenue, Singapore 018956
+65 6688 8868

www.marinabaysands.com

Welcome to Singapore

We are delighted to welcome you to Singapore for the 28th World Congress on Ultrasound in Obstetrics and Gynecology in partnership with the Australasian Society for Ultrasound in Medicine (ASUM).

As one of the most culturally diverse and dynamically progressive cities of the world, Singapore is the perfect destination for our internationally renowned forum for education, research and networking for imaging professionals.

This is the largest ISUOG Congress outside Europe and with record numbers of abstracts and attendees, it promises to reflect the quality and diversity of the host city.

This year we will be additionally offering some exciting new opportunities including Coffee Connect networking, a certificate in the First Trimester, Mandarin translation, a trainee workshop run by WATOG, the Basic Training: train the trainer session, and piloting the live streaming of the main program on Monday 22 October as well as much more.

This promises to be an enriching event and we hope you enjoy both the Congress and the city!



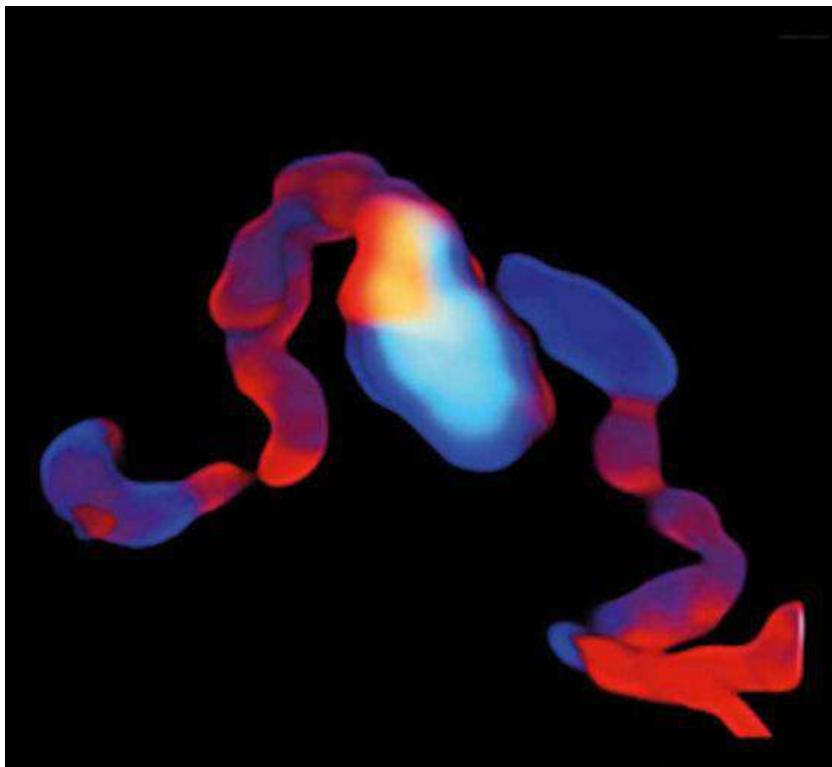
George Yeo
Congress Chair
ISUOG



George Condous
Congress Chair
ASUM

GENERAL INFORMATION

ISUOG 2018

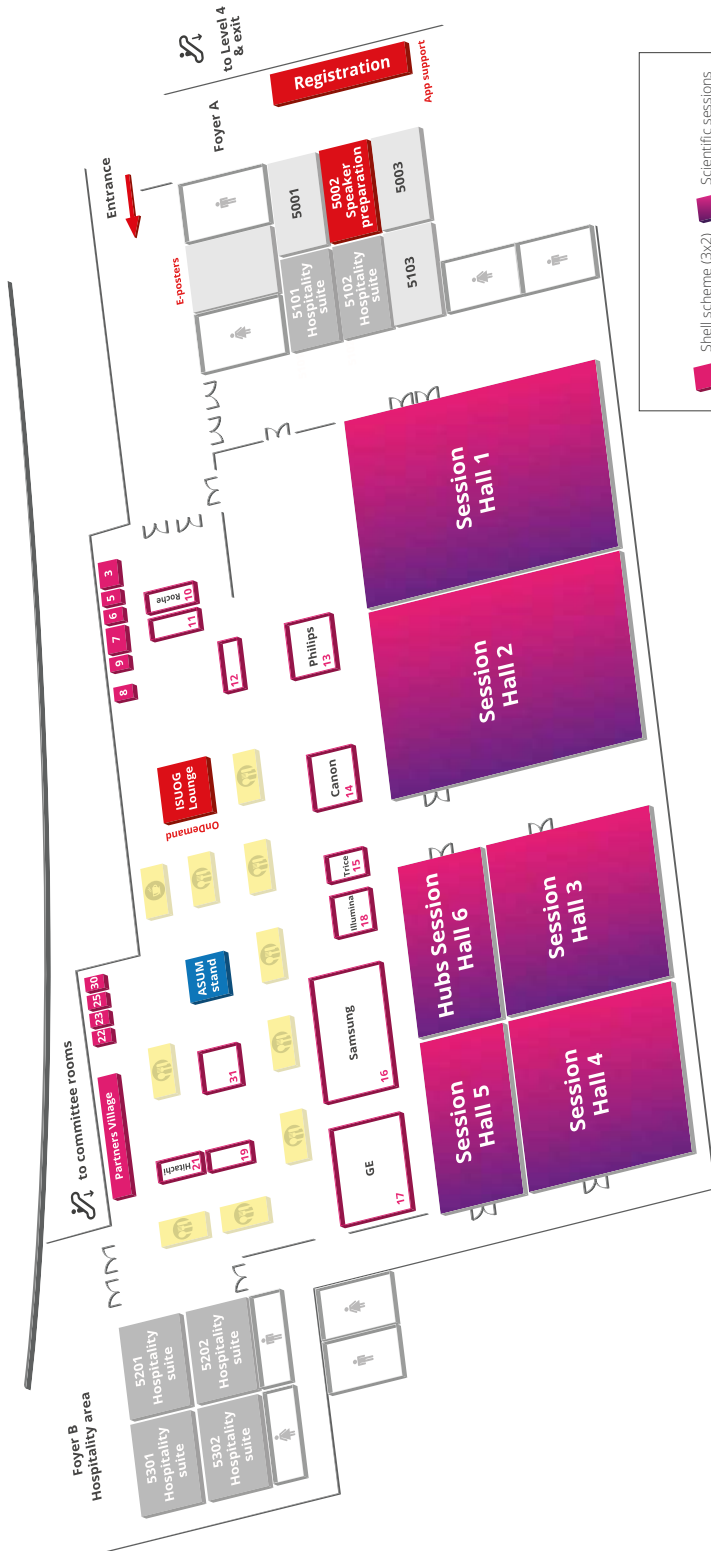


September 2018

High-definition flow Doppler image of uterine artery pseudoaneurysm.

Ludwin A, Martins WP, Ludwin I. Ultrasound Obstet Gynecol 2018; 52: 413–415.

Venue floor plans



	Shell scheme (3x2)		Scientific sessions
	Free build		Hospitality suites
	Catering		ISUOG

Please see page 107 for exhibitor listing.

Opening times

Registration

Saturday 20 October	07:15 - 11:00	(Pre-Congress course registration only)
	11:00 - 17:00	(Congress registration opens)
Sunday 21 October	07:15 - 17:00	
Monday 22 October	07:00 - 17:00	
Tuesday 23 October	07:00 - 17:00	
Wednesday 24 October	07:00 - 16:00	

Saturday: The registration desk is located on the fourth floor of the Sands Expo Convention Centre in room 4D.
From Sunday: The registration desk is located on the fifth floor of the Sands Expo and Convention Centre.

Exhibition

Sunday 21 October	10:00 - 19:30
Monday 22 October	09:00 - 16:00
Tuesday 23 October	09:00 - 16:00
Wednesday 24 October	09:00 - 16:00

The exhibition is located on the fifth floor of the Sands Expo and Convention Centre.

Speaker preparation room

Saturday 20 October	07:00 - 17:00
Sunday 21 October	07:00 - 17:00
Monday 22 October	07:00 - 17:00
Tuesday 23 October	07:00 - 17:00
Wednesday 24 October	07:00 - 16:00

With grateful acknowledgment of our sponsor for the speaker preparation room:

illumina[®]

The speaker preparation room is located on the fifth floor, room 5002. If you have submitted your presentation, you do not need to go to the speaker preparation room. If you need to upload or edit a presentation, please make your way to this room as early as possible on the day.

General information



AGM

All ISUOG members are invited to attend the AGM. This takes place on Sunday 21 October in Session Hall 1 from 09:45 to 10:25.



App

Stay up-to-date with what's going on at the Congress by downloading the ISUOG Congress app. Go to the App store or Google play and type 'ISUOG 2018'. You'll be able to create a personalised agenda, engage with other attendees, read all the abstracts, post on social media as well as have your say by rating, voting and filling out surveys.



Awards

At the Closing ceremony we will be announcing the winners of the:

- Top abstract
- Young Investigator prize
- Best presentations in each topic



Badges

Please wear your name badge at all times; you will need this to gain admission to the sessions or exhibition area. Please note, our staff members are instructed not to permit entry without a badge, so please understand if you are asked to return to the registration desk.



Full delegate



ISUOG Board



Faculty



Exhibitor (*access to exhibition areas only*)



Staff



Day delegate (*with day printed*)



Accompanying person
(*no access to scientific sessions*)



Cash machines

There are several banks (POSB, DBS, UOB, OCBC) around MBS with ATM services.

There is a Money Exchange store called 'Far East Exchange' which offers exchange rates to guests of Marina Bay Sands. It is located at Level 1, unit 06, as well as Basement Level 1, unit 03.



Catering

Catering is provided by the Marina Bay Sands. Tea, coffee and light lunches will be served in the exhibition hall from Sunday lunch time until the conclusion of the Congress on Wednesday, excluding build and breakdown times.



Certificates of attendance

To receive your certificate of attendance you will need to complete a Congress evaluation form which will be emailed to your registered email address. If you have any questions, please ask at the registration desk.

The First Trimester certificate, pre-Congress course and Basic Training certificate will be sent to the attendees who took part in these programs **after** the Congress.



CME

ISUOG is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS).

The 28th World Congress on Ultrasound in Obstetrics and Gynecology is designated for a maximum of 34 hours of European external CME credits. Your badge will be scanned at session hall entrances for CME accreditation. Each medical specialist should claim only those hours of credit that they actually spent in educational activity. Through an agreement between the European Union of Medical Specialists and the American Medical Association, physicians may convert EACCME credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME credit to AMA credit can be found at www.ama-assn.org/go/internationalcme. Physicians from India, Malaysia and China will be able to self-certify with their national regulatory bodies to claim equivalent CME credits.

For ASUM CPD you may claim 1 CPD point per 1 hour of educational activity under Category 1A.



Co-authors

Please note that only the presenting author is listed in the event program. The names of the co-authors can be found on the ISUOG app, the online On Demand stations and in the abstract book.



Data protection

If you do not wish to receive further information about the 28th World Congress on Ultrasound in Obstetrics and Gynecology, please contact ISUOG and request that your name be removed from the mailing list.



Disclaimer

All best endeavours will be made to present the scientific and social programs as printed. However, the 28th World Congress on Ultrasound in Obstetrics and Gynecology and its agents reserve the right to alter or cancel without prior notice any of the arrangements, timetables, plans or other items relating directly or indirectly to the Congress, for any cause beyond its reasonable control. The Congress and its agents are not liable for any loss or inconvenience caused as a result of such alterations.



Electronic posters (EPs)

All Electronic posters (EPs) and recorded Congress talks will be available at the ISUOG On Demand stations which are located at the ISUOG Lounge.



First aid

Should you require medical assistance during the Congress hours, please contact the registration desk or the nearest ISUOG member of staff who will be able to assist you.



Lost property

Please hand any lost property to the staff at the registration desk where it will be made available for collection.



Mobile phones

Throughout all of the Congress lectures, workshops and activities, ISUOG request that all mobile phones are kept on silent. Please also ensure that screen resolution remains low, to prevent disturbing any other delegates and speakers.



Official language

The official language of the Congress is English. There will be simultaneous interpretations into Mandarin in Hall 1 all day on Monday. For more information please see the Congress app.



Prayer room

There is a prayer room available. Please see the Congress app or approach a member of staff for details.



Parking

Attendees can use the public car parking at Marina Bay Sands on a first-come-first-served basis at the prevailing car parking rates and according to the official operating hours. Please note that clearance height is 2.2 meters. For more information about getting to the Marina Bay Sands, please visit the hotel website: www.marinabay Sands.com



Recordings and photographer

All sessions are available to delegates and ISUOG members after the Congress, through the ISUOG On Demand web portal. Other audio or video recording or taping is strictly prohibited in the sessions, unless prior consent has been arranged with ISUOG Secretariat. ISUOG has arranged for a photographer to capture all aspects of the Congress. If you do not wish to be photographed, please notify the photographer as they are walking around the event.



Smoking policy

Smoking is not permitted in the building.



Speaker preparation room

The Speaker preparation room is located on level 5, room 5002.



Star rating

On the Congress app, you will be able to give each session you attend a star rating. Our session chair will remind you of this throughout the event.



Tickets

If you have purchased a ticket for the Congress party or if you have bought an additional Opening ceremony and Welcome drinks pass, tickets will be given to you when you collect your badge from Registration. If you lose your tickets for the Congress party please inform the ISUOG Registration. Tickets are selling fast for the Congress party so please check at Registration if there are any available.



Wi-Fi

Sands Expo & Convention Centre offers free Wi-Fi service for the general public. This is an unlimited complimentary service. Simply select the "MICE HOTSPOTS" from the networks to get connected.

Social program

Sunday 21 October 2018, from 17:30

Opening ceremony and Welcome drinks - Sands Expo and Convention Centre, Level 5, Session Hall 1 and exhibition

Bringing good luck for the coming Congress and scaring away any evil event spirits, our Opening ceremony this year will be the celebrated Asian lion and dragon dances accompanied by musicians. This traditional performance with a modern twist will take place directly after our plenary lectures and will lead on to our Welcome drinks, which provides an excellent occasion to discuss the days to come.



With grateful acknowledgment to our sponsor for this event:

Canon
CANON MEDICAL

Tuesday 23 October 2018, 18:30-23:00

Congress party - Chinatown Food Street

Join us for a truly authentic experience at the famous hawker centre (food market) in the heart of the city. Chinatown Food Street is the perfect opportunity to relax with friends, try Singapore's famous tasty food and experience its dynamic culture with live demonstrations. There will be over 20 food stalls to choose from, offering the city's signature cuisines such as Chinese, Indian, Malay and much more. The glass roof makes it a perfect outdoor dining spot whatever the weather and our excellent DJ will accompany the whole event.



With grateful acknowledgment to our sponsor for this event:

PHILIPS

Wednesday 24 October 2018, from 16:50

Leaving drinks reception - Sands Expo and Convention Centre, Level 5, Foyer A

To celebrate the end of a successful Congress and to look forward to the 2019 World Congress in Berlin, we invite all attendees to join us for our German-themed leaving drinks. Meet our next Congress Chairs Prof Rabih Chaoui and Prof Kurt Hecher and see find out how you can get involved.



Travel Grant winners

We would like to congratulate our Travel Grant winners and wish them a warm welcome to Singapore.

Dr Ahmed Ahmed

Dr Ahmed Ahmed is an obstetrician and gynecologist who completed his MD at the Sudan Medical Specializations Board in 2016. Since then he has been working as a specialist for Elobied Obstetrics and Gynecology Teaching Hospital. Dr Ahmed is engaged in on-going efforts to tackle maternal mortality problems and the discrepancy in services between urban and rural Sudan. He has conducted research on maternal death. Dr Ahmed also volunteers in antenatal care and has been involved in the ISUOG outreach program in North Kordofan.

Dr Nouran Elbarbary

Dr Nouran Elbarbary is a specialist in obstetrics and gynecology at Alexandria University Hospitals and previously worked as an assistant lecturer in Obstetrics & Gynecology. She is actively involved in organising medical events for trainees in Alexandria, as well as working with different institutions and NGOs. Her special interests are perinatal medicine and ultrasound imaging. Dr Elbarbary believes that developing teaching and training programs on ultrasound in Obstetrics and Gynecology can contribute to the improvement of women's health and wellbeing in Egypt.

Dr Ekta Jaiswal

Living and working in Nepal, Dr Ekta Jaiswal is a lecturer at both the Department of Obstetrics and Gynecology at the Government Hospital and Medical College. She was awarded a scholarship by the Indian government to complete her MD in obstetrics and gynecology at the PGIMER in Chandigarh, India. Dr Jaiswal is passionate about obstetrics and gynecology, having developed a successful career in this field. In 2016, Dr Jaiswal was awarded a silver medal for her presentation on fetal medicine at the CME cum workshop at IGMC in Shimla, India.

Dr Sarah Little

Since 2012, Dr Sarah Little has been practicing medicine in the field of women's health. She is passionate about providing access to quality healthcare for women across the world. Dr Little completed her residency in obstetrics and gynecology at St. Barnabas medical center in Livingston, New Jersey, USA. It was during an elective to Uganda during her residency that she developed an interest in global women's health. Since then, this interest has taken her abroad on a long-term basis and it has become an integral part of her career. She is currently working at Jacaranda Maternity, a maternity hospital that serves low- and middle-income women in Nairobi, Kenya.

Dr Achala Thakur

Originally from Nepal, Dr Achala Thakur is a faculty member in the department of obstetrics and gynecology at B.P. Koirala Institute of Health Sciences in Dharan, Nepal. In 2008, Dr Thakur completed her postgraduate training in obstetrics and gynecology at B.P. Koirala Institute of Health Sciences. Prior to this, she had worked in the Department of Internal and Emergency Medicine. Dr Thakur is interested in obstetrics and managing high-risk pregnancies. She is a specialist in conducting ultrasound scans, particularly antenatal scans. Currently, Dr Thakur is teaching undergraduate and postgraduate students.

Dr Alsawi Yusuf

After finishing medical school in Cairo, Egypt Dr Alsawi Yusuf completed his training in diagnostic radiology in Sudan. He has been working at the University of Kordofan in Western Sudan as an Assistant Professor of radiology for over 25 years. In 1990, he introduced scanning with ultrasound and significantly contributed to its development at Al-Obeid hospital. Currently Dr Yusuf is providing training for medical specialists to implement ultrasound in rural hospitals, as well as training midwives in provincial health centres.

Apply for a 2019 Congress travel grant

ISUOG is again inviting researchers from underserved regions to apply in 2019 to participate at the Congress in Berlin. Travel, accommodation and registration will be offered to six successful applicants who submit an abstract for the Berlin Congress and meet the eligibility criteria. All applications must be accompanied by a submitted abstract. Abstract submission will open in January 2019.

Full terms, conditions and application criteria are available online at:
www.isuog.org/events/world-congress/travel-grant



ULTRASOUND

in Obstetrics & Gynecology



CME
online

Are you looking for further information on a topic featured at the Congress?

Would you like to gain further CME points? Supplement your learning with UOG articles and earn CME via:

www.isuog.org/events/world-congress/scientific-program/congress-supplement-your-learning.html

Screening for genetic diseases

Saturday

- **08:45 Melati 4001-4003**
Pre-Congress course: From genetics to obstetric management: essential genetics in practice

Sunday

- **13:45 Hall 1**
Workshop: NIPT: what technique can do and what clinicians should prescribe

Monday

- **08:15 Hall 1**
OC02: Ultrasound and cfDNA working together in the first trimester of pregnancy
- **09:40 Hall 1**
OP01: The genomics revolution

Tuesday

- **12:10 Hall 6 (Hub 4)**
P15: Screening for pregnancy complications
- **14:15 Hall 1**
OC20: Advanced tools in prenatal diagnosis

Wednesday

- **07:30 Hall 4**
Masterclass: Screening for chromosomal abnormalities in daily practice: what every clinician needs to know *J. Hyett*
- **09:40 Hall 6 (Hub 2)**
P17: Screening for pregnancy complications II
- **10:45 Hall 2**
OC27: Fetal structural anomalies and postnatal outcome
- **12:10 Hall 1**
OP22: Fetal heart: better screening and outcomes
- **12:10 Hall 6 (Hub 4)**
P20: First trimester ultrasound in the era of cfDNA

UOG Journal top pick: Le Conte G, Letourneau A, Jani J, Kleinfinger P, Lohmann L, Costa JM, Benachi A. Cell-free fetal DNA analysis in maternal plasma as screening test for trisomies 21, 18 and 13 in twin pregnancy. *Ultrasound Obstet Gynecol* 2018; 52: 318–314

Preterm labour: to predict and prevent

Sunday

- **11:25 Hall 1**
OC01.01: Cervical pessary vs vaginal progesterone for the prevention of preterm birth in women with twins and a cervix

Monday

- **12:10 Hall 4**
OP09: Screening for pregnancy complications: infection and prematurity

Wednesday

- **07:30 Hall 2**
Masterclass: How to predict and prevent preterm labour *V. Berghella*

UOG Journal top pick: Wulff CB, Rode L, Rosthøj S, Hoseth E, Petersen OB, Tabor A. Transvaginal sonographic cervical length in first and second trimesters in a low-risk population: a prospective study. *Ultrasound Obstet Gynecol* 2018; 51: 604–613

Placenta disorders: from pre-eclampsia to fetal growth

Sunday

- **11:00 Hall 1**
Plenary lecture: Stuart Campbell lecture: How should we assess the risk of pre-eclampsia?
- **11:45 Hall 1**
OC01.03: Added value of fetal growth velocity and Dopplers to biometry in identifying small-for-gestational-age fetuses with adverse perinatal outcome at term

Monday

- **09:40 Hall 6 (Hub 4)**
P04: All about fetal growth
- **10:45 Hall 4**
OC09: Abnormally invasive placenta
- **11:40 Hall 4**
OP05: Abnormally invasive placenta: placenta accreta and more
- **14:15 Hall 1**
OC10: The challenge of screening in pregnancy: pre-eclampsia, IUGR and preterm birth
- **16:00 Hall 2**
Workshop: Identifying and managing fetal growth restriction

Tuesday

- **07:30 Hall 2**
Masterclass: How I decide when to deliver growth restricted babies *E. Gratacós*
- **09:40 Hall 6 (Hub 2)**
P09: Abnormally invasive placenta
- **14:15 Hall 4**
Workshop: Maternal hemodynamics in pregnancy

Wednesday

- **08:15 Hall 2**
OC24: Fetal growth: moving paradigm from size to function
- **09:40 Hall 2**
OP19: Fetal growth and Doppler throughout the trimesters
- **09:40 Hall 4**
OP21: Placental disorders
- **14:15 Hall 1**
Workshop: Abnormally invasive placenta

UOG Journal top pick: Tan MY, Wright D, Syngelaki A, Akolekar R, Cicero S, Janga D, Singh M, Greco E, Wright A, Maclagan K, Poon LC. Comparison of diagnostic accuracy of early screening for pre-eclampsia by NICE guidelines and a method combining maternal factors and biomarkers: results of SPREE. *Ultrasound Obstet Gynecol* 2018; 51: 743–750

Early pregnancy problems including diagnosis and management of Caesarean scar pregnancies

Sunday

- **11:55 Hall 1**
Plenary lecture: A multi centre trial on the performance of a two-step triage protocol based on initial serum progesterone and serial hCG used to manage pregnancies of unknown location (PUL)
- **16:15 Hall 1**
Plenary lecture: The psychological consequences of early pregnancy complications

Monday

- **07:30 Hall 1**
Masterclass: What is the value of a first trimester scan in 2018 *S. Meagher, L.Salomon*
- **09:40 Hall 6 (Hub 3)**
P03: Early pregnancy care
- **12:10 Hall 6 (Hub 1)**
P05: Fetal anomalies from the first trimester onwards

Tuesday

- **09:40 Hall 3**
OP12: Early pregnancy, Caesarean scars and investigating pelvic pain and management of endometriosis
- **10:45 Hall 3**
OC19: Managing complications in early pregnancy
- **12:10 Hall 3**
OP16: Managing early pregnancy complications
- **16:00 Hall 3**
Workshop: How to manage disorders related to implantation and Caesarean section scars in the pregnant and non-pregnant patient

UOG Journal top pick: Cali G, Timor-Tritsch IE, Palacios-Jaraquemada J, Monteagudo A, Buca D, Forlani F, Familiari A, Scambia G, Acharya G, D'Antonio F. Outcome of Cesarean scar pregnancy managed expectantly: systematic review and meta-analysis. *Ultrasound Obstet Gynecol* 2018; 51: 169–175

Supplement your learning and earn CME via:

www.isuog.org/events/world-congress/scientific-program/congress-supplement-your-learning.html

Invited faculty

- A. Abuhamad (USA)
 R. Abu-Rustum (USA)
 P. Acharya (India)
 J.L. Alcazar (Spain)
 A. Baschat (USA)
 B. Benacerraf (USA)
 B. Benoit (France)
 V. Berghella (USA)
 C.M. Bilardo (Netherlands)
 A. Biswas (Singapore)
 S. Bobdiwala (UK)
 B. Borisch (Switzerland)
 T. Bourne (UK)
 C. Brezinka (Austria)
 P. Brooks (Australia)
 S. Campbell (UK)
 S. Campbell Westerway (Australia)
 J.S. Carvalho (UK)
 G. Chalouhi (France)
 R. Chaoui (Germany)
 J. Choo (Singapore)
 T. Chudleigh (UK)
 T. Cohen-Overbeek (Netherlands)
 G. Condous (Australia)
 J.A. Copel (USA)
 F. Costa (Brazil)
 R. de Ryke (New Zealand)
 J. Deng (UK)
 J. Deprest (Belgium)
 G.R. DeVore (USA)
 H.P. Dietz (Australia)
- L. Dugoff (USA)
 T.M. Eggebø (Norway)
 S. Eik-Nes (Norway)
 E. Epstein (Sweden)
 H. Feltovich (USA)
 F. Figueras (Spain)
 D. Fischerova (Czechia)
 W. Froyman (Australia)
 A. Gagnon (Canada)
 T. Ghi (Italy)
 S. Goergen (Australia)
 S. Goldstein (USA)
 E. Gratacós (Spain)
 F. Grati (Italy)
 K. Grewal (UK)
 S. Guerriero (Italy)
 G. Haddad (France)
 K. Hecher (Germany)
 E. Hernandez-Andrade (USA)
 M. Herrera (Colombia)
 C.H. Hsiao (Taiwan)
 J. Huirne (Netherlands)
 J. Hyett (Australia)
 A. Johnson (USA)
 L. Jokubkiene (Sweden)
 D. Jurkovic (UK)
 J. Karim (UK)
 A. Khalil (UK)
 A. Khurana (India)
 S. Kumar (Australia)
 A. Lai (Singapore)
 F.M. Lai (Singapore)
- C. Landolfo (Italy)
 W. Lee (USA)
 C. Lees (UK)
 M. Leonardi (Australia)
 F.P.G. Leone (Italy)
 T. Lin (Singapore)
 L. MacPherson (Australia)
 G. Malingier (Israel)
 W. Martins (Brazil)
 D. Mavrelou (UK)
 R.S. McCoy (Malaysia)
 S. Meagher (Australia)
 T. Murakoshi (Japan)
 A. Ngu (Australia)
 H. Nguyen (Vietnam)
 N. Nguyen (Vietnam)
 M. Norton (USA)
 A. Odibo (USA)
 N. O'Gorman (France)
 C.L. Ong (Singapore)
 D. Paladini (Italy)
 A.T. Papageorghiou (UK)
 L. Platt (USA)
 R. Pooh (Japan)
 L. Poon (Hong Kong)
 D. Prayer (Austria)
 J. Preisler (Chile)
 N. Raine-Fenning (UK)
 S. Reid (Australia)
 S. Rogerson (Australia)
 L.J. Salomon (France)
 M. Sanz Cortes (USA)
- P. Schwaerzler (Austria)
 S. Seshadri (India)
 H. Shah (UK)
 J.C. Shih (Taiwan)
 N. Sleep (UK)
 G. Smith (UK)
 A. Sotiriadis (Greece)
 A. Tabor (Denmark)
 H.K. Tan (Singapore)
 L.K. Tan (Singapore)
 W.C. Tan (Singapore)
 A. Testa (Italy)
 E. Thia (Singapore)
 B. Thilaganathan (UK)
 D.T. Timmerman (Belgium)
 I.E. Timor-Tritsch (USA)
 B. Tutschek (Switzerland)
 F. Ushakov (UK)
 L. Valentin (Sweden)
 T. Van den Bosch (Belgium)
 Y. Ville (France)
 G. Visser (Netherlands)
 N. Vrachnis (Greece)
 A. Welsh (Australia)
 Q. Wu (China)
 S. Yagel (Israel)
 J. Yazbeck (UK)
 G. Yeo (Singapore)
 A. Youssef (Italy)



Speaker declarations

The following speaker declarations have been received

B. Benoit	Receives an honorarium for some lectures delivered for GE
J.S. Carvalho	Uses both Canon and Hitachi ultrasound equipment for routine clinical scanning and takes part in some educational activities from both companies, for which an honorarium may be received, which is paid into a research and educational fund. Will be using a Canon ultrasound system for the live session and by necessity will refer to this equipment during the scan
T. Cohen-Overbeek	"The Principles of Ultrasound Imaging" film is made by Medical Aid Films for and in collaboration with ISUOG as education tool
G.R. DeVore	Consultant at GE Healthcare
L. Dugoff	Performs sponsored research for Progenity Inc.
C. Enzensberger	Ultrasound systems provided by Toshiba Medical Systems Europe (OP10.10)
H. Feltovich	Receives engineering support and equipment loan from Siemens Ultrasound USA
J. Goldberg	All authors are full time employees of Counsyl (OP01.02)
F.R. Grati	Roche, Advisory Board Member
J. Huirne	Receives a research grant from Samsung to study the value of 3D power Doppler in the prediction of fibroid growth. No personal fee or payment was received
A. Khurana	A consultant with GE Healthcare, advisor to Imagetech Aspari Fetal Lung Maturity Software in India, and advisor to Lifecell Babyshield for Prenatal Genetics
W. Lee	Samsung Medison provides equipment support for this study (OC17.03)
J. Massa	All authors are employed by Illumina, Inc. (EP07.08)
A.T. Papageorgiou	Intelligent Ultrasound LTD MedaPhor PLC (OC05.01)
L. Poon	Use of aspirin prophylaxis for the prevention of preeclampsia
M. Ruma	Philips Healthcare - consulting and speakers bureau. The presenting author received no financial compensation for the submission of this abstract. (P04.08)
M. Schmid	Employee of Roche Sequencing Solutions Inc. (OP01.06, P20.04)
P. Schwaerzler	Minimally invasive, highly specific sonographically guided treatment by the application of a human fibrin sealant, which is TISSEEL, Baxter Inc.
H. Shah	Financial support for this research was provided in part by Genesis Research Trust by way of an educational grant and the loan of Samsung Equipment by Samsung Medison. There was no involvement by the sponsor in the study design, writing of the report, or decision to submit these abstracts (P05.08, EP08.03)
N. Sleep	Chief technology officer for MedaPhor; a company developing A.I. and simulation technology to improve quality and speed of clinical ultrasound.

The following presentations will include discussion of commercial products/services

OC02.05, OC05.01, OC05.03, OC10.06, OC10.07, OC10.08, OC14.02, OC17.03, OP01.04, OP01.06, OP04.04, OP04.07, OP06.01, OP08.09, OP18.03, OP20.01, P04.08, P05.08, P09.07, P14.04, P15.07, P16.03, P17.05, EP06.28, EP07.04, EP07.08, EP08.03, EP10.12, EP10.16, EP11.17, EP14.01, EP18.07

The following presentations will include discussion of investigative or off label uses of products

OC14.07, OC14.08, OP01.06, P20.04, EP10.02, EP15.02

The following presentations will include discussion of clinical studies

OC01.04, OC02.05, OC02.06, OC04.06, OC05.03, OC06.01, OC10.01, OC10.02, OC10.06, OC10.07, OC10.08, OC12.07, OC14.08, OC17.05, OC19.07, OC23.04, OC24.04, OC25.05, OP01.04, OP01.05, OP02.06, OP03.04, OP04.07, OP05.03, OP05.07, OP06.07, OP06.08, OP08.09, OP09.01, OP09.05, OP11.04, OP11.08, OP13.07, OP13.08, OP13.11, OP16.01, OP16.10, OP19.02, OP19.05, OP19.06, OP20.04, OP22.02, OP22.06, P04.11, P05.07, P06.04, P06.05, P06.06, P08.06, P09.04, P09.07, P13.06, P16.07, P17.03, P17.05, P17.07, P18.03, P19.01, P19.07, P20.02, P20.03, EP01.02, EP03.01, EP03.04, EP04.05, EP05.11, EP06.18, EP06.30, EP07.03, EP07.04, EP07.06, EP08.16, EP09.10, EP09.21, EP09.22, EP10.02, EP10.12, EP10.19, EP11.01, EP11.12, EP11.17, EP12.06, EP15.11, EP16.01, EP16.05, EP21.06, EP22.08

Award winners



Jan Deprest

Winner of the Ian Donald Gold Medal

*Professor of Obstetrics and Gynaecology at University College London Hospital (UCLH)
Head of the Centre for surgical technologies, Chair of the Department of development and regeneration,
and Head of organ systems at the KU Leuven, Netherlands*

Prof. Jan Deprest is a leading international fetal surgeon with a particular interests in image-guided intrauterine minimally invasive fetal diagnosis and therapy.

He trained in fetal medicine in Leuven (Belgium), St George's Hospital London (UK), Leiden (Netherlands) and attended the programme at Children's Hospital Philadelphia (PA, USA). He established the Eurofoetus consortium, which is dedicated to the development of instruments and techniques for minimally invasive fetal and placental surgery.

As part of the Leuven Fetal Medicine Team, Prof. Deprest focuses on antenatal modulation of lung development. He has headed several clinical studies dedicated to the prenatal prediction of survival of fetuses with isolated CDH using genetic testing, ultrasound and fetal MRI imaging. He developed a percutaneous method for fetoscopic placement of a balloon into the fetal trachea ("FETO"). In a European task force together with the University of Barcelona and King's College Hospital, the team performed over 200 such procedures by 2009. This group and other centres are now conducting a world-wide randomized control led clinical trial for left sided CDH.



Prof. Rabih Chaoui

Winner of the Stuart Campbell Award for Education

After growing up and going to school in Lebanon, Prof. Chaoui moved to Humboldt University in Berlin, Germany, to study medicine. Since 1986 he has had a major interest in fetal ultrasound becoming a world expert on the topic. During his studies, he specialised in prenatal diagnosis and became interested in cardiovascular hemodynamics in fetal echocardiography using Doppler ultrasound.

In 2001, he became a Professor of Obstetrics and Gynecology at Charité University Hospital in Berlin, and from 2004 he has been working in the Center of Prenatal Diagnosis and Human Genetics. His research focuses on fetal heart, fetal 3D, first-trimester ultrasound, ultrasound in genetic diseases and high-resolution ultrasound.

Prof. Chaoui has been an active member and Board member (2003-2013) of the International Society of Ultrasound in Obstetrics and Gynecology (ISUOG) as well as a member of the Board of the German Society for Ultrasound in Medicine (DEGUM).

In addition to his other duties, he has written three books on fetal ultrasound and has authored and co-authored more than 200 articles and monographies.

Keynote speakers



Prof. Bettina Borisch

Professor of Public Health, Institute of Global Health, University of Geneva, Executive Director of the World Federation of Public Health Associations

Prof. Bettina Borisch is a Managing Director, Histopathologist, Masters in Public Health and Fellow of the Royal College of Pathology (UK). Her scientific research work focuses on neoplastic lesions of the immune system and breast cancer, and her interests include community-based oncology, as well as health communication and global health.

She studied medicine and modern history in Kiel (Germany) and Lausanne (Switzerland). She completed her pathology residency in Kiel, Würzburg and Bern. In 1995, Prof. Borisch was appointed professor at the University of Geneva. She was director of the Institute of Clinical Pathology until 2003 when she moved to the Institute for Global Health.

She has close collaborations with the World Health Organisation, the International Agency for the Research in Cancer and is a board member of several foundations and academic societies both in Switzerland and internationally. In particular, she was president of The European Breast Cancer Coalition (EUROPA DONNA) and Founding President of the Swiss Forum of EUROPA DONNA. Prof. Borisch is the Editor in Chief of 'Pathobiology' and the Co-Editor of the 'Journal of Public Health Policy'.



Prof. Tom Bourne

ISUOG Board Member, Professor of Practice & Research Team Leader, Imperial College London and Visiting Professor, KU Leuven, Belgium. Consultant Gynaecologist at Queen Charlotte's & Chelsea Hospital, London.

Prof. Tom Bourne is an authority on early pregnancy complications, emergency gynecology and gynaecological ultrasound. He is known both nationally and internationally for his expertise in terms of "hands on" clinical care and his extensive clinical research. He has edited seven books and published over 300 papers.

In 1994 he worked at University of Göteborg, Sweden as Swedish Medical Research Council visiting scientist. He wrote his Ph.D. on detecting ovarian & endometrial cancer. Following this, he was appointed consultant gynaecologist at St George's University Hospital, London in 1996, he obtained MRCOG in 1990 and FRCOG in 2003. Prof. Bourne was appointed Reader in acute gynecology & gynaecological ultrasonography at University of London (2005) & Visiting Professor at KU Leuven, Belgium (2007). In 2014 he was awarded honorary fellowship of the American Institute of Ultrasound in Medicine (AIUM) & honorary membership of Australasian Society for Ultrasound in Medicine (ASUM) in 2016.

He is President of the UK Association of Early Pregnancy Units (AEPU), Trustee of the Ectopic Pregnancy Trust and on the steering committee of the International Ovarian Tumor Analysis (IOTA) trial.

Keynote speakers



Dr Ronald McCoy

Dr Ronald McCoy graduated in medicine from the University of Malaya in Singapore. He later obtained Membership of the Royal College of Obstetricians and Gynaecologists in London and practised obstetrics and gynecology until he retired in 1996.

Dr McCoy is a past president of the Malaysian Medical Association and former member of the Malaysian Medical Council. He has been actively involved in the worldwide physicians' movement for the elimination of nuclear weapons and served as co-president of International Physicians for the Prevention of Nuclear War (IPPNW), which received the Nobel Peace Prize in 1985.

After the failed review conference of the Nuclear Non-Proliferation Treaty in 2005, Dr McCoy proposed that IPPNW change its strategy by initiating an International Campaign to Abolish Nuclear Weapons (ICAN). Based on the humanitarian impact of nuclear weapons, negotiations in the United Nations eventually led to the adoption of a Treaty on the Prohibition of Nuclear Weapons on 7 July 2017 by a large majority of 122 states. In December, ICAN was awarded the 2017 Nobel Peace Prize 'for its ground-breaking efforts to achieve a treaty-based prohibition of nuclear weapons'.



Dr Neil O'Gorman

Obstetrician & Gynaecologist and a subspecialist in Maternal Fetal Medicine at Necker Enfants-Malades Hospital in Paris, France.

Dr Neil O'Gorman is an authority on first trimester screening for aneuploidies and pre-eclampsia, ultrasound quality control, fetal abnormalities and multiple pregnancy. Having completed a joint honours BSc from the National University of Ireland, Dr. O'Gorman studied medicine at the University of Glasgow.

Moving to London to train in obstetrics and gynecology, he became a subspecialty trainee in Maternal Fetal Medicine at King's College Hospital, London. During this time, Dr O'Gorman developed an interest in first trimester screening for pre-eclampsia and was a member of the team that produced the ASPRE study. His doctoral thesis involved developing a first trimester pre-eclampsia prediction model with subsequent prospective validation across 12 hospitals in Europe.

In 2017, he moved to Paris where he works as a Chef de Clinique at Necker Hospital and Descartes University Paris. Dr O'Gorman has an interest in high-risk obstetrics as well as undergraduate and postgraduate teaching.



Prof. Gordon Smith

Professor and Head of the Department of Obstetrics and Gynaecology, University of Cambridge, UK.

Prof. Smith is Professor and Head of the Department of Obstetrics and Gynaecology, University of Cambridge, UK. His clinical training took place in Glasgow and he subsequently received three doctoral degrees from there (MD, PhD and DSc). Prof. Smith was awarded two Wellcome Trust clinical research training fellowships based in Glasgow University and Cornell University, USA. He was elected a Fellow of the Academy of Medical Science in 2010 and is clinically active as a Consultant in Maternal-Fetal Medicine at the Rosie Hospital, Cambridge.

Prof. Smith's research aims to identify novel approaches to prevent adverse outcomes relating to complications of pregnancy, such as pre-eclampsia, fetal growth restriction and preterm birth. A major focus is the outcome of stillbirth, the single major cause of death of the infant in the perinatal period.



Dr Rex de Ryke

The Charge Sonographer within the New Zealand Canterbury District Health Board (CDHB) Radiology.

Dr de Ryke has been the Charge Sonographer within the New Zealand, Canterbury District Health Board Radiology services since 2003. He is current Chair of New Zealand Australasian Society for Ultrasound in Medicine (NZASUM) and was appointed an ASUM Director in 2016. Dr de Ryke was the recipient of the ASUM Australasian Sonographer of the year award in 2017. He received an honorary ASUM fellowship and humanitarian award in 2012 for his work during the Christchurch Earthquakes.

Dr de Ryke is passionate about all aspects of clinical ultrasound, with a special interest in fetal medicine, fetal echo, and emergency medicine ultrasound. As well as his extensive clinical roles, he is involved in ongoing sonographer education, is an examiner for ASUM, and is working with the Otago University of New Zealand in the development of a postgraduate ultrasound qualification.

A current focus is coordinating and supporting Point of Care Ultrasound (POCUS) services within New Zealand with an emphasis on quality service provision with image recoding, review and audit.

Keynote speakers



Prof. Baskaran Thilaganathan

Professor in Fetal Medicine at St George's Hospital, University of London, Director of Fetal Medicine at St George's Hospital, former Editor-in-Chief UOG 2011-2018

Prof. Baskaran Thilaganathan is a specialist in the medical and surgical management of high-risk pregnancies (materno-fetal medicine) with a focus on twin pregnancy, fetal growth, fetal abnormality and pre-eclampsia. Prof. Thilaganathan's research methods include uterine Doppler and trophoblast invasion, screening for pre-eclampsia, echocardiography-based studies of maternal cardiac adaptation to pregnancy, and clinical studies of twin pregnancies.

He has authored two undergraduate and five postgraduate textbooks in obstetrics and fetal medicine and is the lead trainer for the Maternal-Fetal medicine sub-speciality training programme at St George's Hospital, London. Prof. Thilaganathan was Editor-in-Chief of ISUOG's *Ultrasound in Obstetrics and Gynecology* for nearly 8 years, within that time raising the Journal's impact factor to 5.654. Furthermore, he has authored over 200 peer-reviewed publications in indexed journals. He is a Council Member of the Royal College of Obstetricians and Gynaecologists (RCOG), member of the National screening Committee and also the Clinical Lead for the first dedicated high-throughput NIPT lab in the UK NHS to undertake cfDNA aneuploidy screening in pregnancy.

In memoriam



ISUOG remembers Dr Japaraj Robert Peters, valued ISUOG supporter, who sadly passed away on Monday 3 September 2018.



ISUOG would also like to acknowledge the passing of Dr Binod Kumar Parmar from Nepal who was awarded a Travel Grant in 2017. He died on Monday 23 April 2018.




ISUOG First Trimester certificate

Following on from the success last year, ISUOG will be running another certificate program at the World Congress, this year focusing on the First Trimester. Dr Simon Meagher has put together an incredible program and set of resources for all those who would like to take part.

Conditions for successful completion of the course:

- Attendance of five specifically marked scientific sessions
- Passing of a multiple choice online test on Wednesday 24 October

Sessions: Below are the specified sessions which form the certificate and are marked in the program with a  symbol. The certificate sessions run from Monday 22 - Wednesday 24 October. All certificate attendees should ensure they are scanned into each session.

 Monday 22 October	Masterclass: First Trimester certificate overview: What is the value of a first trimester scan in 2018 OC: Ultrasound and cfDNA working together in the first trimester of pregnancy OC: The challenge of screening in pregnancy: pre-eclampsia, IUGR and preterm birth
 Tuesday 23 October	First trimester workshop 1: CNS and spine First trimester workshop 2: cardiac and face
 Wednesday 24 October	Masterclass: Screening for chromosomal abnormalities in daily practice: what every clinician needs to know First trimester workshop 3: gastrointestinal First trimester workshop 4: genitourinary, skeletal and multiple pregnancy

How to participate: If you would like to take part in the certificate, complete the online form at www.surveymonkey.co.uk/r/1st_tricertificate

Resources: Dr Meagher has put together a considerable amount of resources on the first trimester which all attendees can access at <http://ultrasound.com.au/ISUOG/> This site will only be available until Friday 23 November 2018.

Fee: The First Trimester Certificate is only available to those attending the Singapore World Congress and there is no additional charge for participating.

Please note that this course does not represent an official first trimester certification program.

Session types explained

Masterclasses

Masterclasses are sessions where ISUOG invites individual experts to create, present and chair an entire session's content. These popular sessions give attendees the opportunity to hear longer in-depth analysis on a particular subject from a world renowned speaker.

Workshops

Our Workshops are created by members of ISUOG's international faculty, who ask leading experts in their field to deliver didactic talks on a particular topic. There are between three to five talks per workshop which demonstrate the worldwide collaboration of our faculty who are at the forefront of research.

Oral Communications (OC)

Oral Communications (OC) are abstracts from our submission process that are given 5 minutes to present and 3 minutes for discussion. These take place in the main session halls and are identified by the OC next to the title of the session.

Short Oral Presentations (OP)

Short Oral Presentations (OP) are abstracts from our submission process that are given 2 minutes to summarise the research and 2 minutes for discussion. These succinct presentations give a quick insight into research happening on a particular topic.

Poster discussions (P)

Replacing hardcopy posters, the Poster discussions (P) put together a selection of posters that are on the same theme. Chaired by an expert in the field, these are intimate and friendly spaces designed to offer the author the opportunity to meet delegates interested in their research, discuss any comments and answer questions on their work.

Electronic Posters (EP)

To give access to submitted research that's not being presented orally, ISUOG sets up On Demand stations at the Congress where delegates can view these submissions in PowerPoint during the event. Delegates can contact authors through the integrated email facility On Demand.

Hubs

The Hubs are informal interactive sessions which provide excellent opportunities to communicate and network with fellow attendees. The Hubs cover various formats and topics such as: 'Meet the professors', poster discussions, ISUOG guidelines, Special Interest Group (SIGs), and Outreach, partnership and trainee sessions.

ISUOG AGM - Sunday 21.10.18

Hall 1: 9:45-10:25

Hear what your society has been doing this year and have your say to change the future.



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your
say

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Saturday 20.10.2018

	Melati 4004-4104	Melati 4001-4003	Melati 4101-4103
07:00	Registration		
08:45-17:05	ISUOG Basic Training: a practical approach to the obgyn ultrasound examination	From genetics to obstetric management: essential genetics in practice In collaboration with the Society of Fetal Maternal Medicine, SMFM	Ultrasound for diagnosis and presurgical staging of deep infiltrating endometriosis (DIE)
			

Sunday 21.10.2018

	Hall 1	Hall 2	Hall 3	Hall 4
07:00	Registration			
08:30-09:45	Keynote lectures			
09:45-10:25	Achievements 2017 incorporating AGM			
10:25-11:00	Coffee and electronic poster viewing			
11:00-12:15	Award lectures and top abstracts			
12:15-13:45	Lunch and electronic poster viewing / Satellite symposia (12:30-13:30)			
13:45-15:15	WS: NIPT: what technique can do and what clinicians can prescribe		WS: Managing ovarian masses: how to classify masses using IOTA terminology, rules and model lessons from IOTA study	WS: Ultrasound in preventing the great obstetric problems
15:15-15:45	Coffee and electronic poster viewing			
15:45-17:35	Awards and plenaries			
Evening	Opening ceremony and Welcome reception			

Monday 22.10.2018

	Hall 1	Hall 2	Hall 3	Hall 4
07:00	Registration			
07:30-08:10	Masterclass: Cardiac ultrasound: the heart of the matter	 Masterclass: What is the value of a first trimester scan in 2018?	Masterclass: Pelvic floor ultrasound: diagnosis and management	Masterclass: Six steps to easy ultrasound
08:15-09:35	 OC: Ultrasound and cfDNA working together in the first trimester of pregnancy [LIVE SCAN]	OC: Using ultrasound to predict outcomes in fetal anomalies	OC: Managing ovarian masses	OC: Innovation in ultrasound: teaching humans, training machines and keeping patients safe
09:40-10:20	OP: The genomics revolution	OP: Prenatal diagnosis	OP: Managing ovarian masses	OP: Technologies to improve our practice
10:15-10:45	Coffee and electronic poster viewing			
10:45-12:05	OC: Ultrasound and MRI of the fetal CNS [LIVE SCAN]	OC: Improving outcomes in twin pregnancies	OC: Ultrasound to help manage the oncology patient	OC: Abnormally invasive placenta 11:40 OP: Abnormally invasive placenta: placenta accreta and more
12:10-12:50	OP: Toward better fetal CNS imaging	OP: Improving outcomes in twin pregnancies	OP: Ultrasound to help manage the oncology patient	OP: Screening for pregnancy complications: infection and prematurity
12:45-14:15	Lunch and electronic poster viewing / Satellite symposia (13:00-14:00)			
14:15-15:35	 OC: The challenge of screening in pregnancy: pre-eclampsia, IUGR and preterm birth	OC: Cardiac function and improved screening	OC: Investigating bleeding: endometrial and myometrial pathology	WS: ISUOG Basic Training: train the trainer
15:35-16:00	Coffee and electronic poster viewing			
16:00-17:30	WS: Effective screening for congenital heart disease [LIVE SCAN]	WS: Identifying and managing fetal growth restriction	WS: Using ultrasound to help manage patient with a possible gynecological malignancy	WS: Ultrasound for everyone, everywhere: is it possible?
17:45-18:45	Satellite symposia			

Tuesday 23.10.2018

	Hall 1	Hall 2	Hall 3	Hall 4
07:00	Registration			
07:30-08:10	Masterclass: Twin pregnancy, double the trouble	Masterclass: How I decide when to deliver growth-restricted babies	Masterclass: Cases I have seen: classic examples and some you may not see so often	Masterclass: How I use ultrasound to make decisions in the labour ward
08:15-09:35	OC: Cardiac physiology	OC: Impact of fetal interventions	OC: Ultrasound and the investigation of pelvic pain and management of endometriosis	OC: Can ultrasound improve obstetric outcomes?
09:40-10:20	OP: Fetal cardiac function	OP: Fetal interventions in twins and fetal defects	OP: Early pregnancy, Caesarean scars and investigating pelvic pain and management of endometriosis	OP: Ultrasound in the management of labour I
10:15-10:45	Coffee and electronic poster viewing			
10:45-12:05	OC: Fetal growth and adverse outcome	OC: Management of complicated monochorionic pregnancies	OC: Managing complications in early pregnancy	 WS: CNS and spine
12:10-12:50	OP: Fetal measurement, weight estimation and body composition	OP: Management of complicated monochorionic pregnancies	OP: Managing early pregnancy complications	OP: Ultrasound in the management of labour II
12:45-14:15	Lunch and electronic poster viewing / Satellite symposia (13:00-14:00)			
14:15-15:35	OC: Advanced tools in prenatal diagnosis [LIVE SCAN] (finishes at 15:41)	OC: Ventriculomegaly and congenital infections (finishes at 15:39)	OC: Ultrasonography and reproductive medicine	WS: Maternal hemodynamics in pregnancy
15:35-16:00	Coffee and electronic poster viewing			
16:00-17:30	WS: 3D [LIVE SCAN]	WS: Fetal infections: updates on TORCH, Zika and anything new	WS: How to manage disorders related to implantation and Caesarean section scars in the pregnant and non-pregnant patient	 WS: Cardiac and face

Evening

Congress party at Chinatown food street

Wednesday 24.10.2018

	Hall 1	Hall 2	Hall 3	Hall 4
07:00	Registration			
07:30-08:10	Masterclass: Fetal brain: optimal imaging every time	Masterclass: How to predict and prevent preterm labour	Masterclass: IOTA terminology, rules and models to classify ovarian masses: case examples with audience participation	 Masterclass: Screening for chromosomal abnormalities in daily practice: what every clinician needs to know
08:15-09:35	OC: Thoracic and palate abnormalities advances in imaging and outcomes	OC: Fetal growth: moving paradigm from size to function	OC: Urogynecology	
09:40-10:20	OP: Thoracic and abdominal abnormalities	OP: Fetal growth and Doppler throughout the trimesters	OP: Urogynecology	OP: Placental disorders
10:15-10:45	Coffee and electronic poster viewing			
10:45-12:05	OC: Impacts of fetal heart disease	OC: Fetal structural anomalies and postnatal outcome	WS: Fertility preservation in gynecology: how ultrasound can help	
12:10-12:50	OP: Fetal heart: better screening and outcomes	OP: Fetal structural anomalies	CS: Discussion of clinical cases: watch the experts struggle	 WS: Gastrointestinal
12:45-14:15	Lunch and electronic poster viewing / Satellite symposia (13:00-14:00)			
14:15-15:50	WS: Abnormally invasive placenta	WS: Fetal anatomical assessment using MRI	WS: How do we manage pathology found on ultrasound in asymptomatic women?	 WS: Genitourinary, skeletal and multiple pregnancy
15:50-16:50	Closing plenary: show us the power of ultrasound			
16:50-17:30	Leaving drinks and welcome to Berlin 2019!			

Masterclasses

	Session	Presenter	Room
Monday			
07:30-08:10	Cardiac ultrasound: the heart of the matter	<i>R. Chaoui (Germany)</i>	Hall 1
	Fetal brain: optimal imaging every time	<i>D. Paladini (Italy)</i>	Hall 2
	Pelvic floor ultrasound: diagnosis and management	<i>H.P. Dietz (Australia)</i>	Hall 3
	Six steps to easy ultrasound	<i>A. Abuhamad (USA)</i>	Hall 4
Tuesday			
07:30-08:10	Twin pregnancy, double the trouble	<i>Y. Ville (France)</i>	Hall 1
	How I decide when to deliver growth-restricted babies	<i>E. Gratacós (Spain)</i>	Hall 2
	Cases I have seen: classic examples and some you may not see so often	<i>B. Benacerraf (USA)</i>	Hall 3
	How I use ultrasound to make decisions in the labour ward	<i>C. Lees (UK)</i>	Hall 4
Wednesday			
07:30-08:10	What is the value of a first trimester scan in 2018?	<i>S. Meagher (Australia)</i> <i>L.J. Salomon (France)</i>	Hall 1
	How to predict and prevent preterm labour	<i>V. Berghella (USA)</i>	Hall 2
	IOTA terminology, rules and models to classify ovarian masses: case examples with audience participation!	<i>L. Valentin (Sweden)</i>	Hall 3
	Screening for chromosomal abnormalities in daily practice: what every clinician needs to know	<i>J. Hyett (Australia)</i>	Hall 4

ISUOG Awards

Wednesday 24 October, 15:50-16:50

At the Closing ceremony we will be announcing the winners of the:

- **Top abstract**
- **Young Investigator prize**
- **Best presentations in each topic**



All OC and OP presentations will be judged within their subject categories by the session chairpersons and the ISUOG Scientific Committee. Winners will be formally acknowledged in our journal, *Ultrasound in Obstetrics & Gynecology*.

Short oral presentations

	Session	Room
Monday		
09:40-10:20	OP01 The genomics revolution	Hall 1
	OP02 Prenatal diagnosis	Hall 2
	OP03 Managing ovarian masses	Hall 3
	OP04 Technologies to improve our practice	Hall 4
11:40-12:05	OP05 Abnormally invasive placenta: placenta accreta and more	Hall 4
12:10-12:50	OP06 Toward better fetal CNS imaging	Hall 1
	OP07 Improving outcomes in twin pregnancies	Hall 2
	OP08 Ultrasound to help manage the oncology patient	Hall 3
	OP09 Screening for pregnancy complications: infection and prematurity	Hall 4
Tuesday		
09:40-10:20	OP10 Fetal cardiac function	Hall 1
	OP11 Fetal interventions in twins and fetal defects	Hall 2
	OP12 Early pregnancy, Caesarean scars and investigating pelvic pain and management of endometriosis	Hall 3
	OP13 Ultrasound in the management of labour I	Hall 4
12:10-12:50	OP14 Fetal measurement, weight estimation and body composition	Hall 1
	OP15 Management of complicated monochorionic pregnancies	Hall 2
	OP16 Managing early pregnancy complications	Hall 3
	OP17 Ultrasound in the management of labour II	Hall 4
Wednesday		
09:40-10:20	OP18 Thoracic and abdominal abnormalities	Hall 1
	OP19 Fetal growth and Doppler throughout the trimesters	Hall 2
	OP20 Urogynecology	Hall 3
	OP21 Placental disorders	Hall 4
12:10-12:50	OP22 Fetal heart: better screening and outcomes	Hall 1
	OP23 Fetal structural anomalies	Hall 2

Poster discussions

	Session	Room
Monday		
09:40-10:20	P01 Cardiac genetics and screening	Hub 1
	P02 Challenges in fetal diagnosis	Hub 2
	P03 Early pregnancy care	Hub 3
	P04 All about fetal growth	Hub 4
12:10-12:50	P05 Fetal anomalies from the first trimester onwards	Hub 1
	P06 Ultrasound in the labour ward	Hub 2
Tuesday		
09:40-10:20	P08 Fetal congenital anomalies	Hub 1
	P09 Abnormally invasive placenta	Hub 2
	P11 New tools for the fetal brain	Hub 4
12:10-12:50	P12 Fetal interventions	Hub 1
	P13 Heart structure and function	Hub 2
	P14 Reproductive medicine	Hub 3
	P15 Screening for pregnancy complications I	Hub 4
Wednesday		
09:40-10:20	P16 Safety and education	Hub 1
	P17 Screening for pregnancy complications II	Hub 2
12:10-12:50	P18 Diagnosis of fetal heart abnormalities and functional assessment	Hub 1
	P19 Multiple pregnancies	Hub 2
	P20 First trimester ultrasound in the era of cfDNA	Hub 4

Hubs - join the buzz!

The Hubs are informal interactive sessions which provide excellent opportunities to communicate and network with fellow attendees.

These intimate Hubs cover various formats and topics such as: 'Meet the professors', poster discussions, ISUOG Guidelines, Special Interest Groups (SIGs), and Outreach, Partnership and Trainee sessions.



The Hubs are a market place of information; if you have heard everything that you wanted to hear in one Hub simply move to the next!

Location: Hall 6

Date: Monday 22 - Wednesday 24 October

Program: Please see the Programs at a glance

Attending the Hubs: The Hubs are part of the Congress and there are no additional fees to attend.

Join the Congress conversation

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Hubs

	HUB 1	HUB 2
Monday		
08:15-09:15	Special interest group: heart	
09:40-10:20	Cardiac genetics and screening (P)	Challenges in fetal diagnosis (P)
10:25-10:50	In conversation with <i>F. Figueras</i> : Late IUGR	In conversation with <i>P. Acharya</i> : Fetal echo by 'STIC and silhouette'
11:00-12:00	Special interest group: Doppler	In conversation with <i>T. Ghi</i> labour guidelines explained
12:10-12:50	Fetal anomalies from the first trimester onwards (P)	Ultrasound in the labour ward (P)
13:00-14:00	Guidelines: Chinese	Guidelines: Spanish

Tuesday

08:15-09:15	Special interest group: 3D	
09:40-10:20	Fetal congenital anomalies (P)	Abnormally invasive placenta (P)
10:25-10:50	In conversation with <i>A. Baschat</i> : Planning management of fetal growth restriction	In conversation with <i>D. Fischerová</i> : Tumours in pregnancy
11:00-12:00	Sponsor hub	Sponsor hub
12:10-12:50	Fetal interventions (P)	Heart structure and function (P)
13:00-16:00	Forum for Chinese delegates	CFEF French recommendation for second trimester ultrasound

Wednesday

08:15-09:15		
09:40-10:20	Safety and education (P)	Screening for pregnancy complications II (P)
11:00-12:00	Special interest group: MRI	
12:10-12:50	Diagnosis of fetal heart abnormalities and functional assessment (P)	Multiple pregnancies (P)

HALL 6 *JOIN THE BUZZ*

HUB 3

WATOG: legal, ethical and psychological issues behind a simple ultrasound scan

Early pregnancy care (P)

In conversation with *L. Poon*:
Prediction and prevention of pre-eclampsia:
implementation and challenges

Evaluating the abdomen and GU: the Basic Training approach

Investigating women with abnormal bleeding

HUB 4

All about fetal growth (P)

In conversation with *G.R. DeVore*:
Evaluation of fetal cardiac function: why, when, and how!

Discover VISUOG

The basic steps of an obstetric ultrasound: Basic Training film screening

Guidelines: French

WATOG: in conversation with trainees about issues in ultrasound training

Diagnosing and managing myometrial pathology

In conversation with *V. Berghella*:
Preterm birth prevention using cervical length screening

In conversation with ASUM: infection control

Reproductive medicine (P)

Evaluating the fetus heart and CNS: the Basic Training approach

New tools for the fetal brain (P)

In conversation with *T.M. Eggebo*:
Intrapartum sonography; indications, guidelines and barriers

Screening for pregnancy complications I (P)

Guidelines: Russian

Future plans and lessons learnt from multicentre studies

How to evaluate a patient who presents with pelvic pain

Controversies in reproductive medicine

First trimester ultrasound in the era of cfDNA (P)

Interested in meeting like-minded professionals
and key ISUOG members at Congress?

Join us at



Coffee Connect



for networking at ISUOG 2018

Simply drop by the ISUOG Lounge Monday - Wednesday
during the morning coffee breaks to get involved!

Trainees Coffee Connect

Monday 22 October, 10:15-10:45

Join WATOG and members of the ISUOG Basic Training Taskforce and meet clinicians at the same stage of their career.

Sonographers Coffee Connect

Tuesday 23 October, 10:15-10:45

Connect with other sonographers as well as key ISUOG and ASUM faculty to discuss the challenges and opportunities of imaging in this field.

Coffee Connect with UOG Editors

Wednesday 24 October, 10:15-10:45

Meet the team behind the UOG journal and learn how to get published and improve the impact of your article.

We'll be serving snacks and fruit juice for all Coffee Connect attendees.

We hope to see you there!



Join the Congress conversation

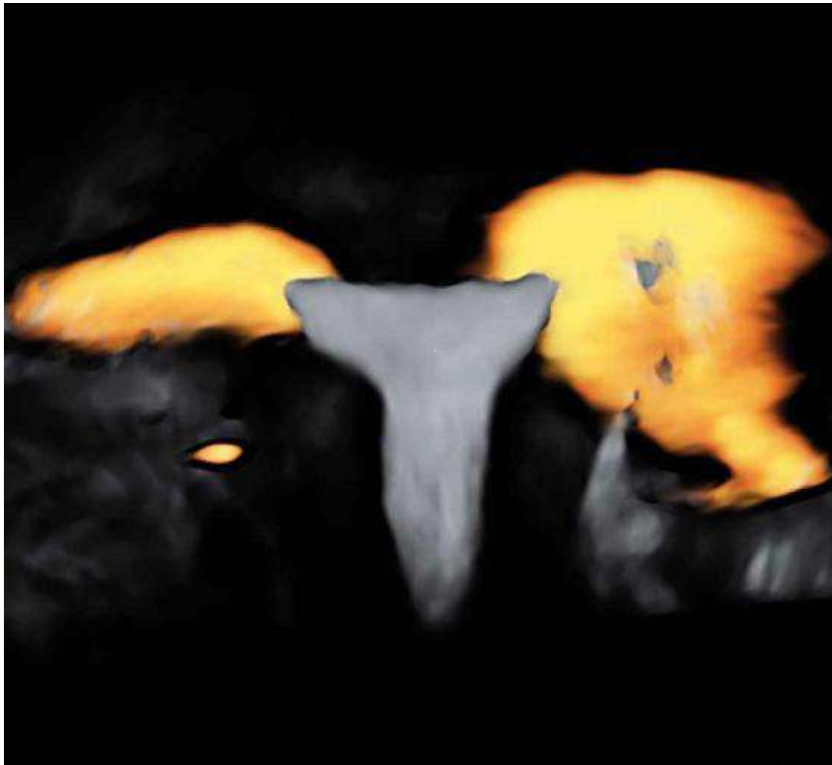
#ISUOG2018    

 **isuog**.org

PRE-CONGRESS COURSES

Saturday 20 October 2018

SATURDAY



December 2017

'Flaming tube' sign on hysterosalpingo-lidocaine-foam sonography combined with power Doppler imaging.
Ludwin A, Nastri CO, Ludwin I, Martins WP. Ultrasound Obstet Gynecol 2017; 50: 808-810.



ISUOG Education

ISUOG delivers regular, high-quality education courses in ultrasound in obstetrics and gynecology, providing up-to-date knowledge and clinical guidance in a range of topics. Our courses present dynamic, interactive clinical updates and are now available face-to-face and live online.



2018

- Advanced fetal neurosonography: when do I need to refer for fetal MRI?

2019

- Fetal anomalies
- Multiple pregnancy
- Advances in fetal echocardiography



Full list of courses at:
www.isuog.org/events



Saturday 20.10.2018

MELATI 4001-4003

In collaboration with:



From genetics to obstetric management: essential genetics in practice

Convenors: L. Dugoff (United States); A. Lai (Singapore); A.T. Papageorghiou (United Kingdom); G. Yeo (Singapore)

- 08:45** Welcome and introduction
G. Yeo (Singapore)
- 08:55** Principles of screening and diagnosis
A.T. Papageorghiou (United Kingdom)
- 09:15** Aneuploidy, translocation, variation, point mutations: what is happening to our chromosomes?
A. Lai (Singapore)
- 09:45** Confounding biological factors for your non-invasive prenatal tests
F. Grati (Italy)
- 10:15** **Coffee**
- 10:45** Cell-free DNA in practice: learning from difficult cases
B. Thilaganathan (United Kingdom)
- 11:15** Karyotype, microarray and exome sequencing
L. Dugoff (United States)
- 11:45** Ethical considerations around prenatal, preimplantation and preconception testing
M. Norton (United States)
- 12:15** **Lunch**
Chairs: L. Dugoff (United States); G. Yeo (Singapore)
- 13:05** From genetics to obstetric management: insights into obstetrics complications
L. Dugoff (United States)
- 13:35** Preimplantation genetic screening and preimplantation genetic diagnosis
F. Da Silva Costa (Brazil)
- 14:05** Sequencing cell-free DNA for single gene disorders: next 'must-have' prenatal screening tool?
M. Norton (United States)
- 14:35** **Coffee**
- 15:05** Genetic evaluation of fetal sonographic anomalies
L. Dugoff (United States)
- 15:35** From genetics to ultrasound: insights into congenital heart defects
J. Choo (Singapore)
- 16:05** Genetics testing and your legal obligations
J. Hyett (Australia)
- 16:35** What to tell your patients – panel with case studies
A. Tabor (Denmark)
- 17:05** End of course

MELATI 4004-4104

ISUOG Basic Training: a practical approach to the obstetrics and gynecology ultrasound examination

Chairs: R.S. Abu-Rustum; A. Abuhamad (United States)

- 08:45** Introduction and overview of the Basic Training Program
R.S. Abu-Rustum (United States)
- 09:00** Pre-course test
R.S. Abu-Rustum (United States)
- 09:15** "Principles of ultrasound imaging" film
T.E. Cohen-Overbeek (Netherlands)
- 09:30** Transducers, image production, knobology and scanning planes
S. Campbell Westerway (Australia)
- 10:00** The six-step approach
A. Abuhamad (United States)
- 10:30** **Coffee**
- 11:00** Fetal biometry: dating, assessing size and estimating fetal weight
A. Johnson (United States)
- 11:30** Assessing the placenta and amniotic fluid
C.M. Bilardo (Netherlands)
- 12:00** **Lunch**
- 13:15** The 20 + 2 planes
T. Chudleigh (United Kingdom)
- 13:45** Distinguishing between normal and abnormal appearances of the fetal anatomy
R.S. Abu-Rustum (United States)
- 14:15** The basics of a gynecology ultrasound (TA and TV; walk-through)
S. Bobdiwala (United Kingdom)
- 14:45** **Coffee**
- 15:15** Quality control process for operators and programs
J. Hyett (Australia)
- 15:45** Examining the uterus: endometrium, myometrium
A. Abuhamad (United States)
- 16:15** Examining the ovary and adnexa
C. Landolfo (Italy)
- 16:45** Post-course test
T.E. Cohen-Overbeek (Netherlands)
- 17:00** End of course

MELATI 4101-4103**Ultrasound for the diagnosis and presurgical staging of deep infiltrating endometriosis (DIE)***Chairs: G. Condous (Australia); S. Guerriero (Italy)*

- 09:00** Welcome
G. Condous (Australia)
- 09:05** International deep endometriosis analysis consensus statement
G. Condous (Australia)
- 09:35** Accuracy of different imaging methods: TVS, CT and MRI
S. Guerriero (Italy)
- 10:05** Soft markers to predict superficial pelvic endometriosis
S. Reid (Australia)
- 10:35** **Coffee**
- 11:05** Ovarian endometriomata changes during pregnancy
A.C. Testa (Italy)
- 11:35** Pouch of Douglas assessment and implications on surgical planning
S. Reid (Australia)
- 12:05** Video session
M. Leonardi (Australia)
- 12:20** **Lunch**
- 13:20** Endometriosis of the urinary tract
F. Leone (Italy)
- 13:50** Imaging of uterosacral ligaments, posterior vaginal fornix and rectovaginal septum
S. Guerriero (Italy)
- 14:20** Deep endometriosis involving the rectum, rectosigmoid: to bowel prep or not to bowel prep, to gel or not to gel?
T. Van den Bosch (Belgium)
- 14:50** Video session
M. Leonardi (Australia)
- 15:05** **Coffee**
- 15:35** Ultrasound-based endometriosis staging system (UBESS) in the United Kingdom and Australasia
M. Leonardi (Canada)
- 16:05** Conclusions and summary
G. Condous (Australia)
- 16:20** End of course



15th ISUOG INTERNATIONAL SYMPOSIUM

**São Paulo, Brazil
12-14 April 2019**

Maksoud Plaza Hotel

Inscriva-se agora | Register now

Presidentes | Convenors

Prof F. Da Silva Costa (Australia / Brazil)

Prof W. Martins (Brazil)

Prof W. Naves do Amaral (Brazil)

Comitê de Organização Local Local Organising Committee

Prof R. Gilberto Ferreira, Dr E. Trajano

Prof A. Ferreira, Prof E. Fonseca, Prof R. Sa

Datas importantes

Inscrição e envio
de resumos **06.07.18**

Último prazo para
inscrição antecipada **02.02.19**

Último prazo para
exposição/patrocínio **22.02.19**

Último prazo para
resumos **04.03.19**

Cursos pré-congresso **11.04.19**

Critical dates

Registration and
abstract submissions
opens **06.07.18**

Early bird deadline **02.02.19**

Exhibition/sponsorship
deadline **22.02.19**

Abstract deadline **04.03.19**

Pre-Congress courses **11.04.19**

Cursos pré-congresso

- Coração fetal
- Neurologia fetal
- Ultrassonografia na reprodução e endometriose profunda

Pre-Congress courses

- Fetal heart
- Fetal neurology
- Ultrasound in reproduction and deep endometriosis

SCIENTIFIC PROGRAM

Sunday 21 October 2018



January 2018

Follicle counting using Sonography-based Automated Volume Count software in 3D volume of left ovary, depicting 67 antral follicles.
Froyman W, Van Schoubroeck D, Timmerman D. Ultrasound Obstet Gynecol 2018; 51: 147–149.

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SUNDAY 21.10.2018

HALL 1

08:30-09:45

Keynote lectures

Chairs: J.A. Copel (United States); G. Yeo (Singapore)

- 08:30 Welcome from the ISUOG President
J.A. Copel (United States)
- 08:35 What is the evidence about evidence-based medicine?
G. Smith (United Kingdom)
- 09:00 Are women wiser? Women's health at the global level
B. Borisch (Switzerland)
- 09:25 Editor's diary: goodbye and thank you for the downloads
B. Thilaganathan (United Kingdom)

09:45-10:25

ISUOG achievements 2017 incorporating the Annual General Meeting

Chairs: T. Bourne (United Kingdom); J.A. Copel (United States); A.T. Papageorghiou (United Kingdom)

10:25-11:00

Coffee and e-poster viewing

11:00-12:15

Award lectures and top abstracts

Chairs: D. Timmerman (Belgium); L.J. Solomon (France)

- 11:00 **Stuart Campbell lecture:** How should we assess the risk of pre-eclampsia?
N. O'Gorman (France)
- 11:25 **OC01.01** Cervical pessary versus vaginal progesterone for the prevention of preterm birth in women with twins and a cervix
L.K. Nguyen (Vietnam)
- 11:35 **OC01.02** Balancing risks of surgery with risks of conservative management of benign adnexal masses: results from the postmenopausal follow-up arm of IOTA5
W. Froyman (Belgium)
- 11:45 **OC01.03** Added value of fetal growth velocity and Dopplers to biometry in identifying small-for-gestational-age fetuses with adverse perinatal outcome at term
A. Khalil (United Kingdom)
- 11:55 **OC01.04** A multicentre trial on the performance of a two-step triage protocol based on initial serum progesterone and serial hCG used to manage pregnancies of unknown location (PUL)
S. Bobdiwala (United Kingdom)
- 12:05 **OC01.05** Follow-up of children prenatally diagnosed with isolated mild ventriculomegaly
C.K. Ekelund (Denmark)

12:15-13:45

Lunch and e-poster viewing

12:30-13:30

Industry sponsored satellite symposia**

**Lunchtime satellite symposia are brought to you by our sponsors and are not part of the ISUOG CME program. ISUOG takes no responsibility for scientific or clinical content. Please see page 120 for our satellite program.

HALL 1

13:45-15:15

Workshop

NIPT: what technique can do and what clinicians should prescribe

Chairs: F. Grati (Italy); L. Dugoff (United States)

- 13:45 What can we see with NIPT?
M. Norton (United States)
- 14:05 What are the limitations of NIPT?
L. Dugoff (United States)
- 14:25 NIPT versus combined screening: the current state of play
F. Grati (Italy)
- 14:45 Risk of miscarriage
L.J. Salomon (France)

15:15-15:45

Coffee and e-poster viewing

15:45-17:35

Awards and plenaries

Chairs: C.M. Bilardo (Netherlands); G. Condous (Australia)

- 15:45 Presentation and acceptance of the Ian Donald Gold Medal 2018 to J. Deprest
D. Timmerman (Belgium)
- 15:50 Ian Donald Gold Medal lecture: The strength and limitations of fetal surgery: an ongoing odyssey
J. Deprest (Belgium)
- 16:15 The psychological consequences of early pregnancy complications
T. Bourne (United Kingdom)
- 16:40 From obstetrics to nuclear disarmament
R. McCoy (Malaysia)
- 17:05 Ultrasound in a natural disaster: the 2011 Christchurch earthquakes
R. de Ryke (New Zealand)

HALL 3**Workshop****Managing ovarian masses: how to classify masses using IOTA terminology, rules and models – lessons from the IOTA study**

*Chairs: T. Bourne (United Kingdom);
A.C. Testa (Italy)*

- 13:45 How to describe an adnexal mass: IOTA terms and definitions
L. Valentin (Sweden)
- 14:05 What are IOTA easy descriptors and simple rules: how to use them
D. Timmerman (Belgium)
- 14:25 The IOTA ADNEX model: what are the variables and what is the test performance?
T. Bourne (United Kingdom)
- 14:45 Case examples using IOTA ADNEX and simple rules
J. Preisler (Chile); C. Landolfo (Italy)

HALL 4**Workshop****Ultrasound in preventing the great obstetric problems**

*Chairs: A.T. Papageorghiou (United Kingdom);
L. Poon (Hong Kong)*

- 13:45 Pre-eclampsia
L. Poon (Hong Kong)
- 14:05 Preterm birth
H. Feltovich (United States)
- 14:25 Stillbirth
G. Smith (United Kingdom)
- 14:45 Maternal mortality: how could ultrasound help?
A. Abuhamad (United States)



Selected sessions will be available in Mandarin this year at ISUOG 2018!

The Mandarin translation will take place:

Date: Monday 22 October 2018

Location: Session Hall 1

Time: 07.30 -17:30

To enjoy simultaneous interpretation into Mandarin follow these simple steps:

- 1** Access the App Store or Google Play and search for Interpretify
- 2** Download the Interpretify app to your device
- 3** Enter the following passkey **isuog2018**
- 4** Plug in your personal headsets to your device and enjoy the translation!

Please note we will not be providing headsets. There is no additional charge for the translation.

ISUOG 2018 会场将为部分活动提供汉语普通话同声传译

提供汉语普通话同声传译的活动信息如下：

日期: 2018年10月22日 周一

地点: 1厅

时间: 07.30 -17:30

汉语普通话同声传译服务使用方法：

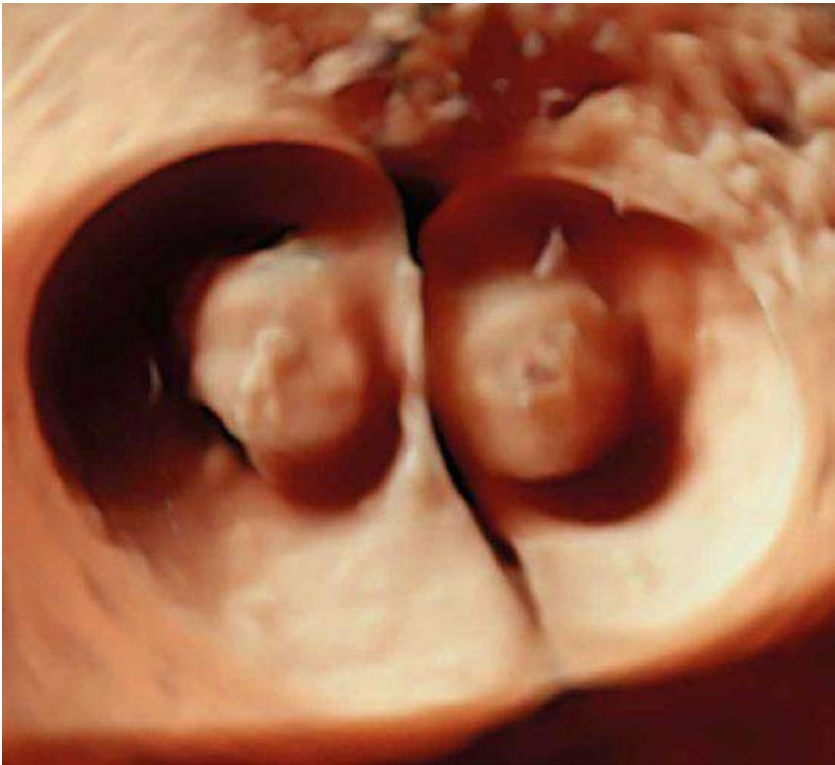
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请知悉：会场不提供耳机或其它收听设备；此项翻译服务免费。



SCIENTIFIC PROGRAM

Monday 22 October 2018



November 2017

Double cervix on 3D saline-contrast sonovaginocervicography with HDlive render mode.

Ludwin A, Martins WP, Ludwin I. Ultrasound Obstet Gynecol 2017; 50: 669–671.

Monday 22.10.2018

HALL 1

07:30-08:10

Masterclass

Cardiac ultrasound: the heart of the matter
R. Chaoui (Germany)



08:15-09:35



Ultrasound and cfDNA working together in the first trimester of pregnancy

Chairs: C.M. Bilardo (Netherlands);
L. Tan (Singapore)

- 08:15 **LIVE SCAN:** First trimester ultrasound: beyond the basics [industry supported*]
C.M. Bilardo (Netherlands)
- 08:35 **OC02.01** The evolution of ultrasound-indicated prenatal diagnosis over the past two decades: a state-wide retrospective cohort study from 1994–2016
L. Hui (Australia)
- 08:43 **OC02.02** Pregnancies at increased risk at first trimester screening: is searching for trisomies enough? Experiences from the Swedish Pregnancy Register
P. Conner (Sweden)
- 08:51 **OC02.04** Non-commercial cell-free DNA testing in routine clinical aneuploidy screening: a three-year experience
M. Hynek (Czech Republic)
- 08:59 **OC02.05** The influence of body mass index on fetal fraction increase and test failure rate in prenatal cell-free DNA testing
M. Reddy (Australia)
- 09:07 **OC02.06** Haplotype-based non-invasive prenatal testing for Duchenne muscular dystrophy: a pilot study in south China
M. Chen (China)
- 09:15 **OC02.07** Risk of miscarriage in women conceiving after medically-assisted reproduction (MAR) with an ultrasound verified live pregnancy at gestational week 7
C.K. Ekelund (Denmark)

HALL 2

Masterclass



First Trimester certificate overview: What is the value of a first trimester scan in 2018
S. Meagher (Australia); L.J. Salomon (France)

Using ultrasound to predict outcomes in fetal anomalies

Chairs: P. Acharya (India);
S. Meagher (Australia)

- 08:15 **INVITED:** Can we modify the natural history of fetal anomalies?
A. Johnson (United States)
- 08:35 **OC03.01** Gastrocardiac angle: a novel method to predict liver herniation in left congenital diaphragmatic hernia
V. Krishnan (India)
- 08:43 **OC03.02** Fetal stomach position for prognostication in left-sided congenital diaphragmatic hernia (CDH): a systematic review and meta-analysis
T.F. Oluoyomi-Obi (Canada)
- 08:51 **OC03.03** Interrater agreement for sonographic stomach position classification in fetal diaphragmatic hernia across the North American Fetal Therapy Network
N. Abbasi (Canada)
- 08:59 **OC03.04** Prenatal assessment and the prognosis in the fetuses with congenital pulmonary airway malformation
A. Takamizu (Japan)
- 09:07 **OC03.05** A novel index of fetal anteroposterior cerebella diameter and cavum septi pellucidi ratio for prenatal diagnosis of Trisomy 18
X. Hong-Ning (China)
- 09:15 **OC03.06** Prenatal diagnosis of fetal ocular defects: a 10-year experience
L. Wu (China)
- 09:23 **OC03.07** Clinical monitoring of sacrococcygeal teratoma using vascularisation index and modelling venous return
C. Wohlmuth (Austria)

HALL 3

Masterclass

Pelvic floor ultrasound: diagnosis and management

H.P. Dietz (Australia)

Managing ovarian masses

Chairs: D. Timmerman (Belgium);

T. Bourne (United Kingdom)

- 08:15 **INVITED:** Can we stratify risk to guide management? Developing the O-RADS system in the United States to guide management
D. Timmerman (Belgium)
- 08:35 **OC04.01** External validation of IOTA three-step strategy for assessment of adnexal masses
J.L. Alcazar (Spain)
- 08:43 **OC04.02** Diagnostic performance of International Ovarian Tumour Analysis (IOTA) logistic regression model (LR2) for adnexal masses classification in a tertiary centre
P. Partana (Singapore)
- 08:51 **OC04.03** Ultrasound and histopathologic correlation of ovarian cystadenofibromas: the pathognomonic "shadow sign"
I.E. Timor-Tritsch (United States)
- 08:59 **OC04.04** Is the introduction of magnetic resonance in the diagnostic workout of adnexal masses just an increase of costs when IOTA Simple Rules are applied?
S. Guerriero (Italy)
- 09:07 **OC04.05** Management of ovarian masses during pregnancy in a London university hospital: a cohort study
C. Landolfo (United Kingdom)
- 09:15 **OC04.06** Detection rate and additional diagnostic value of the IOTA-ADNEX model compared to ultrasound pattern recognition diagnosing borderline ovarian tumours
T. Bartl (Austria)
- 09:23 **OC04.07** Microcysts: a new ultrasound marker of borderline ovarian tumours of low malignant potential
I.E. Timor-Tritsch (United States)

HALL 4

Masterclass

Six steps to easy ultrasound

A. Abuhamad (United States)

Innovation in ultrasound: teaching humans, training machines and keeping patients safe

Chairs: C. Brezinka (Austria); H. Feltovich (United States)

- 08:15 **INVITED:** Artificial intelligence in ultrasound
N. Sleep (United Kingdom)
- 08:35 **OC05.01** An AI system to support sonologists during fetal ultrasound anomaly screening
A.T. Papageorghiou (United Kingdom)
- 08:43 **OC05.02** Virtual reality objects improve learning efficiency and sustained abilities in fetal ultrasound
B. Tutschek (Switzerland)
- 08:51 **OC05.03** Virtual reality projection of fetal cardiac anomalies from three-dimensional prenatal ultrasound data
A. Baschat (United States)
- 08:59 ^{YI}**OC05.04** Developing a SIMULINK mathematical model to simulate the fetal cardiovascular system (CVS)
H. Avnet (Australia / Israel)
- 09:07 **OC05.05** Impact and uptake of ISUOG's Basic Training Program
T.E. Cohen-Overbeek (Netherlands)
- 09:15 **OC05.06** Improving precision of second trimester biometry
C. Loiacono (Australia)
- 09:23 **OC05.07** Transvaginal ultrasound probes are human papillomavirus-free following low-level disinfection: a survey of 667 observations
M. Dommergues (France)

^{YI} This presentation is eligible for the Young Investigator award (to be presented in the closing plenary).

HALL 1

09:40-10:20

Short oral presentation (OP)

OP01 The genomics revolution
*Chairs: M. Norton (United States);
G. Yeo (Singapore)*

10:15-10:45

Coffee and e-poster viewing

10:45-12:05

Ultrasound and MRI of the fetal CNS

*Chairs: M. Sanz Cortes (United States);
D. Prayer (Austria)*

- 10:45 **LIVE SCAN:** I don't need MRI: tips and tricks for the greatest ultrasound pics [industry supported*]
G. Malinger (Israel)
- 11:05 **OC06.01** Quantitative MRI analyses of regional brain growth and cerebral sulcal development in living fetuses with isolated ventriculomegaly and Down's syndrome
T. Tarui (United States)
- 11:13 **OC06.02** Quantitative and qualitative evaluation of the visibility of brain lamination on T2-weighted and fluid-attenuated inversion recovery imaging
M.C. Diogo (Austria)
- 11:21 **OC06.03** Fetal MRI findings in a cohort of 26 cases of prenatally diagnosed CHARGE syndrome
A. Millischer (France)
- 11:29 **OC06.04** Application of prenatal ultrasound combined with fast MRI in the diagnosis of fetal agenesis of corpus callosum
Y. Zheng (China)
- 11:37 **OC06.05** Prenatal cerebellar growth trajectory as novel biomarker for body composition of the newborn
S. Husen (Netherlands)
- 11:45 **OC06.06** Arachnoid cyst: prenatal diagnosis and outcome
T. Borkowski (Israel)
- 11:53 **OC06.07** 'Supersize me' gestational diabetes mellitus results in higher fetal brain volumes due to increased cortical volumes: an age-matched comparison
D. Prayer (Austria)

HALL 2

Short oral presentation (OP)

OP02 Prenatal diagnosis
Chairs: L. Dugoff (United States); S. Eik-Nes (Norway)

Coffee and e-poster viewing

Improving outcomes in twin pregnancies

*Chairs: K. Hecher (Germany);
L.J. Salomon (France)*

- 10:45 **INVITED:** Modern management of twin pregnancy
K. Hecher (Germany)
- 11:25 **OC07.01** Perinatal mortality and morbidity in twin pregnancies with selective fetal growth restriction according to their management: a meta-analysis
A. Khalil (United Kingdom)
- 11:33 **OC07.02** A double-blind placebo controlled randomised trial on using progesterone from first trimester to reduce the incidence of preterm birth in ICSI twins
M. Aboulghar (Egypt)
- 11:41 **OC07.03** The predictive accuracy of the STORK chorionicity-specific twin growth charts for stillbirth: a validation study
A. Khalil (United Kingdom)
- 11:49 **OC07.07** Pregnancy outcomes of multifetal pregnancy reduction in women with dichorionic triamniotic triplets after in vitro fertilisation-embryo transfer
X. Li (China)
- 11:57 **OC07.08** Variations in antenatal surveillance and patient education in monochorionic-diamniotic (MCDA) twins
I. Datkhaeva (United States)

HALL 3

Short oral presentation (OP)

OP03 Managing ovarian masses

Chairs: W. Froyman (Belgium); J. Preisler (Chile)

Coffee and e-poster viewing

Ultrasound to help manage the oncology patient

Chairs: A.C. Testa (Italy); E. Epstein (Sweden)

- 10:45 **OC08.01** Comparing ultrasound, CT and WB-DWI/ MRI for staging ovarian cancer
D. Fischerová (Czech Republic)
- 11:05 **OC08.02** A preoperative risk model with ultrasound variables to assess lymph node metastasis in endometrial cancer patients: a model development and validation study by the IETA group
L. Wynants (Belgium)
- 11:13 **OC08.03** Subjective and objective strategies to assess myometrial invasion and cervical stromal invasion in women with endometrial cancer from the IETA cohort
F. Mascilini (Italy)
- 11:21 **OC08.04** Preoperative prediction of recurrence using sonography, demographics and the proactive molecular risk classifier for endometrial cancer (ProMisE)
E. Epstein (Sweden)
- 11:29 ^{YI}**OC08.05** The efficacy of preoperative ultrasound in detecting uterine sarcoma prior to myomectomy
E. Bean (United Kingdom)
- 11:37 **OC08.06** Added value of sonography to preoperative evaluation of advanced stage epithelial ovarian cancer: selecting treatment options
N. Boms Yonai (Israel)
- 11:45 **OC08.07** Ultrasound-based score for predicting debulking surgery outcome in IIB-IV stage epithelial ovarian cancer
J.L. Alcazar (Spain)
- 11:53 **OC08.08** Clinical and ultrasound characteristics of the microcystic elongated and fragmented (MELF) pattern in endometrial cancer according to the International Endometrial Tumor Analysis (IETA) criteria
D. Fischerová (Czech Republic)

HALL 4

Short oral presentation (OP)

OP04 Technologies to improve our practice

Chairs: A. Baschat (United States); A.T. Papageorghiou (United Kingdom)

Coffee and e-poster viewing

10:45-11:40 Abnormally invasive placenta

Chairs: A. Ngu (Australia); A. Youssef (Italy)

- 10:45 **OC09.01** Morbidly adherent placenta: from imaging to management
J. Shih (Taiwan)
- 11:10 **OC09.02** The value of contrast-enhanced ultrasound (CEUS) in evaluating the effect of uterine artery embolisation in morbidly adherent placenta after delivery
W.C. Chen (China)
- 11:18 **OC09.04** Diagnosis of placenta accreta starts at first trimester: is it resource intensive?
A. Bhatia (Singapore)
- 11:26 **OC09.05** MRI findings in placenta accreta spectrum disorders: correlation with ultrasound and anatomopathological findings
D. Covini (Argentina)


11:40-12:05 Short oral presentation (OP)

OP05 Abnormally invasive placenta: placenta accreta and more

Chairs: A. Ngu (Australia); A. Youssef (Italy)

^{YI} This presentation is eligible for the Young Investigator award (to be presented in the closing plenary).

HALL 1

- 12:10-12:50** **Short oral presentation (OP)**
OP06 Toward better fetal CNS imaging
*Chairs: D. Paladini (Italy);
I.E. Timor-Tritsch (United States)*
- 12:45-14:15** **Lunch and e-poster viewing**
- 13:00-14:00** **Industry sponsored satellite symposia****
- 14:15-15:35**  **The challenge of screening in pregnancy: pre-eclampsia, IUGR and preterm birth**
Chairs: A. Baschat; A. Odibo (United States)
- 14:15 **ISUOG GUIDELINES:** screening for and follow up of pre-eclampsia
A. Sotiriadis (Greece)
- 14:31 **OC10.01** ASPRE trial: incidence of preterm pre-eclampsia in patients fulfilling ACOG and NICE criteria according to risk by the FMF algorithm
L. Poon (Hong Kong / United Kingdom)
- 14:39 **OC10.02** Implementation of first trimester screening for PE and FGR in low-resource settings
S. Lakshmy (India)
- 14:47 **OC10.03** Prediction of small-for-gestational age with severe adverse perinatal outcome or neonatal morbidity at term
A. Khalil (United Kingdom)
- 14:55 **OC10.04** Utility of orbital and central retinal artery Doppler in first trimester for prediction of pre-eclampsia and also to elucidate the underlying mechanism of abnormal maternal hemodynamics in pre-eclampsia
V. Kashyap (India)
- 15:03 **OC10.05** How effective are we at detecting small-for-gestational-age infants?
K. Stephens (United Kingdom)

HALL 2

- Short oral presentation (OP)**
OP07 Improving outcomes in twin pregnancies
*Chairs: A. Gagnon (Canada);
E. Gratacós (Spain)*
- Lunch and e-poster viewing**
- Cardiac function and improved screening**
*Chairs: G.R. DeVore (United States);
A. Khurana (India)*
- 14:15 **INVITED:** Tips and tricks for imaging the fetal heart
G.R. DeVore (United States)
- 14:45 ^{VI}**OC11.01** Why congenital heart defects are being missed
A. van Nesselrooij (Netherlands)
- 14:53 **OC11.02** Outcomes of 271 Anti-Ro antibody-positive pregnancies surveilled by echocardiography and home Doppler monitoring: an international multicentre prospective study
B. Cuneo (United States)
- 15:01 **OC11.03** Prenatal prognostic markers of short- and long-term outcomes in immune complete atrioventricular block
J. Stirneman (France)
- 15:03 **OC11.04** Fetal surveillance of anti-Ro/anti-La affected pregnancies: is there a consensus? Results of an international survey
J.S. Carvalho (United Kingdom)
- 15:17 **OC11.05** Comparison of clinical manifestation in fetuses with Ebstein's anomaly and pulmonary atresia with intact ventricular septum
H. Park (Republic of Korea)

^{VI} This presentation is eligible for the Young Investigator award (to be presented in the closing plenary).

**Lunchtime satellite symposia are brought to you by our sponsors and are not part of the ISUOG CME program. ISUOG takes no responsibility for scientific or clinical content. Please see page 120 for our satellite program.

HALL 3

Short oral presentation (OP)

OP08 Ultrasound to help manage the oncology patient

Chairs: T. Lin Yong Kuei (Singapore); J. Yazbeck (United Kingdom)

Lunch and e-poster viewing

Investigating bleeding: endometrial and myometrial pathology

Chairs: S. Goldstein (United States); J. Huirne (Netherlands)

- 14:15 **OC12.01** Reporting the endometrium and intracavitary lesions using the IETA terminology: results of the IETA-1 multicentric prospective study
T. Van den Bosch (Belgium)
- 14:30 **OC12.02** A comparison of demographic characteristics between women with benign and malignant endometrium: results of the IETA-1 multicentre prospective study
T. Van den Bosch (Belgium)
- 14:38 **OC12.03** An ultrasound-based algorithm to determine the likelihood of various causes of abnormal uterine bleeding: a proposal by the IETA group
L. Wynants (Belgium)
- 14:46 **OC12.04** IETA prognostic markers of malignancy at sonohysterography in postmenopausal patients with postmenopausal bleeding and thickened endometrium at transvaginal sonography
F. Leone (Italy)
- 14:54 **OC12.05** The impact of obesity on clinical and sonographic findings among women with postmenopausal bleeding
O. Rotenberg (United States)

HALL 4

Short oral presentation (OP)

OP09 Screening for pregnancy complications: infection and prematurity

Chairs: V. Berghella (United States); C. Hsiao (Taiwan)

Lunch and e-poster viewing

Workshop

ISUOG Basic Training: train the trainer

Chairs: R.S. Abu-Rustum (United States); A. Tabor (Denmark)

- 14:15 Understanding the ISUOG vision and the BT mission: ISUOG's role in training and the BT guideline
R.S. Abu-Rustum (United States)
- 14:20 ISUOG BT four-step approach: understanding program structure, phases (including assessments and certification) and partners
A. Tabor (Denmark)
- 14:30 Introducing the BT theoretical component: four-day components – PowerPoints, mode of delivery
T.E. Cohen-Overbeek (Netherlands)
- 14:40 Introducing the BT practical component: what is required to demonstrate skill?
T. Chudleigh (United Kingdom)
- 14:50 The role of simulation: where available, how can we use it?
G. Chalouhi (France)
- 15:00 Teaching Basic Training: the challenges, the level and the continuity in teaching
S. Suresh (India)
- 15:10 Basic Training resources: online platform, beaming, courses
C.M. Bilardo (Netherlands)
- 15:15 Applying to have a local BT course delivered: how, trainers, costs
E. Xilakis (United Kingdom)

HALL 1

- 15:11 **OC10.06** Complement biomarker C5b-9 is associated with abnormal umbilical and MCA artery Doppler in hypertensive disease in pregnancy < 34 wk: the COPA study
J.E. Tolosa (United States)
- 15:19 **OC10.07** 17a-hydroxyprogesterone caproate for the prevention of recurrent preterm birth: systematic review and meta-analysis
R.J. Martinez-Portilla (Spain)
- 15:27 ^{YI}**OC10.08** The risk of preterm birth in vanishing twin: a multicentre prospective cohort study
S. Jisu (Republic of Korea)

HALL 2

- 15:23 **OC11.07** Prenatal identification of atrioventricular septal defect and associated genomic abnormality by fetal echocardiography and whole genome sequencing
S. Ge (United States)

15:35-16:00

Coffee and e-poster viewing

Coffee and e-poster viewing

16:00-17:30

Workshop Effective screening for congenital heart disease

Chairs: J.S. Carvalho (United Kingdom); J.A. Copel (United States)

- 16:00 **LIVE SCAN:** ISUOG guidelines in practice [industry supported*]
J.S. Carvalho (United Kingdom)
- 16:20 Abnormalities of the four chamber view: from anatomy to ultrasound
J.A. Copel (United States)
- 16:40 How to diagnose TGA and other abnormalities of the outflow tracts
R. Chaoui (Germany)
- 17:00 Image quiz
J.S. Carvalho (United Kingdom)

Workshop Identifying and managing fetal growth restriction

Chairs: C. Lees (United Kingdom); F. Figueras (Spain)

- 16:00 FGR: from adaptation to maladaptation
A. Baschat (United States)
- 16:20 Early versus late growth restriction: are they two different conditions?
F. Figueras (Spain)
- 16:40 Monitoring parameters and their strengths and weaknesses
C. Lees (United Kingdom)
- 17:00 Case presentation: late IUGR
F. Figueras (Spain)
- 17:05 Case presentation: early IUGR
C. Lees (United Kingdom)
- 17:10 Case presentation: twin IUGR
A. Baschat (United States)

17:45-18:45

Industry sponsored satellite symposia**

^{YI} This presentation is eligible for the Young Investigator award (to be presented in the closing plenary).

* Scientific content of sessions is defined by the Scientific Committee; ultrasound systems and technical support are provided by sponsors.

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HALL 3

- 15:02 **OC12.06** Validation of objective measurements to predict myometrial or cervical stromal invasion and prediction models to predict high-risk endometrial cancer
E. Epstein (Sweden)
- 15:10 ^{YI}**OC12.07** Development of a clinical prediction model for diagnosing adenomyosis
T. Tellum (Norway)
- 15:18 **OC12.08** High-intensity focused ultrasound of uterine fibroids: the role histogram parameters of quantitative T1 perfusion in predicting treatment outcome
H.Q. Huy (Vietnam)

Coffee and e-poster viewing

Workshop

Using ultrasound to help manage patient with a possible gynecological malignancy (imaging in oncology)

*Chairs: D. Timmerman (Belgium);
D. Fischerová (Czech Republic)*

- 16:00 Imaging metastatic disease to and from the ovary
D. Fischerová (Czech Republic)
- 16:20 The ultrasound features of some of the more rare adnexal masses including solid ovarian lesions
L. Valentin (Sweden)
- 16:40 How to use ultrasound to determine the extent of cervical and endometrial cancer: practical advice and case examples
E. Epstein (Sweden)
- 17:00 What's in a papillation: what is the relevance of cyst wall irregularities and solid projections into ovarian cyst? Are they always a concern for malignancy?
C. Landolfo (Italy)

HALL 4

Workshop

Ultrasound for everyone, everywhere: is it possible?

*Chairs: G. Visser (Netherlands);
S. Campbell Westerway (Australia)*

- 16:00 Clinical problems of lack of ultrasound
S. Suresh (India)
- 16:20 Is implementation of the ultrasound component of the WHO recommendations on 'antenatal care for a positive pregnancy experience' possible?
S. Campbell Westerway (Australia)
- 16:40 Are there undesired effects of ultrasound?
Y. Ville (France)
- 17:00 Technological solutions: can artificial intelligence help?
A.T. Papageorghiou (United Kingdom)

HALL 5

14:30-17:30



WATOG Ultrasound workshop

- 14:30 Introducing WATOG the World Association of trainees in Obstetrics and Gynecology
K. Dimassi (Tunisia)
- 14:50 Gynaecological ultrasound in the ER – what to look for? (Evolution of early pregnancy, ectopic pregnancy, ovarian cysts, fibromas)
W. Almeida (Australia)
- 15:20 Biometry, biophysical profile and Doppler – for everyday needs (HC, BPD, AC, FL, placenta, amniotic fluid, umbilical and uterine artery Doppler)
W. Almeida (Australia)
- 15:50 Basic plans of the 1st trimester scan – how to get a correct plan for the CRL and the NT
W. Almeida (Australia)
- 16:20 Basic plans for the 2nd trimester scan – explanation of anatomical references and the position of plans compared to each other
O. Ami (France)
- 16:50 Ultrasound in the delivery room – how it can be useful? *K. Dimassi (Tunisia)*

Hubs

	HUB 1	HUB 2
08:15-09:15	Interactive Special interest group: heart <i>Chair: J.S. Carvalho (United Kingdom)</i>	
09:40-10:20	Poster discussion (P) P01: Cardiac genetics and screening <i>Chair: E. Gratacós (Spain)</i>	Poster discussion (P) P02: Challenges in fetal diagnosis <i>Chair: A. Odibo (United States)</i>
10:25-10:50	Interactive In conversation with <i>F. Figueras</i> : Late IUGR	Interactive In conversation with <i>P. Acharya</i> : Fetal echo by 'STIC and silhouette'
11:00-12:00	Interactive Special interest group: Doppler <i>Chair: C. Lees (United Kingdom)</i>	Interactive In conversation with <i>T. Ghi</i> : Labour guidelines explained
12:10-12:50	Poster discussion (P)  P05: Fetal anomalies from the first trimester onwards <i>Chair: L.D. Platt (United States)</i>	Poster discussion (P) P06: Ultrasound in the labour ward <i>Chair: G. Chalouhi (France)</i>
13:00-14:00	Guidelines Chinese <i>Chair: Q. Wu (China)</i>	Guidelines Spanish <i>Chair: M. Herrera (Colombia)</i>

HUB 3**Interactive**

WATOG: legal, ethical and psychological issues behind a simple ultrasound scan
Chair: A. Gagnon (Canada)

Poster discussion (P)

P03: Early pregnancy care
Chairs: S. Bobdiwala (United Kingdom); G. Condous (Australia)

Interactive

In conversation with *L. Poon*:
 Prediction and prevention of pre-eclampsia: implementation and challenges

Interactive

Evaluating the abdomen and GU: the Basic Training approach
Chair: R.S. Abu-Rustum (United States)

Small group masterclass

Investigating women with abnormal bleeding
Chair: S. Goldstein (United States)

HUB 4**Poster discussion (P)**

P04: All about fetal growth
Chair: A. Khalil (United Kingdom)

Interactive

In conversation with *G.R. DeVore*:
 Evaluation of fetal cardiac function: why, when and how!

Interactive

Discover VISUOG
Chair: J. Hyett (Australia)

The basic steps of an obstetric ultrasound: Basic Training film screening

Guidelines

French
Chair: G. Haddad (France)

OP - Monday 22.10.2018

OP01: The genomics revolution

Chairs: M. Norton (United States); G. Yeo (Singapore)

The impact of introducing non-invasive prenatal screening (NIPS) into routine prenatal care on timing of first ultrasound and on diagnostic testing

P. Dar (United States)

NIPS for high-BMI patients: evaluating the impact of deep whole-genome sequencing on sensitivity and residual risk

J.D. Goldberg (United States)

A clinical comparative study between conventional fetal aneuploidy screening and contingent screening using the non-invasive prenatal testing

A. Bernabeu (Spain)

Prevalence of chromosome abnormalities and uptake of further testing after positive combined first trimester screening in Chinese women: a retrospective cohort study

K. Leung (Hong Kong)

Whole exome sequencing improves the genetic diagnosis in fetuses with increased nuchal translucency

M. Chen (China)

Targeted cfDNA analysis using DANSR assays for determination of fetal RHD status

M. Schmid (United States)

Association between placental volume and cell-free fetal DNA fraction in maternal circulation

K. Patel (United States)

Association between placental volume and cell-free DNA assay failure

K. Patel (United States)

Finding the genomic bases of ultrasound-detected fetal anomalies in first trimester by whole-genome sequencing

Y. Yang (China)

Factors affecting fetal fraction in a Southeast Asian population

C. Jia Ying (Singapore)

Hall 1

OP01.01

OP01.02

OP01.03

OP01.04

OP01.05

OP01.06

OP01.07

OP01.08

OP01.09

OP01.10

OP02: Prenatal diagnosis

Chairs: L. Dugoff (United States); S. Eik-Nes (Norway)

Prenatal ultrasound features in a case of Kabuki syndrome

P. Liana (Romania)

Placental mesenchymal dysplasia with hepatic mesenchymal hamartoma: a case report

H. Boo (Republic of Korea)

Does adjustment for fetal weight relate to the likelihood of underlying abnormality in polyhydramnios?

C. Kyriacou (United Kingdom)

The association between maternal prepregnancy obesity and congenital malformations in offspring

S. Kim (Republic of Korea)

First trimester diagnosis of Sirenomelia

S.R. Satarkar (India)

First trimester ultrasound evaluation of cleft palate: mid-sagittal, axial or coronal view – which view is best?

S. Lakshmy (India)

The natural history of isolated polydactyly of fetal upper limb diagnosed at 11–13 week scan

E.S. Nekrasova (Russian Federation)

OP02.01

OP02.02

OP02.03

OP02.04

OP02.05

OP02.06

OP02.07

Hall 2

3D printing in fetal medicine <i>H. Werner (Brazil)</i>	OP02.08
An audit of polyhydramnios referrals to a tertiary fetal medicine centre <i>C. Kyriacou (United Kingdom)</i>	OP02.09

OP03: Managing ovarian masses

Chairs: W. Froyman (Belgium); J. Preisler (Chile)

GIRADS ovarian tumour classification: a meta-analysis <i>M. Yamamoto (Chile)</i>	OP03.01
A score system to assess the risk of ovarian malignancy at ultrasound: predictors and nomogram-based analyses <i>V. Chiappa (Italy)</i>	OP03.02
Diagnostic extended usefulness of RMI: comparison of four risk of malignancy index in preoperative differentiation of borderline ovarian tumours and benign ovarian tumours <i>L.T. Sun (China)</i>	OP03.03
Evaluating risk of malignancy in adnexal masses with ultrasound: a retrospective diagnostic accuracy study <i>H. Reina (Switzerland)</i>	OP03.04
Clinical history of low-risk ovarian lesions in postmenopausal women <i>F. Leone (Italy)</i>	OP03.05
WITHDRAWN	
Transvaginal colour Doppler ultrasound in early diagnosis of ovarian cancer: our experience since 1999 <i>M. Pascual (Spain)</i>	OP03.07
Role of CA125/CEA ratio and ultrasound parameters in identifying metastases to the ovaries in patients with multilocular and multilocular-solid ovarian masses <i>F. Mascilini (Italy)</i>	OP03.08
Artificial intelligence (AI) weights the importance of factors predicting malignancy at the time of ultrasonographic (US) examination <i>V. Chiappa (Italy)</i>	OP03.09

OP04: Technologies to improve our practice

Chairs: A. Baschat (United States); A.T. Papageorghiou (United Kingdom)

Improving surface cleanliness of patient-ready ultrasound equipment <i>S. Campbell Westerway (Australia)</i>	OP04.01
Employing Kirpatrick evaluation framework (KEF) for evaluating antenatal point of care ultrasound (POCUS) training to health professionals in remote South Australia in low-resource settings <i>N. Parange (Australia)</i>	OP04.02
Manual versus automated segmentation for the computed assessment of the fetal face from ultrasound scans: preliminary results from a pilot study <i>A. Dall'Asta (Italy)</i>	OP04.03
Impact of fetal brain ultrasound tutor smartphone application on normal anatomy learning <i>A. Dall'Asta (Italy)</i>	OP04.04
Compensating for ultrasound (US) machine settings: can a 'sub-noise gain' (SNG) preserve the appearance of power Doppler (PD) and computed indices? <i>A. Gomes de Melo Tavares Ferreira (Australia)</i>	OP04.05
ISUOG Basic Ultrasound training in Oman: knowledge transfer in ultrasound for the improvement of obstetric and gynecological care worldwide <i>N. Vrachnis (Greece)</i>	OP04.06
3D printing of the fetal heart from prenatal ultrasound derived data <i>A. Baschat (United States)</i>	OP04.07

Hall 3

Hall 4

OP05: Abnormally invasive placenta: placenta accreta and more**Hall 4***Chairs: A. Ngu (Australia); A. Youssef (Italy)*

Accuracy of ultrasound in prenatal diagnosis of morbidly adherent placenta in patients with placenta previa OP05.01

A.T. Lam (Vietnam)

An ultrasonic scoring system to predict the prognosis of placenta accreta: a prospective cohort study OP05.02

Y. Chong (China)

Development of nomograms based on validation of scoring model for predicting peripartum complications in placenta previa OP05.03

Y. Kim (Republic of Korea)

Identification of arterial pulse waves by colour Doppler flow within the bladder wall interface predicts placenta percreta: a case series OP05.04

K. Patel (United States)

Comparison of contrast-enhanced ultrasound (CEUS) with colour Doppler ultrasound in the assessment of perfusion in morbidly adherent placenta OP05.05

W.C. Chen (China)

WITHDRAWN OP05.06

Management of the morbidly adherent placenta previa with internal iliac arteries temporary balloon occlusion and Caesarean hysterectomy OP05.07

A.E. Zimmer (Poland)

Conservative surgery for placenta accreta at Tu Du Hospital, Vietnam OP05.08

*A.B. Vuong (Vietnam)***OP06: Toward better fetal CNS imaging****Hall 1***Chairs: D. Paladini (Italy); I.E. Timor-Tritsch (United States)*

MRI in the assessment of fetal ventriculomegaly: the value of FLAIR sequence OP06.01

M.C. Diogo (Austria)

New method for evaluation of short and partial agenesis of corpus callosum OP06.02

R. Tepper (Israel)

Fluid-attenuated inversion recovery sequences in the diagnosis of lissencephaly on fetal MRI OP06.03

M.C. Diogo (Austria)

Comparison between two-dimensional and three-dimensional assessment of the corpus callosum: reproducibility of measurements and acquisition time OP06.04

L. Pamar (Switzerland)

The usefulness of prenatal imaging features in discovering pathogenic genomic variations in fetal a genesis of corpus callosum OP06.05

Y. Yang (China)

WITHDRAWN OP06.06

Middle cerebral artery pulsatility index may predict fetal cerebral injury in pregnancy complicated by cytomegalovirus infection OP06.07

E. Cosmi (Italy)

Intelligent recognition of fetal brain planes and automatic measurements of fetal brain parameters by three-dimensional ultrasound OP06.08

D. Zhao (China)

Subependymal pseudocyst in the fetal brain: prenatal diagnosis and outcomes OP06.09

O. Picone (France)

OP07: Improving outcomes in twin pregnancies**Hall 2**

Chairs: A. Gagnon (Canada); E. Gratacós (Spain)

- Ultrasound assessment of twin reversed arterial perfusion sequence for predicting adverse pregnancy outcome in the first trimester
T. Ying (China) OP07.01
- Outcomes of cervical cerclage in twin pregnancies complicated by cervical shortening
K. Narang (United States) OP07.02
- First trimester assessment of cervical length as a predictor of preterm birth in IVF/ICSI twin pregnancies
M. Aboulghar (Egypt) OP07.03
- The association of Crown–rump length discordance and obstetrical outcome in twin pregnancies
S. Kim (Republic of Korea) OP07.04
- Discordancy in amniotic fluid volume of twin pregnancy with preterm premature rupture of membrane: oligohydramnios versus normal amniotic fluid
S. Hong (Republic of Korea) OP07.05
- Impact of vacuum extraction in preterm birth: comparison between twin pairs
S. Kim (Republic of Korea) OP07.06
- The accuracy of sonographic assessment of head circumference in twin pregnancies: difference between twins A and B
A. Shrim (Israel) OP07.07
- Social media as a resource for monochorionic-diamniotic (MCDA) twin pregnancies
I. Datkhaeva (United States) OP07.08
- Accuracy of second and third trimester ultrasound in determining chorionicity in twin pregnancies
C.J. Stewart (South Africa) OP07.09
- Placenta reperfusion in monochorionic twin pregnant cases with intrauterine demise of one fetus
Z. Hu (China) OP07.10

OP08: Ultrasound to help manage the oncology patient**Hall 3**

Chairs: T. Lin Yong Kuei (Singapore); J. Yazbeck (United Kingdom)

- Role of endoscopic ultrasound guided FNA (EUS-FNA) for confirming pelvic/abdominal recurrence in gynecological cancer: a feasibility study
J.L. Alcazar (Spain) OP08.01
- Learning curve for assessing myometrial infiltration in endometrial cancer by transvaginal ultrasound based on video clip interpretation
J.L. Alcazar (Spain) OP08.02
- Preoperative prediction of uterine sarcoma using T2 weighted imaging and apparent diffusion coefficient (ADC) on MRI and its clinical application
Y. Oka (Japan) OP08.03
- Clinical and ultrasound characteristics of malignant ovarian masses in pregnant women
F. Mascilini (Italy) OP08.04
- Comparison of decreased blood flow detected by ultrasound with pathological findings in patients with neoadjuvant chemotherapy in cervical carcinoma
K. Uno (Japan) OP08.05
- Gray-scale and colour Doppler sonography in differentiating between uterine sarcoma and leiomyoma at the University of the Philippines, Philippine General Hospital: a five-year retrospective review
I.A. Figueras-Prieto (Philippines) OP08.06
- Can whole-genome sequencing assist in the detection of leiomyosarcoma?
K. Stone (Australia) OP08.07
- Transvaginal ultrasound guided trucut biopsies success rate and complications
E. Dreisler (Denmark) OP08.08

Gastrointestinal stromal tumour presenting as pelvic masses <i>Y. Zhou (China)</i>	OP08.09
The ultrasonographic findings of uterine carcinosarcoma <i>Y. Ren (China)</i>	OP08.10

OP09: Screening for pregnancy complications: infection and prematurity

Chairs: V. Berghella (United States); C. Hsiao (Taiwan)

The cervical strain elastography in predicting the risk of spontaneous preterm birth <i>J. Li (China)</i>	OP09.01
Interobserver variability of elasto strain ratio in the assessment of the uterine cervix in pregnancy <i>P. Czuczwar (Poland)</i>	OP09.02
Serial cervical length as a predictor of histologic chorioamnionitis in late preterm birth <i>J. Song (Republic of Korea)</i>	OP09.03
The cervical sliding sign: a new ultrasound tool in the assessment of threatened preterm labour <i>A. Dall'Asta (Italy)</i>	OP09.04
Fetal pulmonary artery velocity waveform and its ratio to the aortic in predicting respiratory distress syndrome on 28 until 36 weeks of gestational age <i>A. Martadiansyah (Indonesia)</i>	OP09.05
Peripheral insertion of umbilical cord, as a factor of short-delivery latency in preterm labour and preterm premature rupture of membranes <i>S. Choi (Republic of Korea)</i>	OP09.06
First trimester biochemical and biophysical markers in patients with a first trimester CMV seroconversion <i>N. O'Gorman (France)</i>	OP09.07
Laboratory, ultrasound and pregnancy outcomes among Zika-exposed travellers: initial experience with a centralised testing program <i>P. Dar (United States)</i>	OP09.08

Hall 4

P - Monday 22.10.2018

P01: Cardiac genetics and screening

Hall 6 Hub 1

Chair: E. Gratacós (Spain)

- Wide and elongated aortic arch: a marker for chromosomal and genetic abnormalities
J.S. Carvalho (United Kingdom) P01.01
- Frequency of 22q11 microdeletion syndrome in fetuses with conotruncal heart disease
S. Ge (United States) P01.02
- Fetal echocardiographic features and whole-exome sequencing results of ventricular non-compaction cardiomyopathy
S. Ge (United States) P01.03
- Comparison of high definition (HD) flow and B flow with traditional ultrasound parameters (NT,DV) in assessing fetal heart during first trimester screening
S. Piri (Islamic Republic of Iran) P01.04
- Rapid screening malformation of fetal conical stem and great vascular in early pregnancy
X. Yin (China) P01.05
- Screening fetal echocardiography in the first trimester: a feasibility study
L. Natarajan (India) P01.06
- A fetus case at 12 gestational weeks that the STIC method was useful for diagnosing fetal tachyarrhythmia
N. Inamura (Japan) P01.07
- STIC during routine fetal anomaly scan improves rate of completion of fetal cardiac examination and decreases referral for fetal echocardiogram
B.I. Ahmed (Qatar) P01.09
- Postnatal detection of critical congenital heart disease is associated with inconsistent prenatal ultrasound screening
D. Goff (United States) P01.10
- Right-to-left ventricular disproportion of the fetal heart: a marker for D-transposition of the great arteries
G.R. DeVore (United States)

P02: Challenges in fetal diagnosis

Hall 6 Hub 2

Chair: A. Odibo (United States)

- Glial periorbital heterotopia: a rare type of peri-orbital mass – a case report and a literature review
L.J. Salomon (France) P02.01
- Otocephaly-Agnathia
U. Tserensambuu (Mongolia) P02.02
- Antenatal ultrasound detection of Beckwith–Weidemann syndrome
Y. Ting (Hong Kong) P02.03
- Diagnosis of Herlyn–Werner–Wunderlich as a result of fetal anomalies in the second trimester scan
V. Schiffer (Netherlands) P02.04
- Is prenatal detection of isolated aberrant right subclavian artery associated with aneuploidy and 22q11 microdeletion?
C. Cheong (Singapore) P02.05
- The combination of fetal ultrasound and fetal MR imaging is effective for diagnosis and identification of cases requiring EXIT procedure
S. Dahi (Japan) P02.06
- Prenatal ultrasound description of congenital toxoplasmosis
O. Picone (France) P02.07
- Prediction of functional pulmonary hypoplasia using magnetic resonance imaging (MRI)
J. Sakuma (Japan) P02.08
- Prenatal diagnosis and genetic counselling of FGFR3 gene-related fetal skeletal dysplasia with analysis of 13 clinical cases
Y. Liu (China) P02.09

- Congenital lung malformations: suboptimal agreement between prenatal and postnatal diagnosis P02.10
A. Hijkoop (Netherlands)
- A new sign to be sure of soft palate integrity: the uvula-epiglottis distance P02.11
J. Develay-Morice (France)

P03: Early pregnancy care

Hall 6 Hub 3

Chairs: S. Bobdiwala (United Kingdom); G. Condous (Australia)

- Intrauterine pregnancy of uncertain viability: qualitative and quantitative analysis of knowledge of prognosis and information offered to women P03.01
K. Lawson (United Kingdom)
- Outcomes of patients diagnosed with pregnancy of unknown location: US urban population P03.02
O. Rotenberg (United States)
- Ultrasonic diagnostic skills for early unruptured tubal pregnancy P03.03
R. Chu (China)
- Temporal and external validation of a mathematical model to predict the risk of miscarriage in women noted to have a viable intrauterine pregnancy at the first ultrasound P03.04
N. Stamatopoulos (Australia)
- Medical termination of pregnancy (MToP) up until the 7th week of gestation: the role of hCG and ultrasound in pregnancy diagnosis and MToP follow-up P03.05 & P03.06
M. Lubusky (Czech Republic)
- Outcomes in patients with first trimester pregnancy complications in El Beid Obstetrics and Gynecology Hospital, Sudan P03.07
A.A. Ahmed (Sudan)
- Transvaginal versus transperineal ultrasound in the evaluation of the cervical length assessment after cervical cerclage P03.08
P. Liana (Romania)

P04: All about fetal growth

Hall 6 Hub 4

Chair: A. Khalil (United Kingdom)

- Investigation of isolate fetal growth restriction by CMA P04.01
F. Yang (China)
- Fetal growth in IVF/ICSI pregnancies and the effect of culture media P04.02
V. Schiffer (Netherlands)
- Fetal adrenal measurement in small-for-gestational-age (SGA) fetuses P04.03
U. Sennaiyan (Australia)
- Compensatory dilatation of umbilical arterial diameter in isolated single umbilical artery P04.04
Y. Park (Republic of Korea)
- Local and personalised operator-tailored fetal weight estimation formulas are better than standard formulas P04.05
S. Porat (Israel)
- The role of late third trimester ultrasound in the detection of fetal macrosomia in patients with gestational diabetes P04.06
P. Šimják (Czech Republic)
- Effect of selected factors on accuracy of sonographic fetal weight estimation P04.07
T. Fuchs (Poland)
- The use of anatomical intelligence to automate fetal biometry P04.08
M.S. Ruma (United States)
- The use of automated assessment of fractional limb volume for fetal birthweight estimation: a prospective study P04.09
M.A. Gembicki (Germany)
- Correlation of changes in Doppler flow with pregnancy outcomes in early- and late-fetal growth restriction P04.10
L. Zhang (China)
- Increased fetal pulse wave velocity and pulse pressure in growth-restricted fetuses with heart-sparing effect P04.11
S. Miyashita (Japan)

CPR and aortic isthmus (AoI) velocities relationships: a pilot study
M. Yamamoto (Chile) P04.12

P05: Fetal anomalies from the first trimester onwards

Hall 6 Hub 1

Chair: L. Platt (United States)

Chromosomal microarray: beyond copy number variations P05.01

S. Yagel (Israel)

Clinical analysis of persistent right umbilical vein fetuses diagnosed by prenatal ultrasound P05.02

Y. Zhou (China)

The prenatal sonographic diagnosis and value assessment of fetal intra-abdominal cystic lesions P05.03

Q. Wu (China)

Omphalocele: parent-reported motor function, cognition, health status, quality of life and behaviour at school age P05.04

A. Hijkoop (Netherlands)

Prenatal presentation of fibrochondrogenesis: a rare lethal skeletal dysplasia P05.05

J.E. Dickinson (Australia)

The effect of exposure of air pollutants on congenital anomalies at the time of conception P05.06

T. Kim (Republic of Korea)

Role of TUI in evaluating palatine clefts: a novel diagnostic approach P05.07

S. Lakshmy (India)

A study of postmortem three-dimensional ultrasonography with novel rendering to assess fetal anatomy P05.08

H. Shah (United Kingdom)

Virtual reality and feasibility and efficacy of first trimester ultrasound: a randomised controlled trial P05.09

(VR FETUS study)

C. Pietersma (Netherlands)

Using whole-exome sequencing in prenatal diagnosis of severe fetal abnormalities P05.10

V. Schiffer (Netherlands)

P06: Ultrasound in the labour ward

Hall 6 Hub 2

Chair: G. Chalouhi (France)

Prediction of the outcome of labour in induced prolonged pregnancy by transvaginal ultrasonographic measurement of cervical length P06.01

A. Thakur (Nepal)

Performance of distance of progression PD in predicting Caesarean delivery in first stage of labour in relation to cervical dilatation P06.02

N.A. Elbarbary (Egypt)

Women's acceptance on prelabour ultrasound assessment P06.03

Y.V. Chan (China)

Association between cervical length measured by transperineal ultrasound before labour and time of delivery P06.04

Y.V. Chan (China)

Association between head perineum distance measured by transperineal ultrasound before labour and time of delivery P06.05

Y.V. Chan (Hong Kong)

Uterine involution patterns after elective Caesarean section P06.06

M.S. Elsedek (Egypt)

Time to delivery based on sonographic assessment prior to forceps and vacuum: a pilot study P06.07

S. Usman (United Kingdom)

Prediction of emergency Caesarean sections; which variables are important? P06.08

S. Usman (United Kingdom)

How reliable is fetal occiput and spine position assessment prior to induction of labour? P06.09

R.A. Kamel (Egypt)

Prediction of emergency Caesarean sections: does umbilicocerebral ratio have a role to play? P06.10

S. Usman (United Kingdom)

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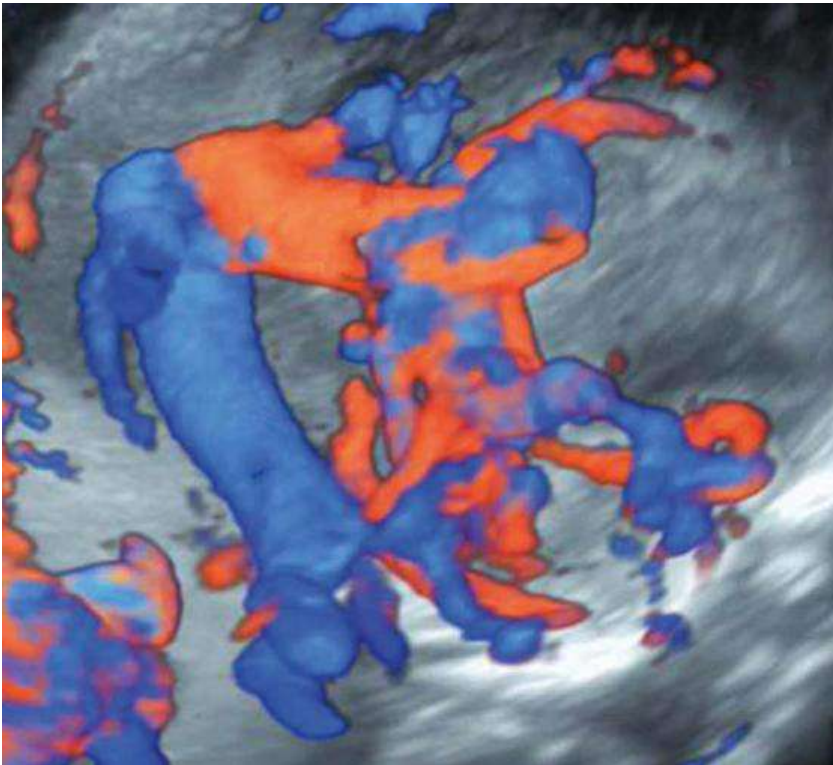
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SCIENTIFIC PROGRAM

Tuesday 23 October 2018



March 2018

Diagnosis of vein of Galen malformation on 3D color Doppler with glass-body rendering mode.

Yukhayev A, Meirovitz N, Madankumar R, Timor-Tritsch IE, Monteagudo A. Ultrasound Obstet Gynecol 2018; 51: 421–423.

Tuesday 23.10.2018

HALL 1

07:30-08:10

Masterclass

Twin pregnancy, double the trouble
Y. Ville (France)

08:15-09:35

Cardiac physiology

*Chairs: J.A. Copel (United States);
P. Brooks (Australia)*

- 08:15 **INVITED:** CHD: from fetus to newborn, from ultrasound to MRI
P. Brooks (Australia)
- 08:35 **OC13.01** Psychological stress and maternal cortisol when carrying a fetus with congenital heart disease
J. Rychik (United States)
- 08:43 **OC13.02** The relationship between indices of circulatory resistance and head circumference in the fetus with congenital heart disease
J. Rychik (United States)
- 08:51 **OC13.03** Maternal hyperoxygenation during fetal Doppler echocardiography provides physiological insight in congenital heart disease
Z. Tian (United States)
- 08:59 ^{YI}**OC13.04** Fetal cardiac remodelling in pregnancies complicated by pre-eclampsia with and without fetal growth restriction
L. Youssef (Spain)
- 09:07 **OC13.05** Aortic coarctation: a comprehensive biomechanical analysis of shape, size and function of the fetal heart
G.R. DeVore (United States)
- 09:15 **OC13.06** Myocardial function in fetuses with lower urinary tract obstruction: is there a cardiac remodelling effect?
O. Graupner (Germany)
- 09:23 ^{YI}**OC13.07** The impact of additional anomalies on head growth in fetuses with congenital heart defects
A. van Nesselrooij (Netherlands)

HALL 2

Masterclass

How I decide when to deliver growth-restricted babies
E. Gratacós (Spain)

Impact of fetal interventions

Chairs: J. Deprest (Belgium); A. Biswas (Singapore)

- 08:15 **INVITED:** The future of fetal surgery
J. Deprest (Belgium)
- 08:35 **OC14.01** Do chorionic villus sampling (CVS) or amniocentesis (AC) induce rhesus immunisation? An evaluation of a cohort with no prophylaxis after CVS or AC
C.K. Ekelund (Denmark)
- 08:43 **OC14.02** Percutaneous fetal aortic valvuloplasty for critical aortic stenosis: prenatal and postnatal outcomes in the last two years
L.J. Salomon (France)
- 08:51 **OC14.03** Brain microstructural assessment by diffusion weighted imaging (DWI) in fetuses and infants that underwent fetoscopic or open neural tube defect repair
M. Sanz Cortes (United States)
- 08:56 **OC14.04** Brain abnormalities in fetuses and infants that underwent a prenatal neural tube defect (NTD) repair using a fetoscopic and open approach
M. Sanz Cortes (United States)
- 09:04 **OC14.05** Comparison of fetal outcome in lower urinary tract obstruction treated with the Harrison® vs. Somatex® vesicoamniotic shunt < 17+0 weeks
A. Geipel (Germany)
- 09:12 **OC14.06** The risks of the Solomon technique of fetoscopic laser photocoagulation for Twin-twin transfusion syndrome
S. Kanazawa (Japan)
- 09:20 **OC14.07** Ultrasound measured lung size in severe congenital diaphragmatic hernia (CDH) after fetoscopic tracheal occlusion (FETO)
A. Baschat (United States)
- 09:25 **OC14.08** 3D ultrasound-based patient-matched models for surgical rehearsal of fetoscopic myelomeningocele repair
A. Baschat (United States)

^{YI} This presentation is eligible for the Young Investigator award (to be presented in the closing plenary).

HALL 3

Masterclass

Cases I have seen: classic examples and some you may not see so often
B. Benacerraf (United States)

Ultrasound and the investigation of pelvic pain and management of endometriosis

*Chairs: S. Guerriero (Italy);
 T. Van den Bosch (Belgium)*

- 08:15 **INVITED:** How ultrasound governs my surgical practice for endometriosis
G. Condous (Australia)
- 08:35 **OC15.01** External validation of the ultrasound-based endometriosis scoring system (UBESS)
M. Espada (Australia)
- 08:43 ^{YI}**OC15.02** Deep endometriosis assessment on ultrasound and MRI as defined by international deep endometriosis analysis (IDEA) group (diagnostic accuracy study)
F. Fruhauf (Czech Republic)
- 08:51 **OC15.03** Pelvic vein thrombosis and associated pelvic abnormalities
T. Amin (United Kingdom)
- 08:59 **OC15.04** Predicting the type of bowel resection in women with DIE involving the rectosigmoid using enhanced transvaginal ultrasound
J.L. Alcazar (Spain)
- 09:07 **OC15.05** Prevalence of deep infiltrating endometriosis in patients with endometriotic ovarian cyst
B. Graupera (Spain)
- 09:15 **OC15.06** Diagnosis of uterosacral ligament endometriosis by transvaginal ultrasonography
Y. Zhang (China)
- 09:23 **OC15.07** Ultrasonographic “soft” markers for the detection of rectosigmoid endometriosis
S. Guerriero (Italy)

HALL 4

Masterclass

How I use ultrasound to make decisions on the labour ward
C. Lees (United Kingdom)

Can ultrasound improve obstetric outcomes?

Chairs: C. Lees (United Kingdom); S. Kumar (Australia)

- 08:15 **INVITED:** Can we predict fetal compromise before labour starts?
S. Kumar (Australia)
- 08:35 **OC16.01** Sonoelastography of uterine cervix before vaginal dinoprostone (PGE2) insert for preliminary evaluation of labour induction
P. Chen (China)
- 08:43 **OC16.02** Intrapartum fetal cerebroplacental Doppler ratio in first and second stage of labour in uterine rest and contractions in low-risk pregnancies
A.L. Zimmerman (Israel)
- 08:51 **OC16.04** Angle of progression at rest and on maternal pushing is associated with the mode of delivery independently from cervical dilatation
N.A. Elbarbary (Egypt)
- 08:59 **OC16.05** Sonographic assessment of shoulder engagement and a novel sign in early recognition of shoulder dystocia
W.L. Lau (China)
- 09:07 **OC16.06** Macrosomia: a self-fulfilling prophecy
S. Yagel (Israel)
- 09:15 **OC16.07** Variations between fetal and neonatal head circumference and fetal and neonatal weight are size-dependent
S. Yagel (Israel)

^{YI} This presentation is eligible for the Young Investigator award (to be presented in the closing plenary).

HALL 1

09:40-10:20

Short oral presentation (OP)

OP10 Fetal cardiac function

Chairs: M. Herrera (Colombia);

E. Hernandez-Andrade (United States)

10:15-10:45

Coffee and e-poster viewing

10:45-12:05

Fetal growth and adverse outcome

Chairs: A.T. Papageorghiou (United Kingdom);

E. Hernandez-Andrade (United States)

10:45

INVITED: Should we abandon estimated fetal weight?

A.T. Papageorghiou (United Kingdom)

11:05

OC17.01 Comparison of placental 3D power Doppler indices and volume in the first and second trimesters of pregnancy with small-for-gestational-age fetuses
C. Chen (Taiwan)

11:13

OC17.02 Implementation of the intergrowth estimation of fetal weight for screening at 26–40 weeks in France: results of nationwide survey
J. Stirneman (France)

11:21

OC17.03 Does automated fractional limb volume improve the performance of third trimester fetal weight predictions in diabetic pregnancies?
W. Lee (United States)

11:29

OC17.04 Adding fetal growth velocity parameters to maternal biochemical biomarkers improves the detection of small-for-gestational-age neonates
M. Hendrix (Netherlands)

11:37

OC17.05 Increasing fetal growth velocity increases the risk of shoulder dystocia among non-macrosomic fetuses
T.M. MacDonald (Australia)

11:45

OC17.06 Prediction of Caesarean section due to intrapartum dystocia using antenatal customised fetal growth charts
A. Dall'Asta (Italy)

HALL 2

Short oral presentation (OP)

OP11 Fetal interventions in twins and fetal defects

Chairs: G. Chalouhi (France);

A. Johnson (United States)

Coffee and e-poster viewing

Management of complicated monochorionic pregnancies

Chairs: T. Murakoshi (Japan); E. Gratacós (Spain)

10:45

INVITED: ISUOG twin management guidelines in practice

A. Khalil (United Kingdom)

11:05

OC18.01 Does preoperative fetal weight discordancy affect perinatal outcome following laser surgery for Twin–twin transfusion syndrome? Evidence from a retrospective cohort study
M. Shapira (Israel)

11:13

OC18.02 Umbilical artery (UA) PI in donors is related to hypovolemia
M. Yamamoto (Chile)

11:21

OC18.03 The relationship between recipient twin's hemodynamic deterioration and ductus venosus Doppler flow in Twin–twin transfusion syndrome
M. Takano (Japan)

11:29

OC18.04 Short-term and long-term neurodevelopmental outcome of monochorionic monoamniotic twin pregnancy
Y. Jung (Republic of Korea)

11:37

OC18.05 Postoperative cerebroplacental ratio can predict subsequent fetal demise of donor or smaller twin after fetoscopic laser surgery
M. Nakata (Japan)

11:45

OC18.06 Management of selective intrauterine growth restriction with abnormal Doppler in monochorionic diamniotic (MCDA) twin pregnancies
J. Stirneman (France)

11:53

OC18.07 Reduced ventricular strain initiates cardiovascular compromise in monochorionic pregnancies
C. Wohlmut (Austria / United States)

HALL 3

Short oral presentation (OP)

OP12 Early pregnancy, Caesarean scars and investigating pelvic pain and management of endometriosis

Chairs: D. Jurkovic (United Kingdom); S. Reid (Australia)

Coffee and e-poster viewing

Managing complications in early pregnancy

Chairs: J. Preisler (Chile); W. Tan (Singapore)

- 10:45 **INVITED:** Avoiding diagnostic error in early pregnancy
T. Bourne (United Kingdom)
- 11:00 **OC19.01** Cell-free DNA in the detection of chromosomal aneuploidies in early fetal demise and miscarriage
M. Hynek (Czech Republic)
- 11:08 **OC19.02** Is the presence or absence of intracavity fluid associated with a final diagnosis of ectopic pregnancy in women with a pregnancy of unknown location?
K. Grewal (United Kingdom)
- 11:16 **OC19.03** Reference intervals of gestational sac, yolk sac, embryonic length and embryonic heart rate at 6–10 gestational weeks after in vitro fertilisation-embryo transfer
X. Li (China)
- 11:24 **OC19.04** Minimally invasive treatment of Caesarean scar and cervical pregnancies using a cervical ripening double balloon catheter: expanding the clinical series
I.E. Timor-Tritsch (United States)
- 11:32 **OC19.05** Evaluating cut-off values for progesterone, single hCG and hCG ratio to define pregnancy viability and location in women with a pregnancy of unknown location (PUL)
S. Bobdiwala (United Kingdom)
- 11:40 **OC19.06** Accuracy of prediction of hemoperitoneum in ectopic pregnancy
K. Rajah (United Kingdom)
- 11:48 **OC19.07** Impact of intrauterine hematoma on pregnancy outcomes
H. Fourie (United Kingdom)
- 11:56 **OC19.08** Sonographic characteristics of postmolar gestational trophoblastic neoplasia (GTN) in relation to chemo resistant disease
E. Epstein (Sweden)

HALL 4

Short oral presentation (OP)

OP13 Ultrasound in the management of labour I

Chairs: T.M. Eggebo (Norway); B. Tutschek (Switzerland)

Coffee and e-poster viewing

Workshop



CNS and spine

Chair: S. Meagher (Australia)

- 10:45 Detection of structural anomalies at 11-14 weeks: what factors determine detection rates?
J. Karim (United Kingdom)
- 11:00 Acrania, exencephaly anencephaly 8-14 weeks
S. Meagher (Australia)
- 11:10 Screening for open spina bifida at 11-14 weeks: a practical guide
S. Meagher (Australia)
- 11:40 Haloprosencephaly: what's possible and what's new?
S. Meagher (Australia)
- 11:50 The cerebral fourth ventricle: a landmark for many things
S. Meagher (Australia)

HALL 1

- 12:10-12:50 Short oral presentation (OP)**
OP14 Fetal measurement, weight estimation and body composition
Chairs: C. Brezinka (Austria); A. Odibo (United States)
- 12:45-14:15 Lunch and e-poster viewing**
- 13:00-14:00 Industry sponsored satellite symposia****
- 14:15-15:35 Advanced tools in prenatal diagnosis**
Chairs: J. Hyett (Australia); F. Lai (Singapore)
- 14:15 **LIVE SCAN:** Challenge Chaoui: the full anomaly scan in 15 minutes [industry supported*]
R. Chaoui (Germany)
- 14:45 ^{YI}**OC20.01** Placental changes in fetal MRI as a potential biomarker of cytomegalovirus Infection
V. Pfahler (Germany)
- 14:53 **OC20.02** Prenatal diagnosis by chromosome microarray analysis and whole-exome sequencing for fetuses with skeletal dysplasia
M. He (China)
- 15:01 **OC20.03** Objective evaluation of fetal facial morphology using a new method: facial shape index
R. Sunami (Japan)
- 15:09 **OC20.04** Magnetic resonance morphological signs of fetal inflammatory response syndrome (FIRS) as potential biomarkers of cytomegalovirus infection
V. Pfahler (Germany)
- 15:17 **OC20.05** Image review for quality of the first trimester anomaly scan
J. Karim (United Kingdom / Canada)
- 15:25 **OC20.06** The experience of prenatal diagnosis by ultrasound and MRI: based on 5,754 cases
X. Chen (China)
- 15:33 **OC20.07** Fetal exome sequencing: yield and limitations observed in a single tertiary centre
S. Yagel (Israel)

HALL 2

- Short oral presentation (OP)**
OP15 Management of complicated monochorionic pregnancies
Chairs: A. Welsh (Australia); G. Yeo (Singapore)
- Lunch and e-poster viewing**
- Ventriculomegaly and congenital infections**
Chairs: G. Malinger (Israel); D. Prayer (Austria)
- 14:15 **INVITED:** Fetal brain: cases that surprised me
R.K. Pooh (Japan)
- 14:35 **OC21.01** Sonographic spectrum of fetal cerebral ventriculomegaly: do we know all?
A. Bhatia (Singapore)
- 14:43 **OC21.02** Brainstem malformations in severe fetal ventriculomegaly
K.K. Haratz (Israel)
- 14:51 **OC21.03** Intracranial complications in monochorionic multiple gestations following in utero intervention: role of fetal MR imaging
S.L. Lajfer-Narin (United States)
- 14:59 **OC21.04** Prediction of outcome of fetal infection with cytomegalovirus (CMV)
Y. Ville (France)
- 15:07 **OC21.05** The added value of postmortem ultrasound in the diagnosis of fetal brain abnormalities
D. Pugash (Canada)
- 15:15 **OC21.06** Ultrasound prediction of symptomatic congenital Zika virus infection
L. Pomar (French Guiana / Switzerland)
- 15:23 ^{YI}**OC21.07** Additional value of advanced neurosonography and magnetic resonance imaging in fetuses at risk for brain damage
B. van der Knoop (Netherlands)
- 15:31 **OC21.08** The role of MRI in primary fetal CMV infection
B. Weisz (Israel)

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HALL 3**Short oral presentation (OP)****OP16** Managing early pregnancy complications*Chairs: S. Bobdiwala (United Kingdom);
S. Goldstein (United States)***Lunch and e-poster viewing****Ultrasonography and reproductive medicine***Chairs: W. Martins (Brazil); H. Tan (Singapore)*

- 14:15 **INVITED:** Solving problems in infertility patients with ultrasound: assessing ovarian reserve – Was AMH overhyped? So should we stick with AFC measurements? When scanning fertility patients, how do we predict endometrial receptivity?
N.J. Raine-Fenning (United Kingdom)
- 14:40 **OC22.01** Who is at risk of endometrial cavity breach at laparoscopic myomectomy?
K. Rajah (United Kingdom)
- 14:48 **OC22.02** Clinical significance of congenital uterine corporeal anomalies: a prospective observational study in unselected population
S. Tudorache (Romania)
- 14:56 **OC22.03** Can ovarian reserve predict the chances of live birth after one complete cycle of IVF and transfer of all frozen embryos?
D. Mavrelis (United Kingdom)
- 15:04 **OC22.04** Ultrasound-based strain mapping for contraction frequency in the non-pregnant uterus
C. Blank (Netherlands)
- 15:12 **OC22.05** Semi-automatic analysis of vascular volume along the fallopian tube (FT) and impact of the ovarian fimbria on fallopian tube vascularisation using confocal microtomography
P.T. Castro (Brazil)

HALL 4**Short oral presentation (OP)****OP17** Ultrasound in the management of labour II*Chairs: T. Ghi (Italy); E.Thia (Singapore)***Lunch and e-poster viewing****Workshop****Maternal hemodynamics in pregnancy***Chairs: F. Da Silva Costa (Brazil);
A. Khalil (United Kingdom)*

- 14:15 The arterial system and cardiac function in disorders of placentation
B. Thilaganathan (United Kingdom)
- 14:35 Early and late pre-eclampsia
E. Hernandez-Andrade (United States)
- 14:55 Screening using biomarkers
F. Da Silva Costa (Brazil)
- 15:15 Screening using maternal hemodynamics
A. Khalil (United Kingdom)

HALL 1

15:35-16:00 Coffee and e-poster viewing

16:00-17:30

Workshop 3D

*Chairs: J. Deng (United Kingdom);
L.D. Platt (United States)*

16:00 Embryo development by 3D
B. Benoit (France)

16:20 3D of the fetal face
B. Tutschek (Switzerland)

16:40 Where 3D adds value: interesting new cases
L.D. Platt (United States)

16:55 4D echocardiography: interesting new cases
G.R. DeVore (United States)

17:10 **LIVE SCAN:** Obstetrical applications for 3D volume imaging [industry supported*]
W. Lee (United States)

HALL 2

Coffee and e-poster viewing

Workshop

Fetal infections: updates on TORCH, Zika and anything new

*Chairs: Y. Ville (France);
M. Herrera (Colombia)*

16:00 Overview: understanding serology, detection rates, false negatives and false positives
Y. Ville (France)

16:15 Cytomegalovirus
S. Yagel (Israel)

16:30 Other congenital infections: Zoster, Parvo and more
M. Herrera (Colombia)

16:45 Zika virus: latest updates
G. Malingier (Israel)

17:00 Toxoplasmosis
A.T. Papageorghiou (United Kingdom)

17:15 Case examples
Y. Ville (France)

HALL 3

Coffee and e-poster viewing

Workshop**How to manage disorders related to implantation and Caesarean section scars in the pregnant and non-pregnant patient**

*Chairs: S. Goldstein (United States);
K. Grewal (United Kingdom)*

- 16:00 Diagnosis and management of Caesarean section scar pregnancy: a personal as well as the UK experience
D. Jurkovic (United Kingdom)
- 16:20 How to counsel women with implantation near to, over or into a Caesarean section scar and my experience of treating scar pregnancy in the USA
I.E. Timor-Tritsch (United States)
- 16:40 How do we manage women with a highly vascular myometrium or retained tissue in the uterus following delivery or early pregnancy loss? Are these AVMs or simply a physiological observation?
T. Van den Bosch (Belgium)
- 17:00 Abnormal bleeding and other symptoms associated with the Caesarean section scar niche in non-pregnant women: causes, nomenclature, imaging and possible treatment options
J. Huirne (Netherlands)
- 17:20 Minimally invasive, highly specific sonographically guided treatment by the application of a human fibrin sealant
P. Schwaerzler (Austria)

HALL 4

Coffee and e-poster viewing

Workshop**Cardiac and face**

Chair: S. Meagher (Australia)

- 16:00 Cephaloceles: tricks and traps
S. Meagher (Australia)
- 16:15 Fetal cardiac malformation: key facts and figures
S. Meagher (Australia)
- 16:25 Major cardiac malformation: 8 to 14 weeks
S. Meagher (Australia)
- 16:45 Minor cardiac malformation: 11 to 14 weeks
S. Meagher (Australia)
- 17:00 Facial cleft lip and palate: 2D and 3D diagnosis
S. Meagher (Australia)
- 17:15 Facial profile markers in the diagnosis of facial malformation at 11-14 weeks
C.M. Bilardo (Netherlands)

Hubs

HUB 1

HUB 2

08:15-09:15 **Interactive**
Special interest group: 3D
Chair: J. Deng (United Kingdom)

09:40-10:20 **Poster discussion (P)**
P08: Fetal congenital anomalies
Chair: F. Ushakov (United Kingdom)

10:25-10:55 **Interactive**
In conversation with *A. Baschat*:
Planning management of fetal growth
restriction

11:00-12:00 **Sponsor**
Please see page 119 for detail

12:10-12:50 **Poster discussion (P)**
P12: Fetal interventions
Chair: B. Thilaganathan (United Kingdom)

13:00-16:00 **Interactive**
Forum for Chinese delegates
Chair: Q. Wu (China)

Poster discussion (P)
P09: Abnormally invasive placenta
*Chairs: M. Sanz Cortes;
I.E. Timor-Tritsch (United States)*

Interactive
In conversation with *D. Fischerová*:
Tumours in pregnancy

Sponsor
Please see page 119 for detail

Poster discussion (P)
P13: Heart structure and function
Chair: J.S. Carvalho (United Kingdom)

Interactive
CFEF French recommendation for second
trimester ultrasound
Chair: G. Hoddad (France)

HALL 6 JOIN THE BUZZ

HUB 3

Interactive

WATOG: in conversation with trainees about issues on ultrasound training
Chair: N. Vrachnis (Greece)

Interactive

Diagnosing and managing myometrial pathology: a discussion between experts and audience based around the following topics
Chair: S. Goldstein (United States)

Interactive

In conversation with *V. Berghella*:
 Preterm birth prevention using cervical length screening

In conversation with ASUM: infection control

Poster discussion (P)

P14: Reproductive medicine
*Chairs: D. Mavrelis;
 N.J. Raine-Fenning (United Kingdom)*

Interactive

Evaluating the fetus heart and CNS: the BT approach
Chair: R.S. Abu-Rustum (United States)

HUB 4

Poster discussion (P)

P11: New tools for the fetal brain
*Chairs: G. Malingier (Israel);
 D. Prayer (Austria)*

Interactive

In conversation with *T.M. Eggeba*:
 Intrapartum sonography; indications, guidelines and barriers

Poster discussion (P)

P15: Screening for pregnancy complications I
Chair: E. Hernandez-Andrade (United States)

Guidelines

Russian
Chair: F. Ushakov (United Kingdom)

OP - Tuesday 23.10.2018

OP10: Fetal cardiac function

Hall 1

Chairs: M. Herrera (Colombia); E. Hernandez-Andrade (United States)

- Perinatal left ventricular torsional mechanics in normal fetuses at term
O. Patey (United Kingdom) OP10.01
- Fetal TAPSE index (FTI): a novel fetal heart function index
B. Messing (Israel) OP10.02
- Fetal TAPSE index (FTI): a novel fetal heart function index in pathological cases
B. Messing (Israel) OP10.03
- Perioperative changes in fetal cardiac function with fetoscopic laser ablation of placental anastomoses in Twin–twin transfusion syndrome
O. Patey (United Kingdom) OP10.04
- The application of spatiotemporal image correlation (STIC) in prenatal diagnosis of fetal anomalous pulmonary venous connection (APVC)
Q. Pei (China) OP10.05
- Comprehensive analysis of the four-chamber view identifies 100% of fetuses with coarctation of the aorta
G.R. DeVore (United States) OP10.06
- Relevance of detection of isolated aberrant right subclavian artery (ARSA) in a low-risk screened population
P. Charan (Australia) OP10.07
- The ventricular function assessment in fetus with tricuspid regurgitation by VWI
M. Xie (China) OP10.08
- The tricuspid valve size in fetuses with pulmonary atresia with intact ventricular septum/severe pulmonary stenosis is a strong predictor of the postnatal outcome
T. Toyokawa (Japan) OP10.09
- Evaluation of right ventricular myocardial contraction in fetuses with hypoplastic left heart using 2D speckle tracking technique
C. Enzensberger (Germany) OP10.10
- Interrogating the tricuspid valve: colour Doppler versus pulsed Doppler at the 11–13⁺⁶ week scan
A. Comanescu (Romania) OP10.11

OP11: Fetal interventions in twins and fetal defects

Hall 2

Chairs: G. Chalouhi (France); A. Johnson (United States)

- Umbilical cord occlusion in twin-reversed-arterial-perfusion (TRAP) sequence: a retrospective study of cases
L.J. Salomon (France) OP11.01
- Intrauterine transfusion in severe fetal anemia: does peak systolic velocity of middle cerebral artery correlate with fetal hemoglobin?
J. Lee (Republic of Korea) OP11.02
- Twin-reversed arterial perfusion sequence using high-intensity focused ultrasound therapy
K. Seo (Japan) OP11.03
- A novel fetoscopic finding of poor prognosis in selective fetal growth restriction type II
E. Gil Guevara (United States) OP11.04
- Effect of maternal corticosteroid provision on MCA-PSV readings in the potentially anemic fetus
A.W. Welsh (Australia) OP11.05

Do placental and amniotic membrane pathological changes occur following open and fetoscopic neural tube defect (NTD) repair? <i>M. Sanz Cortes (United States)</i>	OP11.06
Fetoscopic MMC correction in Chile <i>M. Yamamoto (Chile)</i>	OP11.07
Exchangeable modular patient-matched models for fetoscopic myelomeningocele repair <i>A. Baschat (United States)</i>	OP11.08
Fetal cystoscopy versus vesicoamniotic shunting in lower urinary tract obstruction <i>Y. Ville (France)</i>	OP11.09
Neurodevelopmental outcomes in children with congenital lower urinary tract obstruction (LUTO) <i>M. Sanz Cortes (United States)</i>	OP11.10
Perinatal outcome after selective feticide in monochorionic twin pregnancies <i>V. Dadhwal (India)</i>	OP11.11

OP12: Early pregnancy, Caesarean scars and investigating pelvic pain and management of endometriosis

Hall 3

Chairs: D. Jurkovic (United Kingdom); S. Reid (Australia)

Correlation of placental volume and vascular indices in first trimester with birthweight <i>V. Dadhwal (India)</i>	OP12.01
Deep endometriosis prevalence in the absence of ovarian endometrioma <i>M. Leonardi (Australia)</i>	OP12.02
Creating the surgical platform for patients with deep infiltrating endometriosis: results from the first sonovaginography centre in Western Australia <i>A. Thottungal (Australia)</i>	OP12.03
Saline infusion sonoPODography (SISP): a novel technique to visualise and understand the pouch of Douglas (POD) <i>M. Leonardi (Australia)</i>	OP12.04
Ureteric endometriosis: detection and assessment of level of obstruction at sonovaginography for deep infiltrating endometriosis (DIE) <i>A. Thottungal (Australia)</i>	OP12.05
The additive effect of each Caesarean delivery on Caesarean defect location and associated anatomical changes <i>O. Rotenberg (United States)</i>	OP12.06
WITHDRAWN	OP12.07
Uterine scar evaluation during the postpartum: is there a place for a better technique for a Caesarean? <i>A.K. Kesrouani (Lebanon)</i>	OP12.08

OP13: Ultrasound in the management of labour I

Hall 4

Chairs: T.M. Eggebø (Norway); B. Tutschek (Switzerland)

Risk of operative delivery for intrapartum fetal compromise in small-for-gestational-age fetuses at term: external validation of the IRIS algorithm <i>A. Khalil (United Kingdom)</i>	OP13.01
Early labour uterine artery Doppler assessment in uncomplicated term pregnancies: relationship with cerebroplacental ratio and perinatal outcomes <i>A. Dall'Asta (Italy)</i>	OP13.02
Reference centiles for the middle cerebral artery and umbilical artery pulsatility index and cerebroplacental ratio from a low risk population: a generalised additive model for location, shape and scale (GAMLSS) approach <i>C. Flatley (Australia)</i>	OP13.03

Uterocervical angle: a possible tool to predict whether or not vaginal delivery is possible when labour induction is performed <i>M. Dong (Republic of Korea)</i>	OP13.04
The association between various cervical parameter and successful induction of labour <i>H. Choi (Republic of Korea)</i>	OP13.05
Maternal and neonatal adverse outcomes following induced labour in women with a long cervix compared to women with a short one <i>E. Kim (Republic of Korea)</i>	OP13.06
Transvaginal ultrasonographic cervical assessment in the prediction of successful membrane sweeping <i>G. Rizzo (Italy)</i>	OP13.07
Failure of vacuum delivery is associated with a narrow subpubic arch angle <i>G. Rizzo (Italy)</i>	OP13.08
WITHDRAWN	OP13.09
An innovative ultrasound technique for automatic and non-invasive assessment of head-perineum distance during labour <i>A. Dall'Asta (Italy)</i>	OP13.10
Transabdominal and transperineal intrapartum ultrasound and mode of delivery in prolonged second stage of labour <i>A. Dall'Asta (Italy)</i>	OP13.11

OP14: Fetal measurement, weight estimation and body composition

Hall 1

<i>Chairs: C. Brezinka (Austria); A. Odibo (United States)</i>	
Maternal body composition and energy expenditure: their relationship to neonatal growth restriction in twin pregnancies based on fetal growth potential <i>M. Gandhi (United States)</i>	OP14.01
Estimation of fetal weight at term: comparison of the Intergrowth and Hadlock formulas <i>J. Stirneman (France)</i>	OP14.02
Comparison of the accuracy of INTERGROWTH-21 formula with other ultrasound formulae in fetal weight estimation <i>C.W. Kong (Hong Kong)</i>	OP14.03
Fetal ultrasound at 36 weeks can accurately predict neonatal body composition in women who are overweight and obese <i>C.M. O'Brien (Australia)</i>	OP14.04
INTERGROWTH-21st versus Hadlock birthweight prediction in pregnant obese women <i>E. Wang (United States)</i>	OP14.05
Postnatal growth in children born SGA: is intrauterine smoking exposure a determinant factor? <i>L. Lindström (Sweden)</i>	OP14.06
Accuracy of ultrasound estimation of fetal weight and diagnosis of fetal growth restriction in gastroschisis: a retrospective study <i>A.J. Ryan (Australia)</i>	OP14.07
The fetal biometry references tool <i>B. Tutschek (Switzerland)</i>	OP14.08
Does early assessment of fetal fractional limb volume predict neonatal adiposity? <i>A.P. Burgess (United States)</i>	OP14.09
WITHDRAWN	OP14.10
Comparison of two different sonographic approaches of the fetal femur length measurement <i>L.J. Salomon (France)</i>	OP14.11

OP15: Management of complicated monochorionic pregnancies**Hall 2***Chairs: A. Welsh (Australia); G. Yeo (Singapore)*

- Management of discordant congenital anomalies in monochorionic twins
L.J. Salomon (France) OP15.01
- Postnatal follow-up of selective IUGR type 3 without fetal surgery
M. Yamamoto (Chile) OP15.02
- Antenatal ultrasonographic monitoring and perinatal outcomes in monochorionic pregnancy specific anomalies
I. Safonova (Ukraine) OP15.03
- Continuous irrigation technique with fetoscopic laser surgery for dull and bloody amniotic fluid in Twin-twin transfusion syndrome
T. Murakoshi (Japan) OP15.04
- Perinatal outcome of monochorionic twins with sIUGR according to the umbilical artery Doppler flow pattern: a prospective cohort study
L. Batsry (Israel) OP15.05
- Monochorionic twins complicated by twin anemia polycythemia sequence: perinatal outcome following intrauterine blood transfusion
Y. Yinon (Israel) OP15.06
- Association between the cerebroplacental ratio and fetal growth disorders in monochorionic twins
N. Ramji (Canada) OP15.07
- Association between the cerebroplacental ratio and preterm birth
N. Ramji (Canada) OP15.08
- Predictive value of early fetal ultrasound measurements for monochorionic twins outcome
T. Ying (China) OP15.09
- Early and late selective fetal growth restriction in monochorionic twin pregnancies: natural history and diagnostic criteria
A. Khalil (United Kingdom) OP15.10

OP16: Managing early pregnancy complications**Hall 3***Chairs: S. Bobdiwala (United Kingdom); S. Goldstein (United States)*

- How do the M4 and M6 models perform in an Australian pregnancy of unknown location population?
S. Ooi (Australia) OP16.01
- Comparison of the clinical outcomes of non-surgical and surgical treatment of cornual pregnancies
Y.R. Kim (Republic of Korea) OP16.02
- Sonographic characteristics of postmolar gestational trophoblastic neoplasia (GTN) at diagnosis and during follow-up
E. Epstein (Sweden) OP16.03
- Comparison of ultrasound-guided local injection, systemic injection and surgical management for interstitial ectopic pregnancy
M.S. Kim (Republic of Korea) OP16.04
- Scoring system to predict the subsequent risk of miscarriage in women with a viable intrauterine pregnancy at the primary transvaginal ultrasound
N. Stamatopoulos (Australia) OP16.05
- The subjective assessment of viability of early intrauterine pregnancies on ultrasound
H. Fourie (United Kingdom) OP16.06
- How to measure size of tubal ectopic pregnancy on ultrasound scan?
K. Rajah (United Kingdom) OP16.07
- The proportion of women with a histological diagnosis of molar pregnancy who are diagnosed with ultrasound prior to uterine evacuation
N. Stamatopoulos (Australia) OP16.08

- Development and validation of a clinical scoring system for predicting the effectiveness of misoprostol treatment for early pregnancy failure OP16.09
A. Shrim (Israel)
- Does the presence of vascularity of retained products of conception ultimately necessitate surgical management? OP16.10
M. Van Der Leeden (Australia)

OP17: Ultrasound in the management of labour II

Chairs: T. Ghi (Italy); E. Thia (Singapore)

- Funnelling of the uterine cervix as a predictor of successful vaginal delivery following labour induction OP17.01
E. Kim (Republic of Korea)
- Attitude of midwives on prelabour translabial ultrasound scan OP17.02
K. Lau (Hong Kong)
- The views of pregnant women, midwives and a women's panel on intrapartum ultrasound research: a pilot study OP17.03
S. Usman (United Kingdom)
- Using the "intrapartum app" on a new population OP17.04
S. Usman (United Kingdom)
- Distance of progression at rest and on maternal pushing is associated with the mode of delivery independently from cervical dilatation OP17.05
N.A. Elbarbary (Egypt)
- Performance of angle of progression AOP in predicting Caesarean delivery in first stage of labour in relation to cervical dilatation OP17.06
N.A. Elbarbary (Egypt)
- Intermethod agreement between mid-sagittal and parasagittal measurements of the angle of progression in labour OP17.07
E. Margarito (Italy)
- Application of transperineal three-dimensional ultrasound in the labour process OP17.08
A. Yuanyuan (China)
- Correlation between clinical assessments and ultrasound measurements of fetal station OP17.09
T.M. Eggebø (Norway)
- Prediction of a successful vaginal delivery using serial transperineal ultrasound OP17.10
P. Senoaji (Indonesia)
- The changes of pelvic floor during labour OP17.11
H. Choi (Republic of Korea)

Hall 4

P - Tuesday 23.10.2018

P08: Fetal congenital anomalies

Hall 6 Hub 1

Chair: *F. Ushakov (United Kingdom)*

- A predictive model of large-for-gestational-age infant and internal validation among Korean women with gestational diabetes mellitus: a Korean multicentre study P08.01
H. Kim (Republic of Korea)
- Implementing INTERGROWTH-21st standards in peri-urban Nairobi, Kenya: translating global guidelines into clinical practice in a low-resource setting P08.02
S.E. Little (Kenya)
- Pregnancy risk factors, complications and relation with outcomes in early and late fetal growth restriction P08.03
L. Zhang (China)
- The fetal thymus: determination of 2D ultrasound measurements in normal Indian fetuses P08.04
R.P. Gevariya (India)
- Normal and abnormal ductus venosus in expectant management of early IUGR fetuses and risk of adverse neonatal outcome P08.06
E. Cosmi (Italy)
- Maternal uterine artery Doppler changes in pre-eclampsia and fetal growth restriction P08.07
J. Tay (United Kingdom)
- WITHDRAWN P08.08
- The relationship between umbilical artery resistance index and volumetric umbilical venous blood flow in normal and pathological pregnancy P08.09
K. Patel (United States)
- Variability of Doppler measurements in umbilical artery (UA) and middle cerebral artery (MCA) in uncomplicated term pregnancies P08.10
B. Weisz (Israel)

P09: Abnormally invasive placenta

Hall 6 Hub 2

Chairs: *M. Sanz Cortes; I.E. Timor-Tritsch (United States)*

- Two cases of internal iliac artery thrombosis following internal iliac balloon inflation in placenta accreta P09.01
M. Seto (Hong Kong)
- Value of ultrasound scoring in assessing the risk of pernicious placenta previa accreta and poor pregnancy outcomes P09.02
L. Xie (China)
- Intracervical lakes: a novel predictor of morbidly adherent placenta? P09.03
A. Dall'Asta (Italy)
- Clinical profile and outcome of patients with placenta previa and abnormally invasive placenta: a study at a tertiary care referral institute in India P09.04
E. Jaiswal (Nepal)
- Conservative management of morbidly adherent placenta: Latvian first experience P09.05
N. Vedmedovska (Latvia)
- Recurrence of placenta accreta/increta after conservative medical treatment for clinical placenta accreta at previous pregnancy: a case report P09.06
S. Jitsumori (Japan)
- The possible application of HDlive in diagnosing and monitoring abnormal placenta P09.07
Z. Zhang (China)
- Placenta previa accreta invading the urinary bladder P09.08
M. Onofriescu (Romania)

Diagnosis of invasive placentation in ultrasound and MRI <i>E. Barzilay (Israel)</i>	P09.09
Abnormal placenta invasion, conservative management: additional placental lobe percreta in the uterus cavity after two months and one year after delivery <i>I. Safonova (Ukraine)</i>	P09.10

P11: New tools for the fetal brain**Hall 6 Hub 4**

Chairs: G. Malinge (Israel); D. Prayer (Austria)

WITHDRAWN	P11.01
Neurodevelopmental outcome of fetuses with isolated ventricular asymmetry without dilation <i>R. Meyer (Israel)</i>	P11.02
Agnesis of the septum pellucidum: prenatal diagnosis and outcome <i>T. Borkowski (Israel)</i>	P11.03
Obstetric and neonatal outcomes in fetal cerebral ventriculomegaly <i>A. Bhatia (Singapore)</i>	P11.04
Periconceptional maternal folate status and the impact on embryonic head and brain structures <i>S. Husen (Netherlands)</i>	P11.05
Fetal intracranial space occupying lesions: MRI versus ultrasound <i>W. Xia (China)</i>	P11.06
Tomographic ultrasound imaging (TUI) for the evaluation of open spina bifida in the first trimester <i>T. Fanelli (Italy)</i>	P11.07
MR-spectroscopy as a potential prognostic tool in the assessment of white matter abnormalities in cytomegalovirus infections <i>V. Pfahler (Germany)</i>	P11.08
WITHDRAWN	P11.09
At screening scan, is an abnormal looking cavum septum pellucidum of concern? <i>K.M. Lionel (Singapore)</i>	P11.10

P12: Fetal interventions**Hall 6 Hub 1**

Chair: B. Thilaganathan (United Kingdom)

Radio frequency ablation, an effective in utero treatment modality for large chorioangioma: a case report <i>A. Yulia (United Kingdom)</i>	P12.01
Persistent pulmonary hypertension of the newborn after fetomaternal hemorrhage: is there a protective effect of intrauterine blood transfusions? <i>M. Gijtenbeek (Netherlands)</i>	P12.02
The outcomes of operative fetoscopies for Twin-twin transfusion syndrome in Ukrainian reality <i>Y. Goncharova (Ukraine)</i>	P12.03
Application of a new terminology based on the International Conference on Harmonisation to fetal therapy: adverse effect of thoraco-amniotic shunting <i>Y. Takahashi (Japan)</i>	P12.04
MRI 3D modelling of a surgical scene before fetoscopic surgery <i>S. Badaoui (France)</i>	P12.05
The value of puncture for huge abdominal cyst in fetus <i>J. Wang (China)</i>	P12.06
The effects of ultrasound-guided intra-amniotic nutrition therapy on heart and lung development in neonatal rabbits with intrauterine growth retardation <i>G. Lyu (China)</i>	P12.07
Complete resolution of acute anemia and heart failure with single IUT in parvovirus B19 hydropic fetus <i>M. Yamamoto (Chile)</i>	P12.08

P13: Heart structure and function**Hall 6 Hub 2***Chair: J.S. Carvalho (United Kingdom)*

- A study of the spatial relationship between cardiac chambers in the fetal heart using a macrovascular casting technique P13.01
Y. Wang (China)
 Ultrasound prenatal diagnosis of fetal persistent left and absent right superior vena cava P13.02
S. Wang (China)
 Pulmonary artery waveforms preceding lethal pulmonary hypoplasia: the “flash sign” P13.03
A. Baschat (United States)
 Echo AV interval overestimates MCG PR interval in SSA+ pregnancies: evidence for new criteria for 1° AV block P13.04
B. Cuneo (United States)
 WITHDRAWN P13.05
 Prenatal ultrasound diagnosis of double outlet right ventricle at 11–14-week scan: a case series P13.06
S. Lakshmy (India)
 Fetal aortic arch and its branches anomalies: prenatal ultrasound, vascular cast and gene detection P13.07
S. Ge (United States)
 Prognostic factors of hypoplastic left heart syndrome (HLHS) identified during prenatal and perinatal period P13.08
M. Slodki (Poland)
 Prenatal evaluation of left brachiocephalic vein: feasibility, significance and counselling P13.09
N. Shah (India)

P14: Reproductive medicine**Hall 6 Hub 3***Chairs: D. Mavrelas; N.J. Raine-Fenning (United Kingdom)*

- Microscopic anatomy and 3D architecture of gynecological specimen using microcomputed tomography P14.01
P.T. Castro (Brazil)
 Assessing the pregnancy rate following Lipiodol flush in women with subfertility P14.02
J.K. Sekhon (Australia)
 Diagnosis of adenomyosis determines the choice of the IVF protocol P14.03
M. Onofriescu (Romania)
 Handheld point-of-care ultrasound for gynecologic pathology: a pilot study for low-resource settings P14.04
M. Toscano (United States)
 Observation of the pregnancy conditions of infertile patients after transvaginal four-dimensional hysterosalpingo-contrast-sonography P14.05
Y. Qiang (China)
 Interobserver reproducibility of Hystero-salpingo-sonography with foam (HyFoSy) for assessing tubal patency P14.06
J.L. Alcazar (Spain)
 Hysterosalpingo-contrast-sonography: comparison of new contrast lignosal (mixture of lignocaine 2% jelly with normal saline) with saline as contrast for the evaluation of tubal patency P14.07
N. Chegondi (India)
 Prevalence of ultrasound detected gynecological pathology in a population of subfertile women P14.08
N. Liou (United Kingdom)
 Predicting implantation success using junctional zone assessment in assisted reproduction P14.09
G.A. Ramaraju (India)
 Predicting disruption of the junctional zone in Caesarean section deliveries P14.10
G.A. Ramaraju (India)

P15: Screening for pregnancy complications I**Hall 6 Hub 4***Chair: E. Hernandez-Andrade (United States)*

- | | |
|--|--------|
| Risk assessment of pre-eclampsia according to FMF model in local practice
<i>D. Nemescu (Romania)</i> | P15.01 |
| Three-dimensional power Doppler ultrasound evaluation of the orbital vascularities in pre-eclampsia
<i>M. Ishibashi (Japan)</i> | P15.02 |
| Placental pathology and neonatal outcome in relation to uterine artery Doppler velocimetry in pregnancies complicated by placenta syndrome
<i>V. Schiffer (Netherlands)</i> | P15.03 |
| Maternal total adipose tissue (TAT) measured by ultrasound and correlations with fasting glucose during first half of pregnancy
<i>A.D. Rocha (Brazil)</i> | P15.04 |
| Prediction of non-reassuring fetal status during labour by measuring the thickness of the umbilical cord
<i>Y. Nagayasu (Japan)</i> | P15.05 |
| Complementary use of maternal ultrasonography to early prediction of adipose-related risk conditions during delivery: preliminary results
<i>A.D. Rocha (Brazil)</i> | P15.06 |
| Cervical length as a predictor of latency to labour in twin pregnancies complicated by preterm prelabour rupture of membranes (PPROM): a retrospective study
<i>J. Tigdi (Canada)</i> | P15.07 |
| Significance of black line appearance of cervix on ultrasound in predicting outcomes for preterm birth
<i>S. Wani (Australia)</i> | P15.08 |
| Association of abnormal vaginal colonisation and preterm delivery: effect of cervical length
<i>N. Kim (Republic of Korea)</i> | P15.09 |



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- Monday 22nd October
10:30 - 11:30 - Hub 4
"Discover VISUOG"



C.M. Bilardo



J. Hyett



M. Herrera



A. Testa

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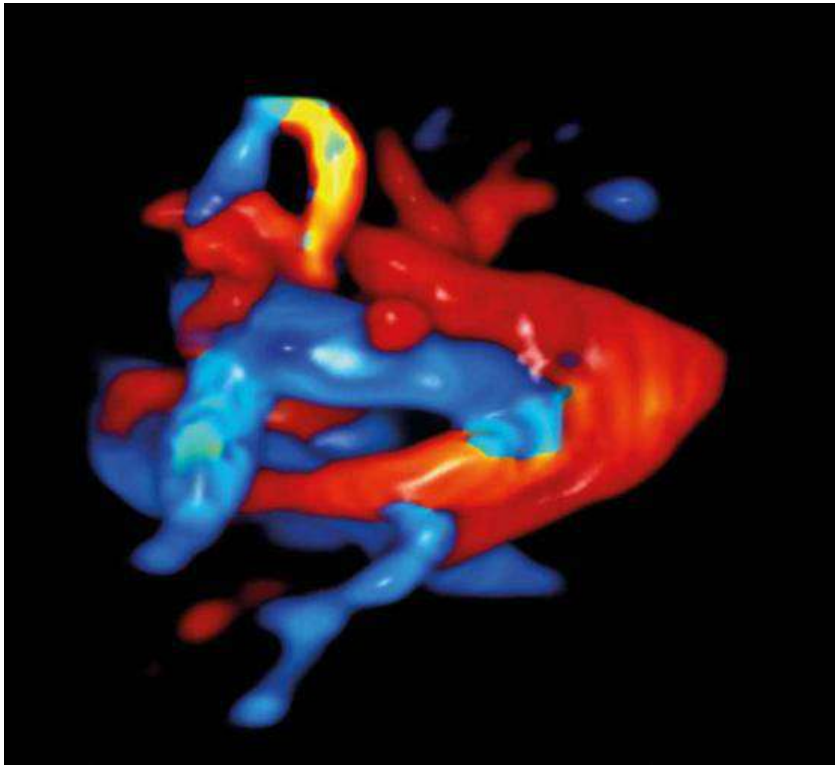
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SCIENTIFIC PROGRAM

Wednesday 24 October 2018



April 2018

Fetal retroesophageal left brachiocephalic vein with U-shaped vascular ring on 3D color Doppler with HDlive mode.

Han J, Hao X, He Y. Ultrasound Obstet Gynecol 2018; 51: 561–562.

Wednesday 24.10.2018

HALL 1

07:30-08:10

Masterclass

Fetal brain: optimal imaging every time
D. Paladini (Italy)

08:15-09:35

Thoracic and palate abnormalities advances in imaging and outcomes

*Chairs: S. Campbell (United Kingdom);
S. Eik-Nes (Norway)*

- 08:15 **INVITED:** Overview of facial and thoracic abnormalities: cases
B. Benacerraf (United States)
- 08:39 ^{YI}**OC23.01** Fetal MRI-based diaphragmatic segmentation for personalised therapy planning in fetuses with congenital diaphragmatic hernia
F. Prayer (Austria)
- 08:47 **OC23.02** In utero treatment of prenatal thoracic abnormalities by pleuro-amniotic shunts (PAS): short- and long-term outcome
O. Rosenblat (Israel)
- 08:55 **OC23.03** Congenital lung malformations: physical growth, lung function and exercise tolerance at eight years of age
A. Hijkoop (Netherlands)
- 09:03 **OC23.04** The "superimposed line sign": a novel marker in early diagnosis of secondary cleft palate
S. Lakshmy (India)
- 09:11 **OC23.05** Relationship between Doppler parameters and postnatal outcomes in fetuses with congenital diaphragmatic hernia
Y. Yamamoto (Japan)
- 09:19 **OC23.06** Prediction of neonatal outcome in isolated congenital diaphragmatic hernia in a single centre with recurrent prenatal evaluations
Y. Furman (Israel)
- 09:27 **OC23.07** Predictive factors of postnatal outcomes in the fetuses with congenital cystic adenomatoid malformation
S. An (Republic of Korea)

HALL 2

Masterclass

How to predict and prevent preterm labour
V. Berghella (United States)

Fetal growth: moving paradigm from size to function

*Chairs: K. Hecher (Germany);
T. Murakoshi (Japan)*

- 08:15 **INVITED:** Why fetal size near term is a poor marker of adverse outcome
A. Baschat (United States)
- 08:35 **OC24.01** Is it time to change surveillance method of late-growth restriction from umbilical artery Doppler to brain sparing?
P.G. Lindqvist (Sweden)
- 08:43 **OC24.02** Maternal uterine and fetal umbilical artery Doppler impedance is associated with maternal hemodynamic function
J. Tay (United Kingdom)
- 08:51 ^{YI}**OC24.03** International charts of umbilical artery Doppler indices based on serial measurements from the INTERGROWTH-21st project
L. Drukker (United Kingdom)
- 08:59 **OC24.04** The association between the cerebral-placental-uterine ratio and fetal growth restriction: a prospective cohort study
T.M. MacDonald (Australia)
- 09:07 **OC24.05** The interaction between the maternal systemic and uteroplacental circulations in pregnancies resulting in small-for-gestational-age newborns
A. Khalil (United Kingdom)
- 09:15 **INVITED:** The IUGR newborn: transition from fetus to newborn
S. Rogerson (Australia)

^{YI} This presentation is eligible for the Young Investigator award (to be presented in the closing plenary).

HALL 3

Masterclass

IOTA terminology, rules and models to classify ovarian masses: case examples with audience participation!

L. Valentin (Sweden)

Urogynecology

Chairs: A. Youssef (Italy); J. Deprest (Belgium)

- 08:15 **INVITED:** How ultrasound guides my surgery in urogynecology
J. Deprest (Belgium)
- 08:35 **OC25.01** Evaluation of the difference of elastic modulus between contracting and resting state of levator ani muscle measured by real-time shear wave elastography
Y. Wang (China)
- 08:43 **OC25.02** Fetal head engagement is associated with larger pelvic hiatal dimensions in nulliparous women at term
E. Montaguti (Italy)
- 08:51 **OC25.03** Flatus incontinence and anal sphincter trauma
J. Caudwell-Hall (Australia)
- 08:59 **OC25.04** A study on the practicality of the semi-automatic measurement for the urogenital hiatus
S. Wang (China)
- 09:07 **OC25.05** Subjective and objective success after Uphold mesh
J. Caudwell-Hall (Australia)
- 09:15 **OC25.06** How to diagnose 'vaginal laxity' on translabial ultrasound
J. Caudwell-Hall (Australia)

HALL 4

Masterclass



Screening for chromosomal abnormalities in daily practice: what every clinician needs to know

J. Hyett (Australia)

HALL 1

09:40-10:20

Short oral presentation (OP)

OP18 Thoracic and abdominal abnormalities
*Chairs: A. Gagnon (Canada);
A. Johnson (United States)*

10:15-10:45

Coffee and e-poster viewing

10:45-12:05

Impacts of fetal heart disease

Chairs: S. Yagel (Israel); D. Paladini (Italy)

- 10:45 **INVITED:** Fetal hemodynamics
S. Yagel (Israel)
- 11:25 **OC26.03** Comparison of the prevalence of pathogenic copy number variation in tetralogy of Fallot and associated congenital heart defect diagnosed between fetuses and children
S. Ge (United States)
- 11:33 **OC26.04** The study on the value of high-definition live flow imaging mode of spatiotemporal image correlation technology in the diagnosis of fetal complete vascular ring
L. Chen (China)
- 11:41 **OC26.05** The predominance of the fetal right heart chambers in the second and third trimester
I. Safonova (Ukraine)
- 11:49 **OC26.06** Anomalies of the aortic arch: a 10-year experience at NUH
L. Natarajan (India / Singapore)
- 11:57 **OC26.07** Cardiac ventricular apex ratio (CVAR) at 11–13 weeks: a first trimester marker for congenital heart defects (CHD) and chromosomal defects
F. Ushakov (United Kingdom)

HALL 2

Short oral presentation (OP)

OP19 Fetal growth and Doppler throughout the trimesters
Chair: A. Tabor (Denmark)

Coffee and e-poster viewing

Fetal structural anomalies and postnatal outcome

*Chairs: B. Tutschek (Switzerland);
S. Goergen (Australia)*

- 10:45 **INVITED:** Neonatal follow-up of fetal malformations
S. Goergen (Australia)
- 11:05 **OC27.01** Neonatal outcome and long-term sequelae in CMV infected neonates according to the timing of primary maternal infection
J. Stirneman (France)
- 11:13 **OC27.02** Prenatally diagnosed echogenic kidneys: postnatal outcome
A. Yulia (United Kingdom)
- 11:21 **OC27.03** Outcome of abdominal cysts detected at 11–14 weeks of gestation: a two-centres' experience
T. Fanelli (Italy)
- 11:29 **OC27.04** Utility of infectious and cystic fibrosis workup in prenatal diagnosis of echogenic intra-abdominal structures
E. Lee (United States)
- 11:37 **OC27.05** Long-term follow-up on fetuses with isolated sonographic finding of short long bones
A. Mohr Sasson (Israel)
- 11:45 **OC27.06** Non-visualisation of the fetal gallbladder (NWFG) at prenatal ultrasound: cohort study and systematic review of the literature on postnatal outcome
L.J. Salomon (France)
- 11:53 **OC27.07** Evaluation of an objective antenatal measurement of fetal bowel echogenicity
O. Picone (France)

HALL 3**Short oral presentation (OP)****OP20** Urogynecology*Chairs: J. Deprest (Belgium); A. Youssef (Italy)***Coffee and e-poster viewing****Workshop****Fertility preservation in gynecology: how ultrasound can help***Chairs: W. Martins (Brazil); E. Epstein (Sweden)*

- 10:45 The role of ultrasound in fertility preservation surgery
J. Yazbeck (United Kingdom)
- 11:05 How to use ultrasound to identify and manage recurrent borderline ovarian tumours: follow-up scans or repeat surgery?
A.C. Testa (Italy)
- 11:20 The ultrasound-guided surgical management of recurrent borderline ovarian tumours
J. Yazbeck (United Kingdom)
- 11:35 How ultrasound helps me carry out office and day surgical procedures
D. Jurkovic (United Kingdom)
- 11:50 Investigating pediatric pelvic pain including torsion
C. Ong (Singapore)

HALL 4**Short oral presentation (OP)****OP21** Placental disorders*Chairs: F. Da Silva Costa (Brazil); N. Vrachnis (Greece)***Coffee and e-poster viewing**

HALL 1

12:10-12:50

Short oral presentation (OP)

OP22 Fetal heart: better screening and outcomes
*Chairs: H. Nguyen (Vietnam);
D. Paladini (Italy)*

12:45-14:15

Lunch and e-poster viewing

13:00-14:00

Industry sponsored satellite symposia**

14:15-15:50

Workshop

Abnormally invasive placenta

*Chairs: L.J. Salomon (France);
I.E. Timor-Tritsch (United States)*

- 14:15 Detecting it with ultrasound
I.E. Timor-Tritsch (United States)
- 14:35 The role of MRI
L.J. Salomon (France)
- 14:55 Management strategies
A. Abuhamad (United States)
- 15:15 Real-life cases
N. Nguyen (Vietnam)

15:50-16:50

Closing plenary: The power of ultrasound

Chairs: K. Hecher (Germany); R. Chaoui (Germany)

- 15:50 Awards presentation: Top abstract, Young Investigator and best in category
*A.T. Papageorghiou (United Kingdom);
D. Timmerman (Belgium)*
*ASUM awards
G. Condous (Australia)*
- 16:05 The power of ultrasound: challenge the 2017 champion – top images from top experts
*B. Benoit (France); P. Acharya (India);
R.K. Pooh (Japan); G. Condous (Australia);
S. Meagher (Australia); A.C. Testa (Italy)*
- 16:35 Discussion and voting

HALL 2

Short oral presentation (OP)

OP23 Fetal structural anomalies
Chairs: A. Ngu (Australia); Q. Wu (China)

Lunch and e-poster viewing

Workshop

Fetal anatomical assessment using MRI

*Chairs: D. Prayer (Austria);
G. Malingier (Israel)*

- 14:15 I don't need MRI
R.K. Pooh (Japan)
- 14:35 The power of MRI
D. Prayer (Austria)
- 14:55 Brain development: how does MRI help us?
M. Sanz Cortes (United States)
- 15:15 ISUOG guidelines through cases
G. Malingier (Israel); D. Prayer (Austria)

**Lunchtime satellite symposia are brought to you by our sponsors and are not part of the ISUOG CME program. ISUOG takes no responsibility for scientific or clinical content. Please see page 120 for our satellite program.

HALL 3

Case studies

Discussion of clinical cases: watch the experts struggle

Chairs: G. Condous (Australia); I.E. Timor-Tritsch (United States)

Lunch and e-poster viewing

Workshop

How do we manage pathology found on ultrasound in asymptomatic women?

Chairs: T. Bourne (United Kingdom); A.C. Testa (Italy)

- 14:15 Is a thick endometrium in postmenopausal women abnormal: should you take a biopsy?
L. Jokubkiene (Sweden)
- 14:30 Should we be looking at pelvic veins? How does pelvic pathology impact on venous flow and pelvic vein thrombosis?
D. Jurkovic (United Kingdom)
- 14:45 Fibroids, polyps and congenital abnormalities found on a baseline fertility scan: what should you advise your patients about treatment?
T. Van den Bosch (Belgium)
- 15:00 Enhanced myometrial vascularity after pregnancy: leave it, treat it or embolise it
K. Grewal (United Kingdom)
- 15:15 What should we do with benign looking ovarian cysts found by chance on a scan?
W. Froyman (Belgium)
- 15:30 If you see endometriosis should you leave it? The natural history of endometriosis in pregnant and non-pregnant women
D. Jurkovic (United Kingdom)

HALL 4

Workshop



Gastrointestinal

Chair: S. Meagher (Australia)

- 12:10 First trimester gastroschisis
F. Ushakov (United Kingdom)
- 12:20 Omphalocele diagnosis and differential diagnosis
F. Ushakov (United Kingdom)
- 12:40 First trimester fetal bowel obstruction
S. Meagher (Australia)

Lunch and e-poster viewing

Workshop



Genitourinary, skeletal and multiple pregnancy

Chair: S. Meagher (Australia)

- 14:15 LUTO 11-14 weeks
C.M. Bilaro (Netherlands)
- 14:30 Skeletal anomalies: 11-14 weeks
R. Chaoui (Germany)
- 14:45 A few words about multiple pregnancy
L.J. Salomon (France)
- 15:00 First trimester certificate: summary and test
S. Meagher (Australia); L.J. Salomon (France)

Hubs

HUB 1	HUB 2
08:15-09:15	
09:40-10:20 Poster discussion (P) P16: Safety and education <i>Chair: T. Ghi (Italy)</i>	Poster discussion (P) P17: Screening for pregnancy complications II <i>Chair: F. Figueras (Spain)</i>
11:00-12:00 Interactive Special interest group (SIG): MRI <i>Chair: G. Malinger (Israel)</i>	
12:10-12:50 Poster discussion (P) P18: Diagnosis of fetal heart abnormalities and functional assessment <i>Chair: A. Abuhamad (United States)</i>	Poster discussion (P) P19: Multiple pregnancies <i>Chair: P. Acharya (India)</i>

HUB 3**Interactive**

Future plans and lessons learnt from multicentre studies

*Chairs: G. Condous (Australia);
T. Van den Bosch (Belgium)*

Interactive

How to evaluate a patient who presents with pelvic pain

Chair: B. Benacerraf (United States)

HUB 4**Interactive**

Controversies in reproductive medicine

Chair: S. Campbell (United Kingdom)

Poster discussion (P)

P20: First trimester ultrasound in the era of cfDNA

Chair: C. Brezinka (Austria)

OP - Wednesday 24.10.2018

OP18: Thoracic and abdominal abnormalities

Hall 1

Chairs: A. Gagnon (Canada); A. Johnson (United States)

Suprarenal masses: prenatal evaluation by MRI and long-term outcomes <i>P.T. Castro (Brazil)</i>	OP18.01
Sonographic features of fetal hepatic hemangioma before and after birth <i>Y. Li (China)</i>	OP18.02
Imaging the fetal esophagus using three-dimensional ultrasound and Crystal Vue rendering technology <i>A. Dall'Asta (Italy)</i>	OP18.03
Prenatal and neonatal ultrasonography of fetal low-type imperforate anus with anocutaneous fistula <i>T. Kaji (Japan)</i>	OP18.04
Evaluating variability in antenatal sonographic prognostication of congenital diaphragmatic hernia across the North American Fetal Therapy Network <i>N. Abbasi (Canada)</i>	OP18.05
Clinical significance of echogenic intra-abdominal focus findings <i>E. Lee (United States)</i>	OP18.06
Survival prediction of fetuses with congenital diaphragmatic hernia in Chile <i>M. Yamamoto (Chile)</i>	OP18.07
The use of three-dimensional ultrasound in predicting complex gastroschisis: a longitudinal, prospective, multicentre cohort study <i>A. Hijkoop (Netherlands)</i>	OP18.08
The validity of the viscerobdominal disproportion ratio for type of surgical closure in all omphalocele fetuses throughout pregnancy <i>A. Hijkoop (Netherlands)</i>	OP18.09
Fetal gastric size measurements in diagnosing GI abnormalities <i>V. Kashyap (India)</i>	OP18.10

OP19: Fetal growth and Doppler throughout the trimesters

Hall 2

Chairs: L. Platt (United States); A. Tabor (Denmark)

Diagnostic performance of ultrasound for the prediction of late smallness-for-gestational age: a systematic review and meta-analysis <i>R.J. Martinez-Portilla (Spain)</i>	OP19.01
First trimester umbilical vein flow in the development of large-for-gestational-age newborns <i>G. Rizzo (Italy)</i>	OP19.02
The role of prenatal assessment of placental cord insertion in unselected singleton pregnancies <i>S. Tudorache (Romania)</i>	OP19.03
Risk factors of fetal growth restriction in pregnancy with congenital heart disease <i>T.Y. Konishi (Japan)</i>	OP19.04
Echocardiographic differences between late SGA and AGA fetuses <i>E. Cosmi (Italy)</i>	OP19.05
Which Doppler parameter during the second trimester ultrasound should be assessed as predictor for late small-for-gestational-age fetus? <i>E. Cosmi (Italy)</i>	OP19.06
Fetoplacental Doppler association with placental pathology in pre-eclampsia and fetal growth restriction <i>L. Youssef (Spain)</i>	OP19.07

Pseudo-continuous labelling (pCASL) of arterial spins for the non-invasive assessment of placental perfusion: a feasibility study <i>P. Sonigo (France)</i>	OP19.08
Fetal middle cerebral artery Doppler impedance is not related to maternal hemodynamic function <i>J. Tay (United Kingdom)</i>	OP19.09
Maternal cardiovascular changes secondary to sildenafil intake in pregnancies complicated by severe fetal growth restriction: STRIDER trial <i>A. Khalil (United Kingdom)</i>	OP19.10

OP20: Urogynecology

Chairs: J. Deprest (Belgium); A. Youssef (Italy)

Clinical value of the angular parameter variation of anterior compartment by transperineal ultrasonography <i>S. Wang (China)</i>	OP20.01
WITHDRAWN	OP20.02
Translabial ultrasound for the diagnosis of urethral diverticula <i>J. Caudwell-Hall (Australia)</i>	OP20.03
Reproducible study of real-time shear wave elastography in female puborectalis muscle <i>Y. Wang (China)</i>	OP20.04
WITHDRAWN	OP20.05
A study on the feasibility of the automatic cystocele severity grading in transperineal ultrasound <i>S. Wang (China)</i>	OP20.06
Study on the correlation between diastasis recti and pelvic floor dysfunction using ultrasound <i>E. Qu (China)</i>	OP20.07
Ultrasonic diagnosis and differential diagnosis of enterocele in postpartum female <i>Y. Wang (China)</i>	OP20.08

OP21: Placental disorders

Chairs: F. Da Silva Costa (Brazil); N. Vrachnis (Greece)

Can total cell-free DNA in maternal plasma or serum be used to predict pre-eclampsia? A systematic review <i>A.C. Werlang (Canada)</i>	OP21.01
Placental structure and vascularisation in IVF/ICSI-pregnancies compared to naturally conceived pregnancies <i>V. Schiffer (Netherlands)</i>	OP21.02
Maternal periconceptional lifestyles and impact on (non-)invasive markers of the placenta throughout pregnancy: a systematic review <i>A. Mulders (Netherlands)</i>	OP21.03
Spiral arterial blood flow during pregnancy: a systematic review and meta-analysis <i>V. Schiffer (Netherlands)</i>	OP21.04
Longitudinal sFlt-1, PlGF and sFlt-1/PlGF ratio measurements in predicting the development of placental syndrome in high-risk women <i>M. Hendrix (Netherlands)</i>	OP21.05
Placental examination during routine ultrasounds in a Dutch academic hospital <i>V. Schiffer (Netherlands)</i>	OP21.06
Correlation between placental pathology and angiogenic factors <i>C. Hofstaetter (Switzerland)</i>	OP21.07
Genetic predisposition of pre-eclampsia and changed flow in uterine artery basin <i>N. Vedmedovska (Latvia)</i>	OP21.08

Hall 3

Hall 4

Routine antenatal screening for infants born below the 5th birthweight percentile <i>K. Stephens (United Kingdom)</i>	OP21.09
Do small fetuses shrink prior to delivery? An analysis of near term SGA <i>K. Stephens (United Kingdom)</i>	OP21.10
Added value of chromosomal microarray analysis above conventional karyotyping in stillbirth work-up: systematic review and meta-analysis <i>R.J. Martinez-Portilla (Spain)</i>	OP21.11

OP22: Fetal heart: better screening and outcomes

Chairs: H. Nguyen (Vietnam); D. Paladini (Italy)

Echocardiographic characteristics and clinical outcome in fetuses with complete closure of the ductus arteriosus <i>S. Ge (United States)</i>	OP22.01
Shifting the focus of mid-trimester fetal echocardiography to 11–14 week scan <i>S. Lakshmy (India)</i>	OP22.02
First trimester diagnostic accuracy of two-dimensional ultrasound technique in congenital heart diseases and great arteries anomalies <i>S. Tudorache (Romania)</i>	OP22.03
Selective serotonin reuptake inhibitors during pregnancy and fetal cardiac function <i>L. Kolding (Denmark)</i>	OP22.04
The application of "left innominate vein–aortic branches view" in prenatal diagnosis of congenital cardiovascular anomalies <i>M. Xie (China)</i>	OP22.05
Echocardiographic comparisons of the fetal pulmonary stenosis before and after delivery <i>Y. Guo (China)</i>	OP22.06
Role of position of descending aorta in four chamber view as a marker in diagnosis of right sided aortic arch <i>K. Gopal (India)</i>	OP22.07
In utero treatment of a large symptomatic rhabdomyoma with sirolimus <i>S. Lee (Australia)</i>	OP22.08
Predictive value of cardiovascular parameters in stages I and II of Twin–twin transfusion syndrome <i>T. Ying (China)</i>	OP22.09
Neonates with congenital heart defects diagnosed prenatally: comparison of mortality of full-term babies and preterm babies born by Caesarean section <i>M. Slodki (Poland)</i>	OP22.10

Hall 1

OP23: Fetal structural anomalies

Chairs: A. Ngu (Australia); Q. Wu (China)

First trimester scan for the early detection of fetal structural anomalies: women's knowledge and attitude <i>F. Bardi (Netherlands)</i>	OP23.01
Prenatal diagnosis of fetal neuroblastoma: a report of four cases <i>H. Muñoz (Chile)</i>	OP23.02
Consequences of continued reporting of fetal echogenic intracardiac foci (EIF) and choroid plexus cysts (CPC) <i>A.W. Welsh (Australia)</i>	OP23.03
Cervical lymphangioma: prenatal evaluation by MRI and long-term outcomes <i>P.T. Castro (Brazil)</i>	OP23.04
Fetal nasal bone length in the second trimester: does one size fit all? <i>I. Tan (Singapore)</i>	OP23.05

Hall 2

Prevalence, diagnosis and outcome of oral clefts in Singapore: a five-year retrospective review <i>Z. Mok (Singapore)</i>	OP23.06
Parental serum alkaline phosphatase activity as an auxiliary tool for prenatal diagnosis of hypophosphatasia <i>Y. Takahashi (Japan)</i>	OP23.07
Is isolated sonographic finding of short long bones associated with parental stature? <i>A. Mohr Sasson (Israel)</i>	OP23.08
Prenatal diagnosis of Coffin Siris syndrome <i>O. Picone (France)</i>	OP23.09
Prenatal genetic screening and neonatal outcomes in fetuses with echogenic intra-abdominal structures <i>E. Lee (United States)</i>	OP23.10
The value of prenatal diagnosis of birth defect in Tibet autonomous region by standardised prenatal ultrasound screen training <i>X. Chen (China)</i>	OP23.11

P - Wednesday 24.10.2018

P16: Safety and education

Chair: T. Ghi (Italy)

	Hall 6 Hub 1
Training of obstetrical skills in assessing fetal station <i>T.M. Eggebo (Norway)</i>	P16.01
Training of obstetrical skills in assessing fetal position <i>T.M. Eggebo (Norway)</i>	P16.02
Analysis of the integrity and breakage rate of covers used in transvaginal ultrasound examinations <i>J.M. Basseal (Australia)</i>	P16.03
An interactive experiment combining US, MRI and haptic to physically feel the fetus <i>H. Werner (Brazil)</i>	P16.04
Preliminary experience with commencing a "pilot" standardised curriculum in obstetric and gynecological ultrasound in Lebanon <i>R.S. Abu-Rustum (Lebanon)</i>	P16.05
Maternal-fetal attachment in blind women using physical model from 3D ultrasound and MRI <i>H. Werner (Brazil)</i>	P16.06
Knowledge attitude and practice of pregnant women towards routine ultrasonography <i>M. Islam (Bangladesh)</i>	P16.07

P17: Screening for pregnancy complications II

Chair: F. Figueras (Spain)

	Hall 6 Hub 2
Is estimated fetal weight an accurate representation of actual birthweight in small-for-gestational-age infants at or near term? <i>K. Stephens (United Kingdom)</i>	P17.01
Ultrasound in early pregnancy by village midwives in Sudan <i>A.Y. Yusuf (Sudan)</i>	P17.02
Uterocervical angle measurement in the prediction of preterm birth in women presenting with threatened preterm labour <i>J.M. Crane (Canada)</i>	P17.03
Factors for prevention of previable delivery following rescue cerclage <i>S. Jung (Republic of Korea)</i>	P17.04
Does a LLETZ procedure have a significant effect on ultrasonographic length/consistency in the second trimester of pregnancy? <i>J.S. Woo (Australia)</i>	P17.05
Three-dimensional reconstruction of the uterine artery cervical segment at 11–14 weeks' gestation <i>D. Nemescu (Romania)</i>	P17.06
Performance of pre-eclampsia screening in a high-risk population <i>E.F. Zwertbroek (Netherlands)</i>	P17.07
Assessment for pre-eclampsia by uterine artery Doppler in first and second trimester of gestation <i>U. Tserensambuu (Mongolia)</i>	P17.08
WITHDRAWN	P17.09
Blood flow in maternal kidneys in third trimester <i>T.M. Eggebo (Norway)</i>	P17.10

P18: Diagnosis of fetal heart abnormalities and functional assessment**Hall 6 Hub 1***Chair: A. Abuhamad (United States)*

- New explanation of false-positive diagnosis of coarctation of the aorta during fetal life P18.01
M. Slodki (Poland)
- Antenatally diagnosed fetal cardiac anomalies: a review of perinatal outcome and optimum mode of delivery stratified by severity of cardiac anomaly P18.02
P. Shetty (Australia)
- Speckle tracking in fetal echocardiography in normal and abnormal cases P18.03
C.P. Lulla (India)
- STIC combined with high-definition flow imaging in the diagnosis of fetal vascular rings: an approach based on three cases from a tertiary centre P18.04
J. Tseng (Taiwan)
- F-TAPSE for fetal cardiac function evaluation in the early second trimester of pregnancy in normal and pathological cases P18.05
B. Messing (Israel)
- The construction and clinical value of fetal congenital heart malformation (CHD) database system P18.06
Q. Pei (China)
- Prenatal diagnosis of aortopulmonary window and its perinatal outcomes: a single-centre experience P18.07
J. Koh (Republic of Korea)
- Prenatal ultrasound diagnosis of unroofed coronary sinus and literature review P18.08
L. Chen (China)
- Differential diagnosis of fetal large ventricular septal defect and tetralogy of Fallot based on big data analysis P18.09
S. Ge (United States)

P19: Multiple pregnancies**Hall 6 Hub 2***Chair: P. Acharya (India)*

- Previably premature rupture of membranes in dichorionic twin pregnancies: selective reduction or expectant management? A retrospective case series P19.01
A. Gagnon (Canada)
- Procedural and obstetrical outcomes of amniocentesis or chorionic villus sampling in dichorionic twin pregnancies P19.02
M. Kim (Republic of Korea)
- Regional and provider differences in management and pregnancy outcomes of monochorionic diamniotic (MCDA) twins P19.03
I. Datkhaeva (United States)
- The intertwin difference in first trimester nuchal translucency does not predict birthweight discordance in twin pregnancies P19.04
F. Moretti (Canada)
- Intertwin discrepancy in cerebroplacental ratio (CPR- Δ) in the second trimester as a predictor of Twin-twin transfusion syndrome (TTTS) P19.05
T. Wong (United States)
- Increased intertwin discrepancy in cerebroplacental ratio (CPR- Δ) is predictive of earlier age at delivery in monochorionic-diamniotic (MCDA) twins P19.06
T. Wong (United States)
- Cardiomegaly in monochorionic twin pregnancies expect cardiotoxic agent use in neonatal period even without Twin-twin transfusion syndrome P19.07
S. Iwagaki (Japan)
- Sonographically estimated fetal weight discordance and perinatal outcomes in twin pregnancies P19.08
H. Boo (Republic of Korea)

Regional differences in the management of monochorionic diamniotic (MCDA) twins complicated by Twin–twin transfusion syndrome (TTTS) <i>I. Datkhaeva (United States)</i>	P19.09
Intertwin discrepancy of middle cerebral artery peak systolic velocity (MCAPSV-Δ) in the third trimester and pregnancy outcomes in monochorionic-diamniotic (MCDA) twins <i>T. Wong (United States)</i>	P19.10

P20: First trimester ultrasound in the era of cfDNA

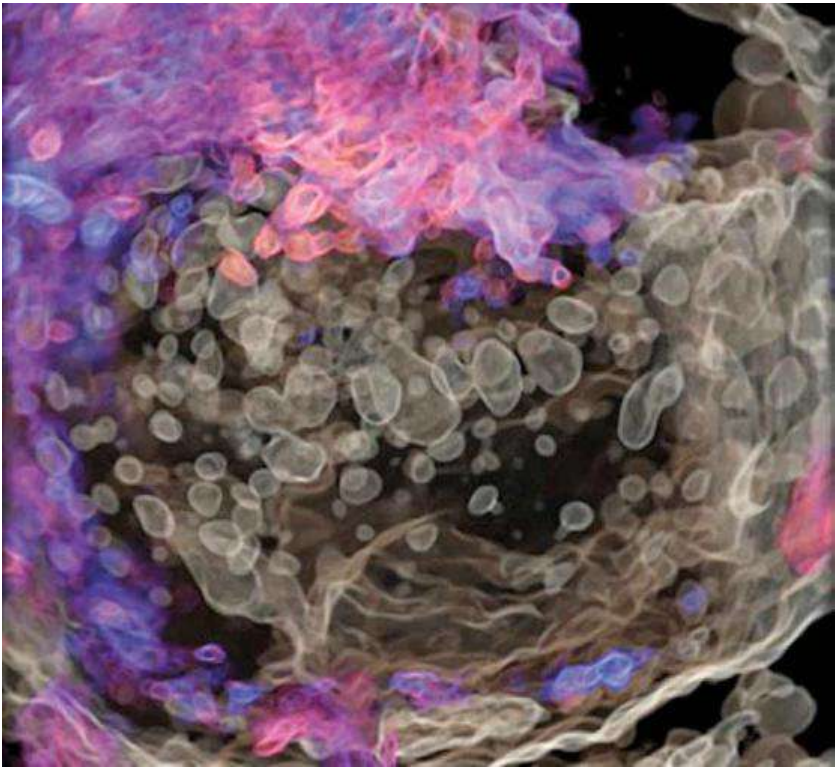
Hall 6 Hub 4

Chair: C. Brezinka (Austria)

Low-set ear detected by three-dimensional ultrasound in the first trimester and genetic cause <i>R.K. Pooh (Japan)</i>	P20.01
WITHDRAWN	P20.02
Relationship between uterine artery pulsatility index and fetal fraction cell-free DNA in maternal plasma at 11+0 to 13+6 weeks of gestation <i>G. Rizzo (Italy)</i>	P20.03
Fetal fraction following selective reduction in twin pregnancies <i>M. Schmid (United States)</i>	P20.04
Efficiency and limits of the non-invasive prenatal genetic testing: a comparative review <i>P. Liana (Romania)</i>	P20.05
The experience with whole-genome array as a first-line cytogenetic test in invasive prenatal diagnosis <i>M. Hynek (Czech Republic)</i>	P20.06
First trimester combined screening for fetal aneuploidies enhanced with additional ultrasound markers: an eight-year prospective study <i>D. Nemescu (Romania)</i>	P20.07
Correlation of fetal ultrasonographic findings in prenatally diagnosed de novo balanced translocations <i>E. Seong (Republic of Korea)</i>	P20.08
Association of a positive result on the first trimester combined screening test and adverse perinatal outcomes <i>R.A. Moreira de Sa (Brazil)</i>	P20.09
Risk of fetal loss in pregnancies undergoing mid-trimester amniocentesis after inconclusive chorionic villus sampling <i>T. Fanelli (Italy)</i>	P20.10

EXHIBITION & SPONSORSHIP

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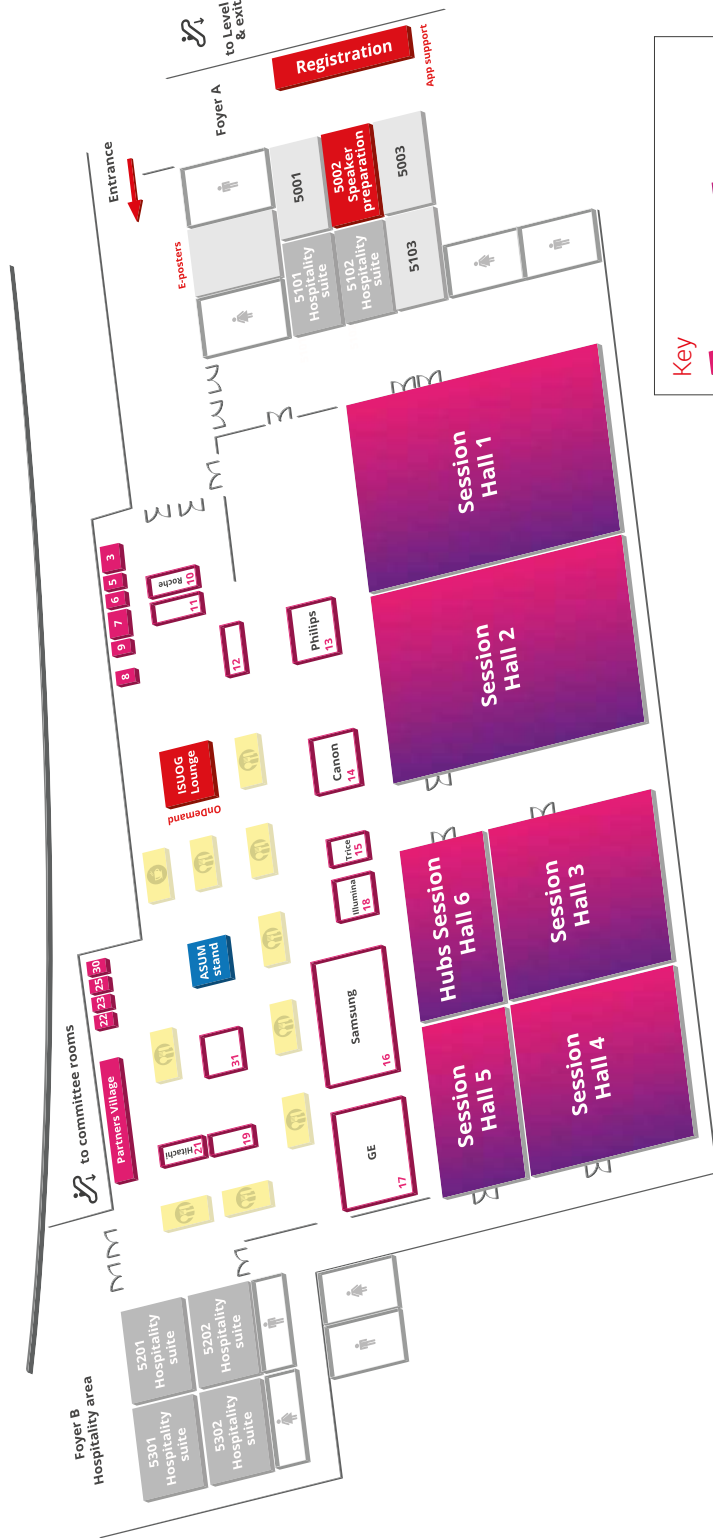


October 2018

Molar pregnancy visualized with HDlive Flow with HDlive silhouette mode.

Hata T, Kanenishi K, Nitta E, Yamamoto K, AboEllail MAM, Mori N. Ultrasound Obstet Gynecol 2018; 552-554

Exhibition floor plans



Key

- Scientific sessions
- Hospitality suites
- ISUOG
- Shell scheme (3x2)
- Free build
- Catering

Exhibitor listing

Booth	Company
22	3D Systems Symbionix
Partners Village	Asia Pacific Initiative on Reproduction (Aspire)
30	astraira software
32	Australasian Society for Ultrasound in Medicine (ASUM)
6	CAE Healthcare
14	Canon Medical Systems Corporation
Partners Village	Chinese Society of Ultrasound in Medicine (CSUM)
17	GE Healthcare
5	Germitec
21	Hitachi, Ltd
18	Illumina, Singapore Pte Ltd
19	IQ Medical Ventures
ISUOG Lounge	International Society of Ultrasound in Obstetrics and Gynecology (ISUOG)
8	Jai Ganesh Pearls
Partners Village	Korean Society of Ultrasound in Obstetrics and Gynecology (KSUOG)
3	MedaPhor Ltd
23	Medialogic Solutions Pvt. Ltd
31	Mindray Medical
7	Natera Inc
9	PerkinElmer
Partners Village	Philippine Society of Ultrasound in Obstetrics and Gynecology (PSUOG)
13	Philips
10	Roche Sequencing Solutions
16	Samsung
Partners Village	Society of Fetal Medicine (SFM)
25	SonoSim, Inc
15	Trice Imaging
11	Tristel
Partners Village	Vietnamese Society of Ultrasound in Medicine (VSUM)
12	VINNO Technology (Suzhou) Co., Ltd
Partners Village	World Association of Trainees in Obstetrics and Gynaecology (WATOG)

3D Systems Symbionix

Booth: 22

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+1 303 273 5344
Galia Zilbershtein-Salant: healthcare@3dsystems.com
www.symbionix.com

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Aspire

Partners Village

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Hua Jing Qi: jqhoa@aspire-reproduction.org
www.aspire2019.com

The 9th Congress of the Asia Pacific Initiative on Reproduction (ASPIRE 2019) will be held on 2 – 5 May 2019 at the Hong Kong Convention and Exhibition Centre. This annual congress is jointly organized by the Asia Pacific Initiative on Reproduction (ASPIRE) and the Hong Kong Society for Reproductive Medicine (HKSRM). ASPIRE 2019 on the theme of "Cutting Edge of Reproductive Medicine" will offer a very good experience and networking opportunity to discuss the current topics in reproductive medicine.

astraia software

Booth: 30

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astraia software gmbh provides a software solution in obstetrics and gynaecology for structured documentation and reporting, for quality assurance as well as for scientific studies. The company was founded in 2000 and it is based in Munich, Germany. A dedicated team of about 30 employees serves more than 1,500 customers in over 75 countries. In many countries, astraia is also represented by local sales partners. astraia cooperates closely with leading experts around the world.

ASUM

Booth: 32



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The Australasian Society for Ultrasound in Medicine (ASUM) is a multidisciplinary society whose mission is to advance the clinical practice of diagnostic medical ultrasound for the highest standards of patient care.

ASUM promotes a multidisciplinary approach to education, research, standards, certification, advocacy and fellowship among all practitioners including medical, sonographer, scientific and corporate representation across Australia and New Zealand.

ASUM's official journal, the Australasian Journal of Ultrasound in Medicine (AJUM), is an international peer-reviewed medical ultrasound journal and can be accessed at www.ajum.com.au

CAE Healthcare

Booth: 6

6300 Edgelake Dr, Sarasota, 34240, USA
+1 941 210 9859
Jamie Stuart: jamie.stuart@cae.com
www.caehealthcare.com

CAE Healthcare is a training partner of choice for hospitals, clinicians, educational institutions and military organizations worldwide. Visit the CAE Healthcare booth to learn about our CAE Vimedix simulator, designed to develop cognitive and psychomotor skills for Ob/Gyn ultrasound with self-directed instructional content and validated performance metrics. Vimedix now incorporates augmented reality with Microsoft HoloLens to accelerate comprehension of human anatomy and ultrasound planes.

**Together, we
make it possible.**

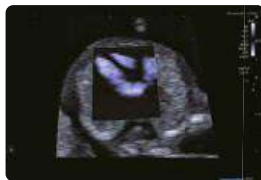
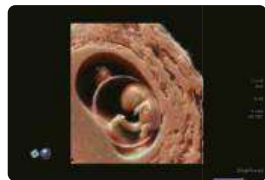
Made For life



Delivering superior image quality lies at the heart of everything we do, because we believe that only the best images can give you the confidence to make the most critical decisions during early stage pregnancy and beyond.

From our unique SMI technology that reveals minute microvascular flow never seen before with ultrasound, to advanced 4D applications that add true clinical value to your diagnosis, we equip you with the best tools to help you see more.

Visit our educational sessions at ISUOG 2018 and learn about how our Women's Health solutions can support you in providing the best care for your patients.



Canon Medical Systems Corporation Booth: 14



70-1 Yanagi-cho, Saiwai-ku, Kawasaki-shi,
Kanagawa 212-0015, Japan
+81 363 69 96 76
Jeroen Uijttenhout: jeroen1.ujttenhout@medical.canon
www.global.medical.canon

Canon Medical Systems offers a full range of diagnostic medical imaging solutions. In line with our continued Made for Life philosophy, patients are at the heart of everything we do. Our mission is to provide medical professionals with solutions that support their efforts in contributing to the health and wellbeing of patients worldwide so that together our industry-leading solutions deliver an enriched quality of life. On January 4th 2018, Toshiba Medical became Canon Medical Systems.

CSUM Partners Village

42 Dongsixidajie, Dongcheng District, Beijing,
CHINA, 100710
+86 01085158479,
Danni Li: dannilicma@gmail.com

The Chinese Society of Ultrasound in Medicine (CSUM) was founded in 1986 with the official approval of the Chinese Medicine Association (CMA). It is a leading academic and scientific group in China. Its academic agenda covers sophisticated and comprehensive topics and technology with workshops, master classes, case supervisions, panel discussions and invited symposiums, representing China's most successful and mainstream academic techniques. CSUM features modern and academic programs to promote the development of ultrasound medicine in China.

Germitec Booth: 5

3-5 allée de la Seine 94200 Ivry-sur-Seine, France
+33 01 49 87 18 00
contact@germitec.com
www.germitec.com

Created in 2005 and based in France, Germitec has 14 staff. It developed the first photonic ILD-HLD platform, Antigermix, which it intends to offer for a range of medical instruments such as ultrasound probes. The company is ISO 13485 certified. Germitec is an innovative company according to French investment bank BPI. A PM'UP prize winner, it was awarded the European Commission's Certificate of Excellence as part of the Horizon 2020 projects.

GE Healthcare

Booth: 17



GE Healthcare

Tiefenbach 15, Zipf 4871, Austria
+43 76823800780
Heleen van Weel: heleen.vanweel@ge.com
www.voluson.com

GE Healthcare is the \$19 billion healthcare business of GE. As a leading provider of medical imaging, monitoring, biomanufacturing, and cell and gene therapy technologies, GE Healthcare enables precision health in diagnostics, therapeutics and monitoring through intelligent devices, data analytics, applications and services. With over 100 years of experience in the healthcare industry and more than 50,000 employees globally, the company helps improve outcomes more efficiently for patients, healthcare providers, researchers and life sciences companies around the world.

Hitachi, Ltd

Booth: 21

HITACHI
Inspire the Next

2-16-1 Higashi-Ueno, Tokyo, 110-0015, Japan
+81 3 6284 3100
Kohei Asakura: kohei.asakura.nd@hitachi.com
www.hitachi.com

Hitachi supplies a diverse range of equipment, systems, and services in the medical and healthcare field where demand continues to strengthen against a background of an aging society and a growing prevalence of lifestyle diseases.

Illumina Singapore Pte Ltd

Booth: 18

illumina[®]

11 Biopolis Way 09-05, Helios, 138667, Singapore
+61 3 9212 9978 / +61 428 115 709
Gail O'Connell: goconnell@illumina.com
www.illumina.com

Think you know everything about noninvasive prenatal testing (NIPT)? Think again.

Noninvasive testing provides high detection rates, low false-positive results, and no risk to mother and baby. Visit us at ISUOG to gain insights about the value of NIPT in the prenatal care pathway. You'll also discover how Illumina is expanding NIPT screening capabilities to a broader range of chromosomes and making our innovative technology easily accessible to clinical labs. www.illumina.com



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IQ Medical Ventures

World Trade Centre Suite 1960, Rotterdam,
3011AA, Netherlands
+ 31 653140968
Eric Reep: Reep@iq-medicalventures.com
www.iq-medicalventures.com

EXEM FOAM - IQ Medical Ventures is a medical device revolving Incubator Company. We develop bright ideas from physicians into simple, affordable and safe products for the daily practice. IQ-Medical Ventures currently markets two products in the field of gynaecological ultrasound imaging (hysterosalpingo foam sonography and gel instillation sonohysterography). The basis for these two products is ExEm® Gel, of which ExEm Foam Kit will be presented at ISUOG 2018.

ISUOG



122 Freston Road, London, W10 6TR, UK
+44 (0)20 7471 9955
Freya Ross: info@isuog.org
www.isuog.org

ISUOG is a charity and membership association encouraging exceptional research and education in ultrasound and related imaging within the field of obstetrics and gynecology. ISUOG has been in existence since 1991 and, with over 13000 members in 128 countries, it is the leading international society representing professionals in ultrasound for obstetrics and gynecology. ISUOG's official journal, *Ultrasound in Obstetrics & Gynecology* (UOG), also known as the *White Journal*, is recognised as the leading peer-reviewed journal on imaging within the field of obstetrics and gynecology, with an impact factor of 5.65 and more than 2.5 million article downloads each year. All ISUOG members registering for the Congress or for one of the pre-Congress courses will receive basic membership for 2019. Non-members will receive one year ISUOG basic membership from the time of Congress. Benefits include access to over 1400 online presentations via On Demand (platform to view recordings and lectures from our World Congresses, 2010-2017) and over 250 online lectures categorised into 35 learning modules. Visit the ISUOG Lounge to find out more about membership and browse your benefits.

Booth: 19

Jai Ganesh Pearls

21-7-254 Charkaman, Hyderabad, 500002, India
+91 83 28 55 31 44
Naresh Sanghi: nareshsanghi@gmail.com
www.jaiganeshpearls.com

We deal in a wide range of pearl jewellery including bracelets, chains, necklaces, earrings, chokers, pearls, bangles and earrings.

Booth: 8

KSUOG

Partners Village

258-1, Toegye-ro, Jung-gu, Seoul, Korea
(Cheil General Hospital)
+82-2-2000-4723
Ja-Young Kwon: office@ksuog.or.krr
www.eng.ksuog.or.kr

The Korean Society of Ultrasound in Obstetrics and Gynecology (KSUOG) is a membership association founded in 1997, connecting 1700 members, 38 universities, and 650 OBYN hospitals in Korea. We aim to contribute to the prosperity of ultrasound in OBGYN as well as human welfare through collaborative international academic interactions. And we are excited to have you all in Seoul, Korea for ISUOG 2021. Please visit our stand to find out more about us and Korea!

MedaPhor Ltd

Booth: 3

Cardiff Medcentre, Heath Park, Cardiff, CF14 4UJ
+44 7908 010 253
Craig Henshaw: hello@medaphor.com
www.medaphor.com

MedaPhor, the intelligent ultrasound software and simulation company, develops advanced hi-fidelity haptic and manikin-based ultrasound training simulators for medical practitioners.

ScanTrainer, the hi-fidelity ultrasound simulator teaches hard-to-learn basic and advanced ultrasound scanning skills, allowing trainees to learn in their own time and at their own pace in a low pressure, non-clinical environment.

Medialogic Solutions Pvt. Ltd.**Booth: 23**

197, Dr. Natesan Road, Mylapore, Chennai, 600004, India
+919094833449

Rajagopalan Ramanujam: rajagopalan@medialogicindia.com
www.medialogicindia.com

Medialogic Solutions (P) Ltd. is a leading provider of IT products and solutions for the healthcare industry. We enable clinicians to make better faster decisions in today's rapidly changing environment. Our products support clinical, administrative, and educational and research requirements of healthcare organisations. Our workflow and reporting automation software 'SONOCARE' is a world class product in the field of ultrasonography.

Mindray Medical**Booth: 31**

Mindray Building, Keji 12th Road South, High-tech Industrial Park, Nanshan, Shenzhen 518057, P.R. China
+86 755 8188 7663

Ellen Mok: ellen.hmomo@mindray.com
www.mindray.com/en

Mindray is one of the leading global providers of medical devices and solutions. Firmly committed to our mission of "sharing medical technologies with the world", we are dedicated to innovation in Medical Imaging.

Mindray possesses a sound global R&D, marketing and service network with subsidiaries and branch offices in 32 countries in North and Latin America, Europe, Africa and Asia-Pacific, as well as 31 branch offices in China. Inspired by the needs of our customers, we adopt advanced technologies and transform them into accessible innovation, bringing healthcare within reach.

Natera Inc**Booth: 7**

201 Industrial Road, Suite 410, San Carlos, California, 94070, USA

Safia Rahman: srahman@natera.com
www.natera.com

Natera is a global leader in cell-free DNA testing. The mission is to transform the management of genetic diseases. Natera operates an ISO 13485-certified and CAP-accredited CLIA laboratory in the United States. It offers a host of proprietary genetic testing services to inform physicians who care for pregnant women, researchers in cancer including biopharmaceutical companies, and genetic laboratories through its cloud-based software platform. Products include Vistara, Spectrum™, Anora™, Horizon™, Panorama™, Evercord™ and Signatera™ (RUO).

PerkinElmer**Booth: 9**

Level 2, Bldg 5, Brandon Office Park,
530-540 Springvale Rd Glen Waverley Vic 3150 Australia
Phone: +61 (0)3 9212 8516 | Mobile: +61 419 760 068
Elisabetta De Luca: Elisabetta.DeLuca@PERKINELMER.COM
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PerkinElmer - global leader committed to innovating for a healthier world. We offer complete screening solutions in fetal /maternal healthcare, supplying instrumentation, reagents and risk calculation software for early detection of pregnancy related anomalies. This includes, pre-eclampsia risk assessment in all trimesters of pregnancy and markers for Downs syndrome screening. The new Vanadis NIPT system – non-sequencing, non-PCR based solution for cfDNA analysis provides simplified, cost-effective, high-throughput testing facilitating wider access to NIPT for pregnant women.

Philips**Booth: 13****PHILIPS**

Royal Philips, Amstelplein 2, Breitner Center, P.O. Box 77900, 1070 MX Amsterdam, The Netherlands
+31 20 59 77777

Flavia Parisi: flavia.paris@philips.com
www.philips.com

At Philips, we look beyond technology to the experiences of patients, providers and caregivers across the health continuum, from healthy living to prevention, diagnosis, treatment and home care. We unlock insights leading to meaningful innovations from hospital to home. Our integrated solutions – comprising systems, smart devices, software and services – combine broad and deep clinical expertise, technology and services, actionable data, consultative new business models and partnerships. Together, with our customers, we can transform how care is delivered and experienced.

PSUOG**Partners Village**

POGS Bldg 56 Malakas Street, Diliman Quezon City, Philippines
+63 9285304

Maria Teresa Centeno / Rodinette Santos
psuog.sec@gmail.com
www.psuog.org

PSUOG started in 1993 and with 706 members. It is composed of competent, conscientious and God-fearing Ob-Gyn sonologists, dedicated to promoting excellent reproductive health care through: quality-assured and ethical services, continuing medical education, training, accreditation and research and collaboration with other women's health care providers.

PHILIPS

Ultrasound



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Pregnancy is a special but often anxious time, your patient's peace of mind is our top priority. Our solutions are designed to make it easier for you to make confident diagnosis earlier in a woman's pregnancy. Having Philips by your side can help you provide your patients with the care they need and comfort they deserve.

innovation  you

Roche Sequencing Solutions**Booth: 10**

4300 Hacienda Drive, Pleasanton, 94588, USA
 +1 855 927 4672
 Marissa Pelagio: marissa.pelagio@roche.com
www.harmonytest.com

The Harmony® prenatal test is a non-invasive screening test for pregnant women that can be used as early as 10 weeks of pregnancy. By evaluating fetal cell-free DNA found in maternal blood, including accurate measurement of the fetal fraction of cfDNA, the test assesses the probability of Trisomy 21 (Down syndrome) and other common fetal chromosomal conditions. The Harmony® prenatal test has been used to guide clinical care in over 1,400,000 pregnancies worldwide. For more information, visit www.harmonytest.com.

Samsung**Booth: 16****SAMSUNG**

145 Alpharium 2Dong, Pangyojeok-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
 +82-2-2194-1126
 Ji Yun Kim: jiyun05.kim@samsungmedison.com
www.samsunghealthcare.com

Samsung: Combining leading technologies to improve the quality of people's lives. Samsung is committed to create a new future for medical professionals and patients with a mission to bring health and well-being to people's lives. Integrating its leading expertise in display, IT, mobile and electronics, our vision is to bring confident diagnosis, cost-effective solutions and improved workflow to customers.

SFM**Partners Village**

C584, Defence Colony, New Delhi 110024. India
 +91 93122 27181
 Vishal Mittal: vfmsecretariat2017@gmail.com
www.societyoffetalmedicine.org

The Society of Fetal Medicine is a global forum of Indian origin that envisions offering every fetus an optimal outcome. The Society has a mission of opening minds to fetal needs and is a continuously evolving multidisciplinary organization. The Society's primary objectives are to promote and expand education and research in fetal medicine, enunciate practice guidelines, and, facilitate rapid translation of research findings into clinical application.

SonoSim, Inc**Booth: 25**

1738 Berkeley Street, Santa Monica, CA 90404
 +1(323) 473-3800
 info@sonosim.com
www.sonosim.com

SonoSim, Inc. is dedicated to improving and transforming medical care by serving as a global leader in ultrasound education and training. With its staff of leading ultrasound educators, instructional designers, content editors, scientists, and software developers, SonoSim has created the easiest way to learn ultrasonography, The SonoSim® Ultrasound Training Solution.

Trice Imaging**Booth no: 15**

The Trice logo features the word "Trice" in a stylized, green, cursive font.

1343 Stratford Court, Del Mar, CA 92014, USA
 +1858 3975216 or +49 175 2234 710
 Bernd Nuber: info@triceimaging.com
www.triceimaging.com

Connected Ultrasound – Simple and Secure

With Tricefy™ you can share and archive your ultrasound examinations in a heartbeat directly from any ultrasound device. Images can be shared anonymously with patients and with colleagues to any mobile device. Visit us at booth 15 to explore highly efficient workflows, our new adaptive reporting and how to connect your ultrasound system securely to Tricefy – The Ultrasound Cloud.

Tristel**Booth: 11**

Lynx Business Park, Fordham Road, Snailwell, Cambridgeshire, UK
 + 44 1638 72 1500
 Carla Kerr: mail@tristel.com
www.tristel.com

Tristel is a manufacturer of Infection Prevention and contaminating control products. Its lead technology is a chlorine dioxide formulation, which has been a ground breaking innovation in the world of infection control. Visit our stand to find out about Tristel products particularly suitable for Ultrasound.

VINNO Technology (Suzhou) Co., Ltd.

Booth 12

5F Building A, 4F Building C, No.27 Xinfu Road, Suzhou Industrial Park, 215123, P.R.China
+8615951518725

Cai Kai (Steven): steven.cai@vinno.com

www.vinno.com

VINNO was founded in the year 2010 with headquarters in Suzhou Industrial Park by a team who has rich ultrasound development experience in global famous companies. VINNO focuses on the development and manufacture of high-end color doppler ultrasound diagnostic systems and offers accessible medical solutions by continuous innovation. Rooted in China, spread to the world. VINNO is open to cooperate with global partners to bring the innovative technology to life.

VSUM

Partners Village

69 Nguyen Hue Street, Hue City, Vietnam

+84 0234 3824285

Phuong Nguyen: vietnamultrasound@gmail.com

sieuamvietnam.vn

Ultrasound first appeared in Vietnam for 30 years and is now the most common diagnostic imaging modality.

With the aim of improving skills and knowledge for doctors in ultrasound, VSUM was established in 2016 and is conducting annual congresses, conferences as well as providing online learning materials for Vietnamese doctors. VSUM greatly hopes to join international societies to update and enhance our knowledge in ultrasound.

WATOG

Partners Village

35 Rue Berger, Paris, 75001, France

+33 661143924

Olivier Ami: executive@watog.org

www.watog.org

Founded in 2012, the World Association of Trainees in Obstetrics & Gynecology (WATOG) is the first non-profit organization representing young Obstetricians and Gynecologists across the world. In 2018 its network is present in 85 countries.

The association aims to contribute to the improvement OB/GYN training worldwide. In cooperation with national and large-scale senior societies, WATOG wishes to facilitate local and international networking and experience-sharing by organizing events and disseminating free online educational contents dedicated for young OB/GYN doctors.

HITACHI

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SAVE THE DATE!

Hitachi Educational Workshop:

New Insights into Fetal Heart Ultrasound Assessment

22nd October 2018 | 12.45pm to 2.15pm

Hospitality Suite Room 5201

Sands Expo and Convention Centre

at Marina Bay Sands

Invited Speakers:

Dr. Julene S Carvalho

MD, PhD, FRCPCH, Royal Brompton Centre for Fetal Cardiology and St. George's University of London

Dr. Chen Ching Kit

MBBS, MMed (Paed), MRCPCH (UK), Division of Paediatric Cardiology National University of Singapore



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ROOM 5102



Sunday

13:00-13:30 ISUOG guidelines-plus for fetal heart examination *J. Carvalho (UK)*

15:15-15:45 Updates on posterior fossa anomalies *L. Guibaud (France)*

Monday

10:15-10:45 Latest advances in placental imaging *T. Hata (Japan)*

Tuesday

How to diagnose a fetal heart defect *M. Haak (Netherlands)*

Wednesday

A practical assessment of endometriosis and pelvic pain *B. Smith (UK)*

13:15-13:45 CNS beyond 2nd trimester ISUOG guidelines
L. Guibaud (France)

Advanced analysis of the fetal heart with speckle tracking
C. Enzensberger (Germany)

15:35-16:00 High resolution 1st trimester ultrasound beyond ISUOG guidelines *J. Cruz (Portugal)*

Novel ultrasound tools for pregnancy evaluation
E. Sinkovskaya (USA)

GE HEALTHCARE VOLUSON CLUB



Sunday - Wednesday

ROOM 5301

Sunday - Tuesday

Obstetrics Meet the Expert session

ROOM 5302

Sunday - Tuesday

Gynecology Meet the Expert session

ROOM 5201 + 5301

Sunday + Tuesday

Secrets of the Masters

ROOM 5101



Sunday

10:25-11:00 Lumify in Outreach program *S. Campbell Westerway (Australia)*

12:15-13:45 Early ultrasound findings preventing pregnancy dilemmas *R. Palma-Dias (Australia)*

Monday

12:45-14:15 Gynecological oncology *N. Pangilinan (Vietnam)*

Tuesday

10:15-10:45 The changes in ultrasound you always longed for *M. Ruma (USA)*

12:45-14:15 The importance of high frequency imaging in OB-clinical cases *T. Frusca (Italy)*

ROOM 5202

SAMSUNG

Sunday

- 13:00-13:20** New experience in ultrasound
- 13:20-13:40** E-Cervix™ *X. H. Ning (China)*
- 15:15-15:45** E-Cervix™ cervical elastography in preterm labor *P. Bennett (UK)*

Monday

- 10:15-10:45** The ultrasound features required and practical application of the IOTA ADNEX Model *T. Bourne (UK)*

Tuesday

To learn more about ovarian tumor assessment using IOTA ADNEX model *A. Testa (Italy)*

Wednesday

New experience in ultrasound

- 15:35-16:00** New experience in ultrasound

ROOM 5201

HITACHI
Inspire the Next**Monday**

- 12:45-14:15** *J. Carvalho (UK)*
C.K. Chen (Singapore)

HUB 1

Trice

Tuesday

- 11:00-12:00** Tricefy - The Ultrasound Cloud
Learn to securely store, document and share your ultrasound examinations.

TRICE LOUNGE

Monday

- 10:15-10:45** Security and data privacy requirements according to GDPR and HIPAA

Tuesday

Security and data privacy requirements according to GDPR and HIPAA

Wednesday

Simple and adaptive reporting

- 13:00-13:30** How to connect your ultrasound device to Tricefy

How to connect your ultrasound device to Tricefy

Data collection for multi-centre studies

- 15:35-16:00** Instantly share examination results with colleagues and patients

Instantly share examination results with colleagues and patients

Satellite symposia

Sunday

12:30-13:30

HALL 3

Cell-free DNA in prenatal testing – Deep dive technology and twins

Host: M. Schmid (USA)

F. Grati (Italy)

L. Poon (Hong Kong)

Cell-free DNA testing for fetal aneuploidy – accuracy and reliability

Cell-free DNA testing in twin pregnancies



Monday

13:00-14:00

HALL 2

Please see GE at booth 17 for more details

B. Benoit (Monaco)

G. DeVore (USA)

D. Paladini (Italy)



Monday

17:45-18:45

HALL 3

Philips Ultrasound: stepping up the game in early diagnosis

A. Ngu (Australia)

T. Frusca (Italy)

M. Ruma (USA)

Early diagnosis using high frequency imaging

The role of ultrasound in pregnant obese patients

Taking 3D/4D to the next level in Perinatal Care



Tuesday

13:00-14:00

HALL 3

Canon

A. Testa (Italy)

J. Cruz (Portugal)

J. Carvalho (UK)

Gynecological oncology – need for advanced tools

The role of first trimester ultrasound in cell-free DNA era

What to expect from early fetal echocardiography



Wednesday

13:00-14:00

HALL 2

Sono-embryology (CrystalVue™)

T. Bourne (UK)

C. Lees (UK)

H. Shah (UK)

T. Bourne (UK)

Introduction to CrystalVue™

The application of CrystalVue™ imaging to fetal medicine: a review

First trimester 3D imaging and embryology

Q&A



Industry acknowledgements

ISUOG gratefully acknowledges the following industry support for the Pre-Congress course:



Saturday	09:00-16:20	Ultrasound for the diagnosis and pre-surgical staging of deep infiltrating endometriosis (DIE)	Melati 4103-4104
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ISUOG gratefully acknowledges the following industry support for our simulation workshops:



Sunday	08:30-13:00	Basic Training simulation workshops	Room 4101
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ISUOG gratefully acknowledges the following industry support for our live scan sessions.*

Canon

CANON MEDICAL

Monday	08:15	First trimester ultrasound: beyond the basics	Hall 1
	16:00	ISUOG guidelines in practice	Hall 1
Tuesday	14:15	Challenge Chaoui: The full anomaly scan in 15 minutes	Hall 1

SAMSUNG

Monday	10:45	I don't need MRI: tips and tricks for the greatest ultrasound pics	Hall 1
Tuesday	17:10	Obstetrical applications for 3D volume imaging	Hall 1

* Scientific content of the sessions is defined by the Scientific Committee; sponsors provide ultrasound systems and technical support

ISUOG Board and Committee meetings

Date	Start	End	Meeting	Room
Friday	07:30	08:30	Executive Committee (breakfast meeting)	Saraca 3900C
	09:00	17:00	ISUOG Board (meeting 1)	Saraca 3900A+3900B
Saturday	09:00	10:00	VISUOG Task force	Saraca 3900C
	11:00	12:00	WFUMB meeting	5101
	12:15	13:15	Scientific Committee (meeting 1)	Saraca 3900A+3900B
	13:45	14:45	Validation Task force	Saraca 3900C
	14:15	15:15	Clinical Standards Committee	Saraca 3900A+3900B
	15:00	16:30	Nominations Committee	Saraca 3900C
Sunday	07:30	08:30	Chairpersons' briefing	Hall 3
	08:30	09:30	Patient Information Task force	Saraca 3900C
	09:45	10:25	AGM (<i>ISUOG achievements 2017</i>)	Hall 1
	10:30	11:30	Online Education Content Task force	Saraca 3900C
	10:30	12:30	Journal Editors	Saraca 3900A+3900B
	12:15	13:45	Advisory Members lunch	Hall 5
	13:30	15:00	Basic Training Task force	Saraca 3900A+3900B
Monday	08:30	09:30	CME Task force	Saraca 3900C
	09:30	10:30	Courses Task force	Saraca 3900A+3900B
	10:20	11:20	Chinese Task force working group	Saraca 3900C
	11:00	12:00	Gold Medal Awards Committee	Saraca 3900A+3900B
	12:15	13:35	Outreach Committee	Saraca 3900A+3900B
	12:45	14:15	Editorial Board	Hall 5
	14:15	15:15	Safety Committee	Saraca 3900C
	15:00	16:00	Honours Committee	Saraca 3900A+3900B
	16:00	17:30	Education Committee	Saraca 3900C
	17:30	19:30	Open Access Strategy Committee	Saraca 3900A+3900B
Tuesday	08:45	10:15	Bids Committee	Saraca 3900A+3900B
	13:00	14:15	Young Investigators lunch	Hall 5
	14:40	15:10	Berlin Local Organising Committee	Saraca 3900C
	15:15	16:45	Scientific Committee (meeting 2)	Saraca 3900C
Wednesday	08:15	10:15	ISUOG Board (meeting 2)	Saraca 3900A+3900B
	11:45	12:45	Exhibitors' closing meeting	Saraca 3900C
	12:45	14:15	Ambassadors lunch	Hall 5



29th World Congress on Ultrasound in Obstetrics and Gynecology

12-16 October 2019, Berlin, Germany

Join us in Berlin at the leading event in
obstetric and gynecological ultrasound.

Critical dates 2019

January	Registration opens*
8 April	Abstract submission and presenter registration deadline
12 August	Early bird registration deadline
12 October	Pre-Congress courses and Basic Training
13 October	Congress opens

Travel Grants available for abstract submitters

For full details visit isuog.org/worldcongress/2019
congress@isuog.org | +44 (0)20 7471 9955

* Discounts apply to ISUOG members, trainees and sonographers

Organised by the International Society of Ultrasound in Obstetrics and Gynecology.

ISUOG would like to thank the following industry partners for their support of the 28th World Congress:

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