Scientific program

Tuesday 15 October 2019

07:30-08:10 Masterclasses
Acquired prenatal insults of the brain
G. Malinger (Israel); D. Prayer (Austria)
Convention Hall I (C)

Management and delivery in fetal growth restriction
A.A. Baschat (United States)
Convention Hall II

Managing early pregnancy complications
T. Bourne (United Kingdom)
Convention Hall I (D)

Abnormal heart rhythm: how to diagnose and how to manage
J. Carvalho (United Kingdom)
Estrel Hall (A+B)

08:00-12:00 “Hands-on” workshop
Fetal heart simulation
Chair: G.E. Chalouhi (France)
Europa

Learning objectives: How to do a basic exam of the fetal heart, following ISUOG guidelines for fetal echocardiography

08:00 Welcome

08:05 ISUOG guidelines for fetal echocardiography (focusing on the basic scan) and presentation of simulation/simulators

Fetal heart module simulation workshop
Groups of two delegates per simulator

10:15-10:45 Coffee and e-poster viewing

10:45 Fetal heart module simulation workshop
Groups of two delegates per simulator

08:15 INVITED From ultrasound to counselling
L. Guibaud (France)

08:15-09:35 Corpus callosum et al
Chairs: R.K. Pooh (Japan); F. Bahlmann (Germany)
Convention Hall I (C)

08:15 OC14.01 Prenatal neurodevelopmental outcome prediction using a novel MR-based scoring system in isolated callosal agenesis
S. Glatter (Austria)

This is the preliminary program and is subject to change
08:40 Discussion

08:43 **OC14.02** Assessment of the corpus callosum in fetuses with isolated non-severe ventriculomegaly
_E. Monterde (Spain)_

08:48 Discussion

08:51 **OC14.03** Added value of fetal MR tractography in evaluation of the short corpus callosum: preliminary results
_A.E. Millischer (France)_

08:56 Discussion

08:59 **OC14.04** Corpus callosum length in fetuses with confirmed Down's syndrome
_E. Sinkovskaya (United States)_

09:04 Discussion

09:07 **OC14.05** Prenatal diagnosis of Aicardi syndrome
_L. Pomar (Switzerland)_

09:12 Discussion

09:15 **OC14.06** Differential effect in corpus callosum development in fetuses with congenital heart defect
_M. Perez-Cruz (Spain)_

09:20 Discussion

09:23 **OC14.07** The effect of flow and oxygenation on cortical development in fetuses with congenital heart defects using an automated brain-maturation prediction algorithm
_S.M. Everwijn (Netherlands)_

09:28 Discussion

**08:15-09:35** **Fetal growth: the bigger picture**
*Convention Hall II*

08:15 **LIVE SCAN** How to evaluate the growth-restricted fetus [industry supported]
_K. Hecher (Germany)_

08:31 **OC15.01** Obstetric consequences of a false-positive diagnosis of large-for-gestational-age fetus
_M. Papaccio (Italy)_
08:36 Discussion

08:39 **OC15.02** Born small for gestational age and moderate preterm: implications on postnatal growth  
*L. Lindström (Sweden)*

08:44 Discussion

08:47 **OC15.03** Identification of intrapartum fetal compromise using universal third trimester ultrasonography  
*P. Iannone (United Kingdom)*

08:52 Discussion

08:55 **OC15.04** Perinatal outcome of appropriate-weight fetuses with decelerating growth  
*C. Chatzakis (Greece)*

09:00 Discussion

09:03 **OC15.05** Neighbourhood deprivation and fetal growth: the Generation R study  
*D. Gootjes (Netherlands)*

09:08 Discussion

09:11 **OC15.06** Human fetal growth restriction is influenced mainly by maternal socioeconomic status: an ecological study within a city from a developing country  
*N. Maestre (Colombia)*

09:16 Discussion

09:19 **OC15.07** Identification of phenotypes of fetal growth restriction using a network-based clustering approach  
*J. Miranda (Spain)*

09:24 Discussion

09:27 **OC15.08** The association between fetal growth velocities and postnatal growth during the first five years after birth  
*M. Hendrix (Netherlands)*

09:32 Discussion

This is the preliminary program and is subject to change
Managing complications in early pregnancy
Chairs: D. Timmerman (Belgium); E. Kirk (United Kingdom)

08:15 INVITED Assessing anatomy in the first trimester of pregnancy: moving beyond dating and viability
H. Shah (United Kingdom)

08:30 OC16.01 The role of human chorionic gonadotrophin and transvaginal ultrasound in pregnancies of unknown location beyond 48 hours
C. Kyriacou (United Kingdom)

08:35 Discussion

08:38 OC16.02 Application value of the contrast-enhanced ultrasound in the diagnosis of Caesarean scar pregnancy type
Y. Wu (China)

08:43 Discussion

08:46 OC16.03 Implementation of a tool for predicting early pregnancy outcome: a psychological impact study
K. Lawson (United Kingdom)

08:51 Discussion

08:54 OC16.04 External validation of the M6 model and the two-step triage system for pregnancies of unknown location
E. Christodoulou (Belgium)

08:59 Discussion

09:02 OC16.05 The diagnostic value of contrast-enhanced ultrasound in Caesarean scar pregnancy
D. Liu (China)

09:07 Discussion

09:10 OC16.06 Can cervical elastography guide management of missed miscarriage?
H. Fourie (United Kingdom)

09:15 Discussion

09:18 OC16.07 Early pregnancy biomarkers for the prediction of first trimester viability
M. Al-Memar (United Kingdom)

09:23 Discussion

This is the preliminary program and is subject to change
09:26 OC16.08 Uterine artery embolisation in extreme cases of “enhanced myometrial vascularity” (acquired AVM) after previously treated early pregnancies
I.E. Timor-Tritsch (United States)

09:31 Discussion

08:15-09:35 Cardiac function and complications in congenital heart defects
Chairs: E.A. Hernandez-Andrade (United States); R. Axt-Fliedner (Germany)

08:15 INVITED Modern cardiac function assessment
G.R. DeVore (United States)

08:30 OC17.01 Development and application of deep learning for identification, quantification, and disease diagnosis in second trimester fetal hearts
A.J. Moon-Grady (United States)

08:35 Discussion

08:38 OC17.02 Assessment of fetal right ventricular systolic function: nomograms of fractional area change by 2D-echocardiography
O. Gómez (Spain)

08:43 Discussion

08:46 OC17.03 The diastolic and systolic velocity time integral ratio of aortic isthmus is a sensitive indicator of aortic coarctation in fetuses
H. Wang (China)

08:51 Discussion

08:54 OC17.04 Assessment of fetal hemodynamics and flow volume of the umbilical vein in the EXTruterine environment for neonatal development system
K. Ozawa (Japan)

08:59 Discussion

09:02 OC17.05 Fetal cardiac function before and after intrauterine transfusion assessed by automated analysis of colour tissue Doppler
L. Herling (Sweden)

09:07 Discussion

09:10 OC17.06 Hemodynamic patterns in late-gestation human fetuses with cyanotic congenital heart disease
L. Sun (China)
09:15 Discussion

09:18 OC17.07 Relationship between foramen ovale restriction and flow characteristics of the ductus arteriosus in the fetus with transposition of the great arteries
J. Rychik (United States)

09:23 Discussion

09:26 OC17.08 Risk of pre-eclampsia, small for gestational age and placental abnormalities in pregnancies with prenatal diagnosis of major congenital heart disease
V. Giorgione (United Kingdom)

09:31 Discussion

09:40-10:20 Short oral presentations (OP)

OP09 Neuroimaging
Chairs: F. Kainer (Germany); G. Kasprian (Austria)

OP10 IUGR: basic science
Chairs: A. Odibo (United States); D. Schlembach (Germany)

09:40-10:20 Workshop
Current thinking on Caesarean section scars and enhanced myometrial vascularity (EMV)
Chairs: D. Jurkovic (United Kingdom); K. Kalache (Qatar)

09:40 A consensus view on how to define and evaluate a uterine niche
J. Huirne (Netherlands)

09:50 Enhanced myometrial vascularity: is this something to be concerned about?
D. Timmerman (Belgium)

10:00 Should we be screening for Caesarean scar pregnancies?
I.E. Timor-Tritsch (United States)

10:10 Discussion

09:40-10:20 OP11 Evaluation of the intrinsic function of the fetal heart
Chairs: J. Rychik (United States); F. Crispi (Spain)

10:15-10:45 Coffee and e-poster viewing

10:45-12:05 Fetal surgery
Chairs: L. Lewi (Belgium); J. Stiememann (France)

10:45 INVITED Fetal cardiac intervention 2019
W. Arzt (Austria)

This is the preliminary program and is subject to change
11:05 **OC18.01, OC18.02 & OC18.03** Myelomeningocele repair: from prenatal evaluation to postnatal outcome  
*R. Corroenne (United States)*

11:15 Discussion

11:18 **OC18.04** Low transverse versus midline skin incision for *in utero* spina bifida repair  
*M. Fishel-Bartal (United States)*

11:23 Discussion

11:26 **OC18.05** Fetal tracheoscopy and endoscopic tracheal intubation to ensure tracheal permeability in cases with cervical masses and fetal Airways compromise  
*R. Cruz-Martinez (Mexico)*

11:31 Discussion

11:34 **OC18.06** Fetal endoscopic tracheal occlusion is associated with resolution of pulmonary hypertension in moderate congenital diaphragmatic hernia  
*J. Espinoza (United States)*

11:39 Discussion

11:42 **OC18.07** International Fetal Cardiac Intervention Registry: a decade of data sharing and collaborative investigation  
*A. J. Moon-Grady (United States)*

11:47 Discussion

11:50 **INVITED** MMC repair: future directions  
*J. Deprest (Belgium)*

10:45-12:05 **Growth: insights into assessment**  
*Convention Hall II*

10:45 **INVITED** Biochemical manifestations of poor placentation  
*S. Verlohren (Germany)*

11:00 **OC19.01** The impact of periconceptional parental alcohol exposure on embryonic growth trajectories using 3D ultrasound and virtual reality  
*M. Rousian (Netherlands)*

11:05 Discussion
11:08 **OC19.02** A novel eye tracking study: how common is expected value bias in fetal growth scan assessment?  
*L. Drukker (United Kingdom)*

11:13 Discussion

11:16 **OC19.03** Antenatal corticosteroid therapy is associated with reduced intrauterine fetal growth velocity  
*G. Rizzo (Italy)*

11:21 Discussion

11:24 **OC19.04** Early growth velocity and mode of conception in the prediction of small for gestational age  
*G. Albaiges (Spain)*

11:29 Discussion

11:32 **OC19.05** Fetoplacental Doppler identifies small fetuses with increased concentrations of cord blood erythropoietin  
*J. Miranda (Spain)*

11:37 Discussion

11:40 **OC19.06** Metabolomic profiling of paired maternal and cord blood in pre-eclampsia and fetal growth restriction  
*L. Youssef (Spain)*

11:45 Discussion

11:48 **OC19.07** Maternal vascular malformation in the placenta is an indicator for fetal growth restriction irrespective of neonatal birthweight  
*M. Hendrix (Netherlands)*

11:53 Discussion

11:56 **OC19.08** Cerebroplacental ratio and AC growth velocity as novel predictors of severe neonatal hypoglycemia  
*A. Cavallaro (United Kingdom)*

12:01 Discussion

10:45-12:05 Using ultrasound to evaluate women with pelvic pain and possible endometriosis  
*Convention Hall I (D)*

10:45 **INVITED** Clinical application of ultrasound in the planning of rectal and bladder endometriosis surgery  
*G. Hudelist (Austria)*

*This is the preliminary program and is subject to change*
11:00 **OC20.01** Preoperative mapping of deep infiltrating endometriosis in the posterior compartment using transvaginal strain elastography and IDEA classification

*G. Szabó (Hungary)*

11:05 Discussion

11:08 **OC20.02** The prevalence of pouch of Douglas obliteration depicted on basic transvaginal ultrasound by a negative sliding sign in a general population

*M. Leonardi (Australia)*

11:13 Discussion

11:16 **OC20.03** Prevalence of endometriosis at transvaginal ultrasound in women with dysmenorrhea

*L. Jokubkiene (Sweden)*

11:21 Discussion

11:24 **OC20.04** Accuracy of 2D-ultrasonography in the diagnosis of abdominopelvic tuberculosis at the Philippine General Hospital: a five-year review

*M. Desano (Philippines)*

11:29 Discussion

11:32 **OC20.05** External validation of International Ovarian Tumour Analysis (IOTA) for classification of adnexal masses suspected to be endometriomas

*V.H. Eisenberg (Israel)*

11:37 Discussion

11:40 **OC20.06** Comparison of diagnostic accuracy of transvaginal ultrasound for deep endometriosis and pouch of Douglas obliteration in the presence and absence of ovarian endometriomas

*M. Leonardi (Australia)*

11:45 Discussion

11:48 **OC20.07** Early learning curve in the assessment of deep infiltrating pelvic endometriosis when using ultrasound and magnetic resonance imaging

*T. Indrielle-Kelly (United Kingdom)*

11:53 Discussion
OC20.08 Is endometriosis a progressive disease? 
Ultrasonographic long-term study 
S. Ferrero (Italy)

Discussion

OC20.09 Learning curve for the visualisation of ureters on transvaginal ultrasound in gynecological sonology trainees 
M. Leonardi (Australia)

Discussion

10:45-12:05 Molecular techniques and MRI in the diagnosis of congenital heart defects 
Estrel Hall (A+B)

OC21.01 Assessment of the correlation between congenital heart defects and brain injury in fetuses through magnetic resonance imaging 
A. Weissmann-Brenner (Israel)

Discussion

OC21.02 The incidence of genetic variants in fetuses with severe congenital heart defects 
A. van Nisselrooij (Netherlands)

Discussion

OC21.03 Dynamic fetal cardiac magnetic resonance imaging using Doppler ultrasound gating in the assessment of the fetal aortic arch: a feasibility study in comparison to fetal echocardiography 
M. Tavares de Sousa (Germany)

Discussion

OC21.04 Next generation sequencing in 83 Chinese fetal congenital cardiac left-sided congenital heart defects reveals the entire genetic architecture in fetal population 
H. Sun (China)

Discussion

OC21.05 A comparative study of prenatal ultrasound diagnosis and autopsy MRI and pathology on fetal congenital heart disease 
W. Xia (China)

Discussion

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11:25  **OC21.06** Whole-exome sequencing and whole-genome sequencing improves genetic diagnosis of fetuses with heterotaxy syndrome revealed by prenatal ultrasound
  
  Y. Tong (China)

11:30  Discussion

11:33  **OC21.07** The diagnostic value of postmortem magnetic resonance imaging of the fetal heart compared to conventional autopsy and ultrasound
  
  B. Ulm (Austria)

11:38  Discussion

11:41  **OC21.08** Pilot study: utilising MRI to measure cardiac function in the sheep fetus
  
  K. Cho (Canada)

11:46  Discussion

11:49  **INVITED** Innovations in fetal cardiovascular imaging
  
  S. Yagel (Israel)

12:10-12:50  **Short oral presentations (OP)**

  **OP12** Multiple pregnancy
  
  Chairs: R. Abu-Rustum (United States); A. Geipel (Germany)

  **Convention Hall I (C)**

  **OP13** Fetal anomalies: infections
  
  Chairs: A. Sotiriadis (Greece); M. Meyer-Wittkopf (Germany)

  **Convention Hall II**

  **OP14** Using ultrasound to evaluate women with pelvic pain and possible endometriosis
  
  Chairs: S. Guerriero; S. Ferrero (Italy)

  **Convention Hall I (D)**

  **OP15** Screening for and diagnosis of congenital heart defects
  
  Chairs: H. Gardiner (United States); M. Cruz-Lemini (Spain)

  **Estrel Hall (A+B)**

12:45-14:15  Lunch and e-poster viewing

13:00-14:00  **Industry sponsored satellite symposia**

14:15-15:35  **Monochorionic twins**

  Chairs: K. Hecher (Germany); P. Klaritsch (Austria)

  **Convention Hall I (C)**

14:15  **INVITED** Fetal cardiac assessment in monochorionic twins
  
  H. Gardiner (United States)

14:35  **OC22.01** Reducing stillbirth in twin pregnancy through implementation of guidelines: is it possible?
  
  A. Khalil (United Kingdom)

*This is the preliminary program and is subject to change*
14:40 Discussion

14:43 **OC22.02** Contribution of the Solomon technique in the treatment of Twin–twin transfusion syndrome: a single centre experience
C. Colmant (France)

14:48 Discussion

14:51 **OC22.03** Apparent diffusion coefficient differences between normal and complicated monochorionic diamniotic pregnancy
M. Aertsen (Belgium)

14:56 Discussion

14:59 **OC22.04** Cardiac morphometry in uncomplicated monochorionic diamniotic twins: comparison to singletons
M. Bennasar (Spain)

15:04 Discussion

15:07 **OC22.05** Amniotic fluid NT-proBNP is only associated with congestive heart failure of recipient twin in Twin–twin transfusion syndrome but not larger twin in selective IUGR
M. Nakata (Japan)

15:12 Discussion

15:15 **OC22.06** Short-term cardiac follow-up of survivors of Twin–twin transfusion syndrome treated with fetoscopic laser coagulation
M. Gijtenbeek (Netherlands)

15:20 Discussion

15:23 **OC22.07** Monochorionic diamniotic twins with selective fetal growth restriction (sFGR) and intermittent absent end-diastolic flow have outcomes more similar to type 1 versus type 3 sFGR
J. Gebb (United States)

15:28 Discussion

14:15-15:35 **Fetal anomalies in the second trimester**
*Convention Hall II*

14:15 **LIVE SCAN** The full anomaly scan [industry supported]
A. Weichert (Germany)

14:35 **OC23.01** Risk of congenital anomalies in newborns conceived by ART versus spontaneous pregnancies
L. Perdom (Spain)
14:40 Discussion

14:43 **OC23.02** Fetal anogenital distance is longer in polycystic ovary syndrome mothers
*S. Perlman (Israel)*

14:48 Discussion

14:51 **OC23.03** Prenatal diagnosis of disorders of sex differentiation
*L.J. Salomon (France)*

14:56 Discussion

14:59 **OC23.04** Reference range of the fetal anal sphincter from 22–37 weeks of gestation
*K. Ichizuka (Japan)*

15:04 Discussion

15:07 **OC23.05** Effect of maternal BMI on ultrasound image quality at the routine anatomy scan
*M. Yaqub (United Kingdom)*

15:12 Discussion

15:15 **OC23.06** Significant variation in practice for first trimester anatomy assessment: results from a nationwide survey
*J. Karim (United Kingdom)*

15:20 Discussion

15:23 **OC23.07** A longitudinal study of three-dimensional fetal anatomy imaging in the first and early second trimester
*H. Shah (United Kingdom)*

15:28 Discussion

14:15-15:35 **Ultrasound, infertility and fertility preservation**
*Convention Hall I (D)*

14:15 **INVITED** Use of intraoperative ultrasound during fertility-sparing surgery
*S. Saso (United Kingdom)*

14:27 **OC24.01 & OC24.02** Fertility-sparing surgery
*S. Saso (United Kingdom)*

14:32 Discussion
14:35 **INVITED** How I use ultrasound to guide treatment for Caesarean scar ectopic pregnancies to reduce the risk of damage to the uterus
* D. Jurkovic (United Kingdom)

14:45 **OC24.03** Ovarian reserve parameters as indications for ovarian tissue cryopreservation in children suffering from non-iatrogenic premature ovarian failure
* M. Zajicek (Israel)

14:50 Discussion

14:53 **OC24.04** Study on correlation between tubal patency and uterine pressure under three-dimensional hysterosalpingo-contrast-sonography
* M. Tu (China)

14:58 Discussion

15:01 **OC24.05** Clinical and ultrasound characteristics of adnexal torsion
* F. Moro (Italy)

15:06 Discussion

15:09 **OC24.06** Value of transvaginal sonography in diagnosing cervical pregnancy after *in vitro* fertilisation-embryo transfer
* Y. Mao (China)

15:14 Discussion

15:17 **OC24.07** Prevalence of congenital uterine anomalies in asymptomatic premenopausal women at three-dimensional transvaginal ultrasound examination
* A. Arechvo (Sweden)

15:22 Discussion

14:15-15:35 **Hemodynamics from fetus to mother**
*Estrel Hall (A+B)*

14:15 **INVITED** Maternal hemodynamics: has the time come for routine implementation?
* C. Lees (United Kingdom)

14:30 **VIDEO** How to assess the maternal heart
* K. Melchiorre (United Kingdom)

14:40 **OC25.08** Fetoplacental Doppler for the identification of cardiac dysfunction in small-for-gestational-age fetuses
* A. Sepúlveda-Martínez (Chile)

14:45 Discussion

This is the preliminary program and is subject to change
14:48  **OC25.01** Hemodynamic factors associate with fetal cardiac remodelling in late fetal growth restriction  
*G. Rizzo (Italy)*

14:53  Discussion

14:56  **OC25.02** Estimated pulse wave velocity in growth-restricted fetuses: a novel perspective for fetal hemodynamic changes using phased tracking method  
*S. Miyashita (Japan)*

15:01  Discussion

15:04  **OC25.03 & OC25.04** Fetal Dopplers are associated with maternal cardiovascular function  
*J. Tay (United Kingdom)*

15:12  Discussion

15:15  **OC25.05** Maternal hemodynamic findings in small-for-gestational-age and growth-restricted fetuses  
*E. di Pasquo (Italy)*

15:20  Discussion

15:23  **OC25.06 & OC25.07** Maternal hemodynamics in small babies  
*A. Khalil (United Kingdom)*

15:31  Discussion

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

**16:00-17:30**  **Workshop**  
**Outcome of infratentorial anomalies**  
*Chairs: F. D’Antonio (Norway); K.K. Haratz (Israel)*

16:00  How sure am I that this vermis is normal?  
*D. Paladini (Italy); L. Guibaud (France)*

16:30  Normal and pathological development of the midbrain-hindbrain  
*K.K. Haratz (Israel); G. Kasprian (Austria)*

17:00  Follow-up of infants diagnoses with brain anomalies prenatally: a plea for a standard evaluation of outcomes  
*F. D’Antonio (Norway)*

17:15  Discussion

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16:00-17:30 Workshop
Ultrasound in the labour ward: why and how
Chairs: T. Ghi (Italy); T.M. Eggebø (Norway)

16:00 LIVE SCAN How to scan in active labour? [industry supported]
T.M. Eggebø (Norway)

16:15 Ultrasound in labour arrest: malpositions and malpresentations
T. Ghi (Italy)

16:30 Ultrasound in women with slow progress in the second stage:
Caesarean section, instrumental delivery or wait for spontaneous delivery?
B.H. Kahrs (Norway)

16:45 Ultrasound in postpartum hemorrhage: spotting the cause, solving the problem
W. Henrich (Germany)

17:00 Novel applications of ultrasound in labour
B. Tutschek (Switzerland)

17:15 Antepartum prediction of dystocia
G. Rizzo (Italy)

16:00-17:30 Workshop
Ultrasound, fertility preservation and fertility sparing surgery
Chairs: S. Saso (United Kingdom); A.C. Testa (Italy)

16:00 Oncofertility: past present and future
S. Saso (United Kingdom)

16:20 How to carry out ultrasound-guided laparoscopic surgery: case examples and videos
J. Yazbek (United Kingdom)

16:40 Avoiding damage to the uterus: ultrasound-guided procedures and the uterus
D. Jurkovic (United Kingdom)

17:00 Managing incidental findings found on ultrasound scans: when can we safely discharge from follow-up or at least avoid surgery
L. Valentin (Sweden)

17:20 Discussion

16:00-17:30 Workshop
Updates on infections during pregnancy
Chairs: F. Da Silva Costa (Australia); S. Eik-Nes (Norway)

16:00 Zika virus epidemic in Brazil: what happened?
C. Coutinho (Brazil)
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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
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<tr>
<td>16:20</td>
<td>CMV: what is new in antiviral therapy</td>
<td>Y. Ville (France)</td>
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<td>16:40</td>
<td>CMV: what is new in immunoglobulin therapy</td>
<td>K.O. Kagan (Germany)</td>
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<td>17:00</td>
<td>Update on toxoplasmosis</td>
<td>M. Meyer-Wittkopf (Germany)</td>
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Hubs

08:15-09:15  Interactive Hubs
ISUOG Basic Training series II
Chair: R. Abu-Rustum (United States)
A practical guide for 3D imaging in routine gynecological practice
Chair: S. Meagher (Australia)

09:40-10:20 Poster discussion (P)
P09: First, second and third trimester screening
Chairs: E.A. Hernandez-Andrade (United States); H. Shah (UK)

Interactive: Improving perinatal outcomes
Chair: A. Khurana (India)

Poster discussions(P)
P10: Using ultrasound to evaluate women with pelvic pain and possible endometriosis
Chairs: G. Condous (Australia); C. Exacoustos (Italy)
P11: Multiple pregnancy
Chairs: A. Gagnon (Canada); E. Kalafat (Turkey)

10:45-11:45 Interactive Hubs
In conversation with A. Khalil: medico-legal cases

In conversation with G. Malinger: why do I (NOT) need MRI?

In conversation with K.O. Kagan: fetal anomaly screening in the first trimester

Interactive
Meet the Ambassadors
Chairs: TBC; F. Ross (United Kingdom)

12:10-12:50 Poster discussions (P)
P12: Fetal interventions and therapy: complicated monochorionic pregnancy, spina bifida and other conditions
Chairs: A. Johnson (United States); C. Wohlmuth (Austria)
P13: Hypertension in pregnancy
Chairs: L. Poon (Hong Kong); M. Gil (Spain)
P14: Managing early pregnancy complications
Chairs: E. Kirk; S. Bobdiwala (United Kingdom)
P15: Fetal growth: Doppler and other functional assessment
Chairs: J. Hyett (Australia); K. Maršál (Sweden)

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13:10-14:10 Guideline Hubs
Russian
Chair: F. Ushakov (United Kingdom)

Spanish
Chairs: E Pianigiani; J. Alcazar (Spain)

Interactive Hubs
Pitfalls and pearls of sonohysterography
Chair: S.R. Goldstein (United States)

False-positive images at the mid-term scan
Chair: P. Boukobza (France)

Ultrasound images from around the world
Chair: A. Sigue (Philippines)

15:20-16:20 Interactive Hubs
Meet and greet: PSUOG meets ISUOG
Chair: A. Lopez (Philippines)

Education on ultrasound in obstetrics and gynecology
Chairs: A. Athanasiadis; G. Daskalakis; N. Papantoniou (Greece)

Debate: should methotrexate be given to treat ectopic pregnancy?
Chair: A. Cameron (United Kingdom)

Romanian Society
Chairs: R. Vladareanu; D. Muresan (Romania)

16:25-17:25 Interactive Hubs
Techniques for avoiding musculoskeletal and back injuries whilst scanning: ergonomics for sonologists and sonographers
Chairs: S.C. Westerway; D. Nicholls (Australia)

Translational research for clinicians' work in gynecological ultrasound
Chairs: S. Bobdiwala; C. Kyriacou (United Kingdom)

17:30-18:00 New for 2019!
Key messages from Tuesday: Convention Hall II
Chairs: E. Eixarch (Spain); C. Wohlmuth (Austria)

Key messages from Tuesday: Convention Hall I (D)
Chairs: J. Karim (United Kingdom); A. Dall'Asta (Italy)

Key messages from Tuesday: Estrel Hall (A+B)
Chairs: F. Bardi (Netherlands); D.L. Rolnik (Australia)

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