Tuesday 23 October 2018

07:30 - 08:10    MC: Twin pregnancy, double the trouble

07:30    Twins

MC: What is the value of a first trimester scan in 2018

07:30    What is the value of a first trimester scan in 2018

MC: Cases I have seen: classic examples and some you may not see so often

07:30    Case examples

MC: How I use ultrasound to make decisions on the labour ward

07:30    How I use ultrasound to make decisions on the labour ward

08:15 - 09:35    OC: Cardiac physiology

08:15    CHD: from fetus to newborn, from ultrasound to MRI

08:35    Annular plane systolic excursion z-scores in evaluation of ventricle systolic function of fetuses with Ebstein anomaly    OC13.01

08:40    Discussion

08:43    The relationship between indices of circulatory resistance and head circumference in the fetus with congenital heart disease    OC13.02

08:48    Discussion

08:51    Maternal hyperoxygenation during fetal doppler echocardiography provides physiological insight in congenital heart disease    OC13.03

08:56    Discussion

This is the preliminary program and is subject to change
08:59  Fetal cardiac remodeling in pregnancies complicated by pre-eclampsia with and without fetal growth restriction  
09:04  Discussion  
09:07  Aortic coarctation: a comprehensive biomechanical analysis of shape, size, and function of the fetal heart  
09:12  Discussion  
09:15  Myocardial function in fetuses with lower urinary tract obstruction: Is there a cardiac remodeling effect?  
09:20  Discussion  
09:23  The impact of additional anomalies on head growth in fetuses with congenital heart defects  
09:28  Discussion  

**OC: Impact of fetal interventions**  
08:15  The future of fetal surgery  
08:35  Do chorionic villus sampling (CVS) or amniocentesis (AC) induce rhesus immunization? An evaluation of a cohort with no prophylaxis after CVS or AC  
08:40  Discussion  
08:43  Percutaneous fetal aortic valvuloplasty for critical aortic stenosis: prenatal and postnatal outcomes in the last two years  
08:48  Discussion  
08:51  Brain microstructural assessment by diffusion weighted imaging (DWI) in fetuses and infants that underwent fetoscopic or open neural tube defect repair  
09:07  Discussion

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08:56 Brain abnormalities in fetuses and infants that underwent a prenatal neural tube defect (NTD) repair using a fetoscopic and open approach

09:01 Discussion

09:04 Comparison of fetal outcome in lower urinary tract obstruction treated with the Harrison® vs. Somatex® vesicoamniotic shunt < 17+0 weeks

09:09 Discussion

09:12 The risks of the Solomon technique of fetoscopic laser photocoagulation for twin-twin transfusion syndrome

09:17 Discussion

09:20 Ultrasound measured lung size in severe congenital diaphragmatic hernia (CDH) after fetoscopic tracheal occlusion (FETO)

09:25 3D ultrasound-based patient-matched models for surgical rehearsal of fetoscopic myelomeningocele repair

09:30 Discussion

**OC: Ultrasound and the investigation of pelvic pain and management of endometriosis**

08:15 How ultrasound governs my surgical practice for endometriosis

08:35 External validation of the ultrasound based endometriosis scoring system (UBESS)

08:40 Discussion

08:43 Deep endometriosis assessment on ultrasound and MRI as defined by international deep endometriosis analysis (IDEA) group (diagnostic accuracy study)
08:48 Discussion

08:51 Pelvic vein thrombosis and associated pelvic abnormalities  OC15.03

08:56 Discussion

08:59 Predicting the type of bowel resection in women with DIE involving the recto-sigmoid using enhanced transvaginal ultrasound  OC15.04

09:04 Discussion

09:07 Prevalence of deep infiltrating endometriosis in patients with endometriotic ovarian cyst  OC15.05

09:12 Discussion

09:15 Diagnosis of uterosacral ligament endometriosis by transvaginal ultrasonography  OC15.06

09:20 Discussion

09:23 Ultrasonographic “soft” markers for the detection of rectosigmoid endometriosis  OC15.07

09:28 Discussion

**OC: Can ultrasound improve obstetric outcomes?**

08:15 Can we predict fetal compromise before labour starts?

08:35 Sonoelastography of uterine cervix before vaginal dinoprostone (PGE2) insert for preliminary evaluation of labor induction  OC16.01

08:40 Discussion

08:43 Intrapartum fetal cerebroplacental Doppler ratio in first and second stage of labor in uterine rest and contractions in low-risk  OC16.02

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pregnancie

08:48 Discussion

08:51 Is extending the second stage of labor in nulliparous with sonographic occiput-posterior presentation beneficial and safe?  OC16.03

08:56 Discussion

08:59 [TRAVEL GRANT] Angle of progression at rest and on maternal pushing is associated with the mode of delivery independently from cervical dilatation  OC16.04

09:04 Discussion

09:07 Sonographic assessment of shoulder engagement and a novel sign in early recognition of shoulder dystocia  OC16.05

09:12 Discussion

09:15 Macrosomia: a self-fulfilling prophecy  OC16.06

09:20 Discussion

09:23 Variations between fetal and neonatal head circumference and fetal and neonatal weight are size-dependent  OC16.07

09:28 Discussion

HUB13: HUB: Special interest group 3D

HUB14: HUB: WATOG In conversation with trainees about issues on ultrasound training

09:40 - 10:20 OP: Fetal cardiac function

OP: Fetal interventions in twins and fetal

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defects

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

OP: Ultrasound in the management of labour I

P08: P: Fetal congenital anomalies

P09: P: Abnormally invasive placenta

P10: P: Diagnosing and managing myometrial pathology: a discussion between experts and audience based around the following topics

P11: P: New tools for the fetal brain

10:25 - 10:50 HUB15: HUB: In conversation with Ahmet Baschat

HUB16: HUB: In conversation with Daniela Fischerova

HUB17: HUB: In conversation with Karl Kagan

HUB18: HUB: In conversation with Torbjorn Eggebo

10:45 - 12:05 OC: Fetal growth and adverse outcome

10:45 Should we abandon estimated fetal weight?

11:05 Comparison of placental 3D power Doppler indices and volume in the first and second trimesters of pregnancy with small-for-gestational age fetuses OC17.01

11:10 Discussion

11:13 Implementation of the Intergrowth estimation of OC17.02

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fetal weight for screening at 26-40 weeks in France: results of nationwide survey

11:18  Discussion

11:21  Does automated fractional limb volume improve the performance of third trimester fetal weight predictions in diabetic pregnancies  OC17.03

11:26  Discussion

11:29  Adding fetal growth velocity parameters to maternal biochemical biomarkers improves the detection of small-for-gestational-age neonates  OC17.04

11:34  Discussion

11:37  Increasing fetal growth velocity increases the risk of shoulder dystocia among non-macrosomic fetuses  OC17.05

11:42  Discussion

11:45  Prediction of Caesarean section due to intrapartum dystocia using antenatal customized fetal growth charts  OC17.06

11:50  Discussion

**OC: Management of complicated monochorionic pregnancies**

10:45  ISUOG twin management guidelines in practice

11:05  Does preoperative fetal weight discordancy affect perinatal outcome following laser surgery for twin—twin transfusion syndrome? Evidence from a retrospective cohort study  OC18.01

11:10  Discussion

11:13  Umbilical artery (UA) PI in donors is related to hypovolemia  OC18.02

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11:18 Discussion

11:21 The relationship between recipient twin’s hemodynamic deterioration and ductus venosus Doppler flow in twin–twin transfusion syndrome

11:26 Discussion

11:29 Short-term and long-term neurodevelopmental outcome of monochorionic monoamniotic twin pregnancy

11:34 Discussion

11:37 Postoperative cerebroplacental ratio can predict subsequent fetal demise of donor or smaller twin after fetoscopic laser surgery

11:42 Discussion

11:45 Management of selective intrauterine growth restriction with abnormal Doppler in monochorionic diamniotic (MCDA) twin pregnancies

11:50 Discussion

11:53 Reduced ventricular strain initiates cardiovascular compromise in monochorionic pregnancies

11:58 Discussion

**OC: Managing complications in early pregnancy**

10:45 Avoiding diagnostic error in early pregnancy

11:00 Cell-free DNA in the detection of chromosomal aneuploidies in early fetal demise and miscarriage

11:05 Discussion

11:08 Is the presence or absence of intra-cavity fluid

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associated with a final diagnosis of ectopic pregnancy in women with a pregnancy of unknown location?

11:13 Discussion

11:16 Reference intervals of gestational sac, yolk sac, embryonic length and embryonic heart rate at 6-10 gestational weeks after in vitro fertilization-embryo transfer

OC19.03

11:21 Discussion

11:24 Minimally invasive treatment of Caesarean scar and cervical pregnancies using a cervical ripening double balloon catheter: expanding the clinical series

OC19.04

11:29 Discussion

11:32 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)

OC19.05

11:37 Discussion

11:40 Accuracy of prediction of haemoperitoneum in ectopic pregnancy

OC19.06

11:45 Discussion

11:48 Impact of intrauterine haematoma on pregnancy outcomes

OC19.07

11:53 Discussion

11:56 Sonographic characteristics of post-molar gestational trophoblastic neoplasia (GTN) in relation to chemoresistant disease

OC19.08

12:01 Discussion

This is the preliminary program and is subject to change
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

P12: P: Fetal interventions

P13: P: Heart structure and function

P14: P: Reproductive medicine

P15: P: Screening for pregnancy complications I

13:00 - 16:00

HUB19: HUB: China task force

13:00 - 14:00

HUB20: HUB: CFEF French recommendation at second trimester scan

HUB21: HUB: Evaluating the fetus heart and CNS: the BT approach

HUB22: HUB: Guidelines Russian

14:15 - 15:50

OC: Advanced tools in prenatal diagnosis

14:15
Live scan: Challenge Chaoui: The full anomaly scan in 15 minutes [Supported by Canon]

14:35
Placental changes in fetal-MRI as a potential biomarker of cytomegalovirus Infection  
OC20.01

14:40
Discussion

14:43
Prenatal diagnosis by chromosome microarray analysis and whole-exome sequencing for fetuses with skeletal dysplasia  
OC20.02

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<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Abstract</th>
<th>Code</th>
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<tbody>
<tr>
<td>14:48</td>
<td>Discussion</td>
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<tr>
<td>14:51</td>
<td>Objective evaluation of fetal facial morphology using a new method: facial shape index</td>
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<td>OC20.03</td>
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<td>14:56</td>
<td>Discussion</td>
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<td>14:59</td>
<td>Magnetic resonance morphological signs of fetal inflammatory response syndrome (FIRS) as potential biomarkers of cytomegalovirus infection</td>
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<td>OC20.04</td>
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<td>15:04</td>
<td>Discussion</td>
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<td>15:07</td>
<td>Image review for quality of the first trimester anomaly scan</td>
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<td>15:12</td>
<td>Discussion</td>
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<td>15:15</td>
<td>The experience of prenatal diagnosis by ultrasound and MRI: based on 5754 case</td>
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<td>OC20.06</td>
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<td>15:20</td>
<td>Discussion</td>
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<td>15:23</td>
<td>Fetal exome sequencing: yield and limitations observed in a single tertiary center</td>
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<td>15:28</td>
<td>Discussion</td>
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<td>15:31</td>
<td>Imaging in congenital anomalies: from fetal development to newborn outcomes</td>
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<td><strong>OC: Ventriculomegaly and congenital infections</strong></td>
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<td>14:15</td>
<td>Fetal brain: cases that surprised me</td>
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<td>14:39</td>
<td>Sonographic spectrum of fetal cerebral ventriculomegaly: do we know all?</td>
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<td>14:44</td>
<td>Discussion</td>
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<td>14:47</td>
<td>Brainstem malformations in severe fetal</td>
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ventriculomegaly

14:52 Discussion

14:55 Intracranial complications in monochorionic multiple gestations following in utero intervention: role of fetal MR Imaging

15:00 Discussion

15:03 Prediction of outcome of fetal infection with cytomegalovirus (CMV)

15:08 Discussion

15:11 The added value of postmortem ultrasound in the diagnosis of fetal brain abnormalities

15:16 Discussion

15:19 Ultrasound prediction of symptomatic congenital Zika virus infection

15:24 Discussion

15:27 Additional value of advanced neurosonography and magnetic resonance imaging in fetuses at risk for brain damage

15:32 Discussion

**OC: Ultrasonography and reproductive medicine**

14:15 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?

14:40 Who is at risk of endometrial cavity breach at laparoscopic myomectomy?

14:45 Discussion

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<table>
<thead>
<tr>
<th>Time</th>
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<th>Speaker(s)</th>
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<tbody>
<tr>
<td>14:48</td>
<td>Clinical significance of congenital uterine corporeal anomalies: a prospective observational study in unselected population</td>
<td>OC22.02</td>
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<tr>
<td>14:53</td>
<td>Discussion</td>
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<td>14:56</td>
<td>Can ovarian reserve predict the chances of live birth after one complete cycle of IVF and transfer of all frozen embryos?</td>
<td>OC22.03 N. Balachandren; M. Salman; D. Mavrellos</td>
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<tr>
<td>15:01</td>
<td>Discussion</td>
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<td>15:04</td>
<td>Ultrasound-based strain mapping for contraction frequency in the non-pregnant uterus</td>
<td>OC22.04</td>
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<td>15:09</td>
<td>Discussion</td>
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<td>15:12</td>
<td>Semi-automatic analysis of vascular volume along the Fallopian tube (FT) and impact of the ovarian fimbria on Fallopian tube vascularization using confocal microtomography</td>
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<td>15:17</td>
<td>Discussion</td>
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<td><strong>WS: Maternal hemodynamics in pregnancy</strong></td>
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<td><strong>Chairs: F. Da Silva Costa (Australia); A. Khalil</strong></td>
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<td>14:15</td>
<td>The arterial system and cardiac function in disorders of placentation</td>
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<td>14:35</td>
<td>Early and late pre-eclampsia</td>
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<td>14:55</td>
<td>Screening using biomarkers</td>
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<td>15:15</td>
<td>Screening using maternal haemodynamics</td>
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<td><strong>16:00 - 17:30</strong></td>
<td><strong>WS: 3D</strong></td>
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<td>16:00</td>
<td>Embryo development by 3D</td>
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<td>16:20</td>
<td>3D of the fetal face</td>
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<td>16:40</td>
<td>Where 3D adds value: interesting new cases</td>
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17:00  Panel discussion

17:10  LIVE SCAN: 4D fetal echo [Supported by Samsung]

**WS: Fetal infections: updates on TORCH, Zika and anything new**

16:00  Overview: understanding serology, detection rates, false negatives and false positives

16:15  Cytomegalovirus

16:30  Other congenital infections: Zoster, Parvo and more

16:45  Zika virus: latest updates

17:00  Toxoplasmosis

17:15  Case examples

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

16:00  Diagnosis and management of Caesarean Section scar pregnancy: a personal as well as the UK experience

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

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 AVM’s or simply a physiological observation?

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

17:20  Minimally invasive, highly specific sonographically

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guided treatment by the application of a human fibrin sealant

WS: A masterclass with Simon Meagher: early detection of fetal abnormalities