



29th World Congress on Ultrasound in Obstetrics and Gynecology

12-16 October 2019, Berlin, Germany

Scientific program

Wednesday 16 October 2019

07:30-08:10	Masterclasses First trimester fetal anatomy scan: the basics and beyond <i>S. Meagher (Australia)</i>	Convention Hall I (C)
	Recognising different types of ovarian tumours from metastatic lesions to immature teratomas: features and case examples <i>A.C. Testa (Italy)</i>	Convention Hall I (D)
	All you need to know about multiple pregnancy <i>K. Hecher (Germany)</i>	Estrel Hall (A+B)
08:15-09:35	Improvements in the diagnosis of congenital heart defects <i>Chairs: W. Lee (United States); C. Berg (Germany)</i>	Convention Hall I (C)
08:15	LIVE SCAN The fetal heart [industry supported] <i>W. Lee (United States)</i>	
08:31	OC26.01 Feasibility and accuracy of early fetal echocardiography performed at 13–13+6 weeks in a population with high body mass index <i>R. Garcia-Delgado (Spain)</i>	
08:36	Discussion	
08:39	OC26.02 Second trimester aortic valve diameter in fetuses with bicuspid aortic valve: a substudy from The Copenhagen Baby Heart Study <i>C. Vedel (Denmark)</i>	
08:44	Discussion	
08:47	OC26.03 A novel simple method for the sonographic detection of fetal aberrant right subclavian artery: a prospective study <i>E. Kassif (Israel)</i>	
08:52	Discussion	
08:55	OC26.04 It's the angle: improved identification of fetal aortic coarctation <i>C. Haxel (United States)</i>	
09:00	Discussion	
09:03	OC26.05 Amongst fetuses with conotruncal anomalies, how good is ultrasound measurement of the thymic-thoracic ratio at identifying those with microdeletion 22q11? <i>C. Pylypjuk (Canada)</i>	

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- 09:08 Discussion
- 09:11 **OC26.06** A new diagnostic way in fetuses with tetralogy of Fallot based on the normal fetal quantile score data model
S. Gao (China)
- 09:16 Discussion
- 09:19 **OC26.07** Prenatal echocardiographic classification and prognostic evaluation strategy in fetal pulmonary atresia with intact ventricular septum
L. Liu (China)
- 09:24 Discussion
- 09:27 **OC26.08** Prediction for biventricular outcome in prenatally diagnosed pulmonary atresia with intact ventricular septum/critical pulmonary stenosis
A. Wolter (Germany)
- 09:32 Discussion
- 08:15-09:35** **Assessing women with urinary incontinence with ultrasound** **Convention Hall I (D)**
Chairs: J. Deprest (Belgium); V.H. Eisenberg (Israel)
- 08:15 **INVITED** Urinary incontinence and symptomatic correlation
V.H. Eisenberg (Israel)
- 08:35 **OC27.01** A randomised controlled trial of the effect of pelvic floor exercise on contraction, anatomy and symptoms in women scheduled for prolapse surgery
M. Nyhus (Norway)
- 08:40 Discussion
- 08:43 **OC27.02** Effect on bladder prolapse of individualised Kegel exercise supervised by ultrasound
X. Gu (China)
- 08:48 Discussion
- 08:51 **OC27.03** Prevalence of anal sphincter defects and association with anal incontinence in a urogynecological population
S. Mathew (Norway)
- 08:56 Discussion
- 08:59 **OC27.04** Does urethral kinking affect the association between urethral closure pressure and SUI?
L. Chen (China)



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- 09:04 Discussion
- 09:07 **OC27.05** Reliability study of transperineal ultrasound for assessment of pelvic floor contraction
M. Nyhus (Norway)
- 09:12 Discussion
- 09:15 **OC27.06** Association between St Mark's continence score and anal and/or pelvic floor defects following obstetric anal sphincter injury
L. de Jong-Speksnijder (Netherlands)
- 09:20 Discussion
- 09:23 **OC27.07** Translabial ultrasound for localisation of midurethral sling mesh
C. Stewart (United Kingdom)
- 09:28 Discussion
- 08:15-09:35 Hypertension in pregnancy and maternal hemodynamics** **Estrel Hall (A+B)**
Chairs: H. Valensise (Italy); N. Vrachnis (Greece)
- 08:15 **INVITED** Implementation of first trimester pre-eclampsia screening in clinical practice: a global perspective
F. Da Silva Costa (Australia)
- 08:35 **OC28.01** Reference ranges for placental perfusion using dynamic contrast enhancement magnetic resonance imaging
G. Benchimol (France)
- 08:40 Discussion
- 08:43 **OC28.02 & OC28.03** Home blood pressure monitoring in pregnancy
E. Kalafat (Turkey)
- 08:51 Discussion
- 08:54 **OC28.04** Maternal cardiac hemodynamic may predict progression from mild to severe pre-eclampsia *E. di Pasquo (Italy)*
- 08:59 Discussion
- 09:02 **OC28.05** Early and late pregnancy complications in chronic hypertension are linked to different hemodynamic states before and during gestation
B. Vasapollo (Italy)
- 09:07 Discussion

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- 09:10 **OC28.06** Pregnancy complicated by type 1 diabetes, type 2 diabetes and gestational diabetes: maternal hemodynamic assessment and subsequent complications
I. Pisani (Italy)
- 09:15 Discussion
- 09:18 **OC28.07** Validation of screening performance of first trimester prediction algorithm for pre-eclampsia in an Asian population
L. Poon (Hong Kong)
- 09:23 Discussion
- 09:40-10:20** **Short oral presentation (OP)** **Convention Hall I (C)**
OP16 IUGR: clinical studies
Chairs: S. Yeo (Singapore); F. Figueras (Spain)
- 09:40-10:20** **Workshop** **Convention Hall I (D)**
Evaluating myometrial pathology and fibroids
Chairs: J. Huirne (Netherlands); L. Valentin (Sweden)
- 09:40 Diagnostic features and clinical relevance of adenomyosis on ultrasound
T. Van den Bosch (Belgium)
- 09:50 Evaluating submucous fibroids with ultrasound prior to surgery
F. Leone (Italy)
- 10:00 The ultrasound features of sarcoma
A.C. Testa (Italy)
- 10:10 Can we still perform laparoscopic myomectomy given the risk of sarcoma?
D. Timmerman (Belgium)
- 09:40-10:20** **Short oral presentation (OP)** **Estrel Hall (A+B)**
OP17 Fetal surgery
Chairs: K. Hecher (Germany); Y. Ville (France)
- 10:45-12:05** **Using ultrasound in reproductive medicine: the diagnosis of PCO and uterine abnormalities** **Convention Hall I (C)**
Chairs: N. Raine-Fenning (United Kingdom) C. Brezinka (Austria)
- 10:45 **INVITED** The new ESHRE consensus: do we need another guideline telling us how to diagnose PCO?
N. Raine-Fenning (United Kingdom)
- 11:05 **OC29.01** Definitions, diagnosis, prevalence, clinical implications and treatment of t-shaped uterus: a systematic review
M.A. Coelho Neto (Brazil)
- 11:10 Discussion

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- 11:13 **OC29.02** How to diagnose a t-shaped uterus by 3D-TVS criteria: a comparative study
F. Leone (Italy)
- 11:18 Discussion
- 11:21 **OC29.03 & OC29.04** T-shaped uterus by Congenital Uterine Malformation by Experts (CUME): suggested definition based on three criteria and subjective agreement by experts
W.P. Martins (Brazil)
- 11:26 Discussion
- 11:29 **OC29.05** A comparison of the pregnancy outcomes between women with a didelphus uterus and a unicornuate uterus after *in vitro* fertilisation-embryo transfer
P. Cai (China)
- 11:34 Discussion
- 11:37 **OC29.06** 3D-TVS evaluation of partial uterine septum according to different classifications and correlation with reproductive outcomes: a study of 664 cases
F. Conway (Italy)
- 11:42 Discussion
- 11:45 **OC29.07** Diagnosis of functional cavity in the hemi-uterus by 3D-US using the ESHRE–ESGE consensus on classification of congenital anomalies in the female genital tract
B. Graupera (Spain)
- 11:50 Discussion
- 11:53 **OC29.08** Reproductive outcome after hysteroscopic metroplasty for t-shaped uterus
F. Leone (Italy)
- 11:58 Discussion
- 10:45-12:05** **Placenta accreta spectrum** **Convention Hall I (D)**
Chairs: F. D'Antonio (Norway); A.E. Millischer (France)
- 10:45 **INVITED** How to summarise the heterogeneity of the literature on placenta accreta
F. D'Antonio (Norway)
- 11:05 **OC30.01 & OC30.02** Placenta accreta spectrum: lessons from the ADoPAD study
F. Prefumo (Italy)

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- 11:17 Discussion
- 11:20 **OC30.03** Diagnostic performance of ultrasound in prenatal diagnosis of placenta accreta in women without previous Caesarean section (ADoPAD study)
N. Fratelli (Italy)
- 11:25 Discussion
- 11:28 **OC30.04** Performance of transvaginal ultrasound between 11–14 weeks in women with prior Caesarean delivery for early prediction of placenta accreta spectrum
G. Doulaveris (United States)
- 11:33 Discussion
- 11:36 **OC30.05** Placental location and risk of retained placenta in women previously delivered by Caesarean section: a population-based cohort study
M. Granfors (Sweden)
- 11:41 Discussion
- 11:44 **OC30.06** Proposal for ultrasound staging of placenta accreta spectrum disorders
F. D'Antonio (Norway)
- 11:49 Discussion
- 11:52 **OC30.07** Comparison of the diagnostic value of sonography and MRI in patients with abnormally invasive placenta
T. Makukhina (Russian Federation)
- 11:57 Discussion
- 10:45-12:05 Fetal anomalies: lungs and infections** **Estrel Hall (A+B)**
Chairs: M. Herrera (Colombia); R. Cruz-Martinez (Mexico)
- 10:45 **INVITED** Diagnosis and management of fetal lung anomalies
C. Berg (Germany)
- 11:05 **OC31.01** Measurement of pulmonary vascular volume using virtual reality three-dimensional ultrasound in fetuses with left-sided congenital diaphragmatic hernia
N. Peters (Netherlands)
- 11:10 Discussion
- 11:13 **OC31.02** Evaluation of cortical development by fetal MRI in fetuses with congenital diaphragmatic hernia between 26–29 weeks of gestation
M. Aertsen (Belgium)

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11:18	Discussion	
11:21	OC31.03 Prediction of postnatal outcome in fetuses with a congenital lung malformation: a two-year follow-up study <i>N. Peters (Netherlands)</i>	
11:26	Discussion	
11:29	OC31.04 The utility of fetal MRI for the screening of functional pulmonary hypoplasia <i>J. Sakuma (Japan)</i>	
11:34	Discussion	
11:37	OC31.05 Fetal liver volume assessment using magnetic resonance imaging in fetuses with CMV infection <i>A. Hawkins (Spain)</i>	
11:42	Discussion	
11:45	OC31.06 A multicentre study to predict neonatal survival according to lung-to-head ratio and liver herniation in fetuses with left congenital diaphragmatic hernia: hidden mortality from the Latin American CDH Study Group Registry <i>R. Cruz-Martinez (Mexico)</i>	
11:50	Discussion	
11:53	OC31.07 Influence of maternal HIV-infection on fetal thymus size <i>M. Falkenberg (Germany)</i>	
11:58	Discussion	
12:10-13:00	Short oral presentation (OP) OP18 Ultrasound in early pregnancy and reproductive medicine <i>Chairs: C. Brezinka (Austria); M. Al-Memar (United Kingdom)</i>	Convention Hall I (C)
12:10-12:50	Short oral presentations (OP) OP19 Placenta accreta spectrum <i>Chairs: J. Hyett (Australia); F. Chantraine (Belgium)</i>	Convention Hall I (D)
	OP20 Diagnosis of fetal abnormalities <i>Chairs: J.A. Copel (United States); C. von Kaisenberg (Germany)</i>	Estrel Hall (A+B)
12:45-14:15	Lunch and e-poster viewing	
13:00-14:00	Industry sponsored satellite symposia	

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14:15-15:45	Workshop Abnormally invasive placenta <i>Chairs: F. Chantraine (Belgium); W. Henrich (Germany)</i>	Convention Hall I (C)
14:15	LIVE SCAN Abnormally invasive placenta [industry supported] TBC <i>W. Henrich (Germany)</i>	
14:30	Epidemiology and basics <i>F. Chantraine (Belgium)</i>	
14:45	Screening in the first trimester? <i>F. D'Antonio (Norway)</i>	
15:00	Correct staging by ultrasound is feasible <i>G. Cali (Italy)</i>	
15:15	Evidence-based clinical management <i>S. Collins (United Kingdom)</i>	
15:30	Conservative management: from the past to the future <i>L. Sentilhes (France)</i>	
14:15-15:45	Workshop: Case discussions: using ultrasound to manage oncology patients <i>Chairs: A.C. Testa (Italy); W. Froyman (Belgium)</i>	Convention Hall I (D)
14:15	Surgeons <i>J. Sehouli (Germany); C. Fotopoulou (United Kingdom)</i>	
14:35	Ultrasound <i>D. Fischerová (Czech Republic); E. Epstein (Sweden)</i>	
14:55	Case presentations <i>A.C. Testa (Italy); W. Froyman (Belgium)</i>	
15:25	Discussion	
14:15-15:45	Workshop Late FGR and stillbirth <i>Chairs: C. Lees (United Kingdom); K. Hecher (Germany)</i>	Estrel Hall (A+B)
14:15	Distinguishing FGR from SGA at term <i>F. Figueras (Spain)</i>	
14:35	Evidence-based management of late FGR <i>T. Stampalija (Italy)</i>	
14:55	Late FGR and stillbirth: how strong is the relationship? <i>L. Poon (Hong Kong)</i>	

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- 15:15 Cerebral redistribution: data from the TRUFFLE 2 feasibility study
C. Lees (United Kingdom)
- 15:35 Discussion
- 15:50-17:00** **Closing plenary:** **The power of ultrasound** **Convention Hall I (C)**
Chairs: C.M. Bilardo (Netherlands); A. Cameron (United Kingdom)
- 15:50 **INVITED** The power of ultrasound in animals
T. Hildebrandt (Germany)
- 16:15 Awards presentation: top abstract, Young Investigator and best in category
L.J. Salomon (France); D. Timmerman (Belgium)
- 16:25 The power of ultrasound: challenge the 2018 champion – top images from top experts
S. Meagher (Australia); H. Werner (Brazil); H. Shah (United Kingdom); J. Bault (France); L. Savelli (Italy)
- 16:50 Discussion and voting



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Hubs

		Foyer 3:
08:15-09:15	Interactive Hubs ISUOG Basic Training series III <i>Chair: R. Abu-Rustum (United States)</i>	HUB 2
	In conversation with <i>F. Ushakov</i> : early neurosonography – fetal CNS at 11–13 weeks	HUB 3
09:40-10:20	Poster discussions (P) P16: Novel technology, training and safety <i>Chairs: A. Gagnon (Canada); H. Feltovich (United States)</i>	HUB 1
	P17: Fetal disease III <i>Chairs: G.E. Chalouhi (France); E. Contro (Italy)</i>	HUB 2
	Poster discussion (P) P18: MRI and neurosonography <i>Chairs: D. Pugash (Canada); G. Kasprian (Austria)</i>	HUB 3
10:45-11:45	Interactive Hubs In conversation with <i>C. Lees</i> : bring your own challenging Doppler cases – interpretation and management	HUB 1
	Russian-speaking ultrasound specialists community <i>Chair: F. Ushakov (United Kingdom)</i>	HUB 2
	In conversation with <i>F. Da Silva Costa</i> : how to set up a first trimester screening for pre-eclampsia – a global perspective	HUB 4
10:45-12:45	Interactive Presence of WATOG in ISUOG: MFM education <i>Chairs: TBC</i>	HUB 3
12:10-12:50	Poster discussions (P) P19: Preterm birth and the placenta <i>Chairs: A. Sotiriadis (Greece); H. Feltovich (United States)</i>	HUB 1
	P20: Rare and interesting cases of congenital heart defects <i>Chairs: P. Acharya (India); J. Ochoa (Argentina)</i>	HUB 2