



# 28<sup>th</sup> World Congress on Ultrasound in Obstetrics and Gynecology

20 – 24 October 2018, Singapore

Incorporating ASUM 2018

## Wednesday 24 October 2018

07:30 - 08:10	<b>MC: Cardiac ultrasound: the heart of the matter</b>	
07:30	Cardiac ultrasound: the heart of the matter	
	<b>MC: How to predict and prevent preterm labour</b>	
07:30	How to predict and prevent pre-term labour	
	<b>MC: IOTA terminology, rules and models to classify ovarian masses: case examples with audience participation!</b>	
07:30	IOTA terminology, rules and models to classify ovarian masses: case examples with audience participation!	
	<b>MC: Screening for chromosomal abnormalities in daily practice: what every clinician needs to know</b>	
07:30	Screening for chromosomal abnormalities in daily practice: what every clinician needs to know	
08:15 - 09:35	<b>OC: Thoracic and palate abnormalities advances in imaging and outcomes</b>	
08:15	Overview of facial and thoracic abnormalities: cases	
08:39	Fetal MRI-based diaphragmatic segmentation for personalized therapy planning in fetuses with congenital diaphragmatic hernia	OC23.01
08:44	Discussion	

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08:47	In-utero treatment of prenatal thoracic abnormalities by pleuro-amniotic shunts (PAS): short- and long-term outcome	OC23.02
08:52	Discussion	
08:55	Congenital lung malformations: physical growth, lung function and exercise tolerance at 8 years of age	OC23.03
09:00	Discussion	
09:03	The “superimposed line sign”: a novel marker in early diagnosis of secondary cleft palate	OC23.04
09:08	Discussion	
09:11	Relationship between Doppler parameters and postnatal outcomes in fetuses with congenital diaphragmatic hernia	OC23.05
09:16	Discussion	
09:19	Prediction of neonatal outcome in isolated congenital diaphragmatic hernia in a single center with recurrent prenatal evaluations	OC23.06
09:24	Discussion	
09:27	Predictive factors of postnatal outcomes in the fetuses with congenital cystic adenomatoid malformation	OC23.07
09:32	Discussion	
	<b>OC: Fetal growth: moving paradigm from size to function</b>	
08:15	Why fetal size near term is a poor marker of adverse outcome	
08:35	Is it time to change surveillance method of	OC24.01

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late growth restriction from umbilical artery  
Doppler to brain sparing?

08:40	Discussion	
08:43	Maternal uterine and fetal umbilical artery Doppler impedance is associated with maternal haemodynamic function	OC24.02
08:48	Discussion	
08:51	International charts of umbilical artery Doppler indices based on serial measurements from the INTERGROWTH- 21 <sup>st</sup> project	OC24.03
08:56	Discussion	
08:59	The association between the cerebral- placental-uterine ratio and fetal growth restriction: a prospective cohort study	OC24.04
09:04	Discussion	
09:07	The interaction between the maternal systemic and uteroplacental circulations in pregnancies resulting in small for gestational age newborns	OC24.05
09:12	Discussion	
09:15	The IUGR newborn: transition from fetus to newborn	

### **OC: Urogynecology**

08:15	How ultrasound guides my surgery in urogynecology	
08:35	Evaluation the difference of elastic modulus between contracting and resting state of levator ani muscle measured by real-time shear wave elastography	OC25.01

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08:40	Discussion	
08:43	Fetal head engagement is associated with larger pelvic hiatal dimensions in nulliparous women at term	OC25.02
08:48	Discussion	
08:51	Flatus incontinence and anal sphincter trauma	OC25.03
08:56	Discussion	
08:59	A study on the practicality of the semi-automatic measurement for the urogenital hiatus	OC25.04
09:04	Discussion	
09:07	Subjective and objective success after uphold mesh	OC25.05
09:12	Discussion	
09:15	How to diagnose 'vaginal laxity' on translabial ultrasound	OC25.06
09:20	Discussion	

## **HUB23: HUB: Journal?**

## **HUB24: HUB: Future plans and lessons learnt from multicentre studies**

**09:40 - 10:20      OP: Thoracic and abdominal abnormalities**

**OP: Fetal growth and Doppler throughout the trimesters**

**OP: Urogynecology**

**OP: Placental disorders**

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**P16: P: Safety and education**

**P17: P: Screening for pregnancy complications  
II**

**HUB25: HUB: How to evaluate a patient who  
presents with pelvic pain**

**HUB26: HUB: Special interest group MRI**

**HUB27: HUB: Outreach**

<b>10:45 - 12:05</b>	<b>OC: Impacts of fetal heart disease</b>	
10:45	Fetal haemodynamics	
11:05	Longitudinal brain and body growth in fetuses with and without transposition of the great arteries	OC26.01
11:10	Discussion	
11:13	Psychological stress and maternal cortisol when carrying a fetus with congenital heart disease	OC26.02
11:18	Discussion	
11:21	Comparison of the prevalence of pathogenic copy number variation in tetralogy of fallot and associated congenital heart defect diagnosed between fetuses and children	OC26.03
11:26	Discussion	
11:29	The study on the value of high definition live flow imaging mode of spatio-temporal image correlation technology in the diagnosis of fetal complete vascular ring	OC26.04
11:34	Discussion	
11:37	The predominance of the fetal right heart chambers in the second and third trimester	OC26.05

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11:42	Discussion	
11:45	Anomalies of the aortic arch: a 10 year experience at NUH	OC26.06
11:50	Discussion	
11:53	Cardiac ventricular apex ratio (CVAR) at 11-13 weeks: a first-trimester marker for congenital heart defects (CHD) and chromosomal defects	OC26.07
11:58	Discussion	
	<b>OC: Fetal structural anomalies and postnatal outcome</b>	
10:45	Neonatal follow-up of fetal malformations	
11:05	Neonatal outcome and long-term sequelae in CMV infected neonates according to the timing of primary maternal infection	OC27.01
11:10	<i>Discussion</i>	
11:13	Prenatally diagnosed echogenic kidneys: postnatal outcome	OC27.02
11:18	Discussion	
11:21	Outcome of abdominal cysts detected at 11-14 weeks of gestation: a two centers' experience	OC27.03
11:26	Discussion	
11:29	Utility of infectious and cystic fibrosis workup in prenatal diagnosis of echogenic intra-abdominal structures	OC27.04
11:34	Discussion	
11:37	Long term follow up on fetuses with isolated sonographic finding of short long bones	OC27.05

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- 11:42 Discussion
- 11:45 Non-visualisation of the fetal gallbladder (NVFGB) at prenatal ultrasound: cohort study and systematic review of the literature on postnatal outcome OC27.06
- 11:50 Discussion
- 11:53 Evaluation of an objective antenatal measurement of fetal bowel echogenicity OC27.07
- 11:58 Discussion

## **WS: Fertility preservation in gynecology: how ultrasound can help**

- 10:45 The role of ultrasound in fertility preservation surgery
- 11:05 How to use ultrasound to identify and manage recurrent borderline ovarian tumors: follow up scans or repeat surgery?
- 11:20 The ultrasound guided surgical management of recurrent borderline ovarian tumors
- 11:35 How ultrasound helps me carry out office and day surgical procedures
- 11:50 Investigating paediatric pelvic pain including torsion

11:45 - 12:45 **Exhibitors' Closing Meeting**

12:10 - 12:50 **OP: Fetal heart: better screening and outcomes**

**OP: Fetal structural anomalies**

**CS: Discussion of clinical cases: watch the experts struggle**

**P18: P: Diagnosis of fetal heart abnormalities**

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## and functional assessment

### **P19: P: Multiple pregnancies**

### **HUB28: HUB: Controversies in reproductive medicine**

### **P20: P: First trimester ultrasound in the era of cfDNA**

#### **14:15 - 15:45      WS: Abnormally invasive placenta**

14:15                  Detecting it with ultrasound

14:35                  The role of MRI

14:55                  Management strategies

15:15                  Real life cases

15:35                  Discussion

#### **WS: Fetal anatomical assessment using MRI**

14:15                  I don't need MRI

14:35                  The power of MRI

14:55                  Brain development: how does MRI help us

15:15                  ISUOG guidelines through cases

15:35                  Discussion

#### **WS: How do we manage pathology found on ultrasound in asymptomatic women**

14:15                  Is a thick endometrium in postmenopausal women abnormal: should you take a biopsy?

14:30                  Should we be looking at pelvic veins? How does pelvic pathology impact on venous flow and

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pelvic vein thrombosis

- 14:45      Fibroids, polyps and congenital abnormalities found on a baseline fertility scan: what should you advise your patients about treatment
- 15:00      Enhanced myometrial vascularity after pregnancy: leave it, treat it or embolise it
- 15:15      What should we do with benign looking ovarian cysts found by chance on a scan?
- 15:30      If you see endometriosis should you leave it? The natural history of endometriosis in pregnant and non-pregnant women
- 15:50 - 16:50      Plenary 4: Closing plenary: Show us the power of ultrasound**
- 15:50      Awards presentation: Top abstract, young investigator
- 16:05      Awards presentation: Top abstract, young investigator
- 16:05-16:30      The power of ultrasound: challenge the 2017 champion - top images from top experts
- 16:35      Discussion and voting

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