



29th World Congress on Ultrasound in Obstetrics and Gynecology

12-16 October 2019, Berlin, Germany

Scientific program

Saturday 12 October 2019

This course is run in collaboration with DEGUM

08:25-17:00 **PCC: Fetal anomalies: heart and central nervous system (CNS)** **Room I**

Session 1: Fetal heart

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

08:25 Opening on behalf of ISUOG and DEGUM

08:30 2D/3D/4D of the fetal heart
K. Heling (Germany)

09:00 Four-chamber anomalies
E. Quarello (France)

09:30 Outflow tract anomalies
A. Abuhamad (United States)

10:00 Cardiac anomalies and genetic diseases
R. Chaoui (Germany)

10:30 **Coffee**

Chairs: J. Carvalho (United Kingdom); R. Faber (Germany)

11:00 First trimester heart anomalies
J. Carvalho (United Kingdom)

11:30 Cardiac disproportion: more than aortic coarctation
D. Paladini (Italy)

12:00 Fetal arrhythmias
U. Gembruch (Germany)

12:30 **Lunch**

Session 2: Fetal brain

Chairs: G. Malinger (Israel); R. Chaoui (Germany)

13:30 Sonoembryology of the fetal brain
B. Benoit (France)

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- 13:50 Fetal CNS anomalies at 11–14 weeks
R. Chaoui (Germany)
- 14:10 Open and closed spinal dysraphism
M. Hoopmann (Germany)
- 14:40 Simple hints for complex brain malformations
K. Karl (Germany)
- 15:00 Fetal CNS anomalies before 20 weeks
G. Malinger (Israel)
- 15:30 Coffee**
- Chairs: D. Prayer (Austria); G. Malinger (Israel)*
- 16:00 Ventriculomegaly: what to check for?
I.E. Timor-Tritsch (United States)
- 16:30 Posterior fossa anomalies: what to check for?
L. Guibaud (France)
- 17:00 End of course

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08:45-16:45 **PCC: Advances in prenatal diagnosis, pre-eclampsia prediction and future technologies** **Estrel Hall (A)**

Ultrasound working together with other technologies

Chairs: A.T. Papageorgiou (United Kingdom); J. Stone (United States)

08:45 Is there a place for biomarkers in the modern management of pregnancies?
J. Stone (United States)

09:15 Prediction of preterm birth: can "-omics" and new technologies help?
H. Feltovich (United States)

09:45 Can we improve our prediction models for pre-eclampsia?
S. Verlohren (Germany)

10:05 Artificial intelligence in ultrasound
A.T. Papageorgiou (United Kingdom)

10:25 **Coffee**

10:55 Getting to the right diagnosis using "big data"
J. Stirnemann (France)

11:15 The place of MRI in pregnancy management: future developments
D. Prayer (Austria)

11:35 New technologies and informed consent: are they compatible?
M. Norton (United States)

11:55 Discussion

12:15 **Lunch**

Ultrasound working together with genetics

Chairs: L. Dugoff (United States); L.J. Salomon (France)

13:15 Expanded carrier screening: pros and cons
L. Dugoff (United States)

13:45 **INTERACTIVE DISCUSSION** let's talk about what's next – cfDNA for all or invasive for all?
Important articles, practical cases and highlights
J. Stone (United States); L.J. Salomon (France)

14:15 Screening for aneuploidy: what should we do in 2019?
K. Nicolaides (United Kingdom)

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14:45	Coffee
15:15	cfDNA: no-calls, anomalies at ultrasound, multiple pregnancies – how to manage when things get complex (including case discussions) <i>L. Dugoff (United States)</i>
15:45	Exomes and genetic evaluation in fetal anomalies: are we eventually ready? <i>M. Norton (United States)</i>
16:15	Q&A and discussion: genetics cases that stumped me <i>L. Dugoff; M. Norton (United States)</i>
16:45	End of course

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09:00-17:45	PCC: Endometriosis: diagnostic challenges and surgical planning <i>Chairs: G. Condous (Australia); S. Guerriero (Italy)</i>	Estrel Hall (B)
09:00	IDEA consensus <i>G. Condous (Australia)</i>	
09:30	Endometriosis: is it underdiagnosed? Data on diagnostic delay <i>G. Hudelist (Austria)</i>	
10:00	Hemoperitoneum as a precursor of deep endometriosis <i>D. Jurkovic (United Kingdom)</i>	
10:30	Case studies	
11:00	Coffee	
11:30	TVS and MRI for diagnosis of endometriosis: complimentary or independent imaging modalities <i>S. Guerriero (Italy)</i>	
12:00	Ultrasound assessment of the rectum, rectosigmoid and sigmoid: planning joint colorectal surgery <i>T. Van den Bosch (Belgium)</i>	
12:30	Case studies	
13:00	Lunch <i>Chairs: G. Condous (Australia); A. Horne (United Kingdom)</i>	
14:00	Ultrasound evaluation of endometriosis of the urinary tract: what does the surgeon need to know? <i>D. Jurkovic (United Kingdom)</i>	
14:30	SonoPODography: a new technique in the assessment of uterosacral ligament endometriosis <i>M. Leonardi (Australia)</i>	
15:00	Surgical implications of fixed ovaries and/or POD obliteration noted on preoperative ultrasound <i>M. Leonardi (Australia)</i>	
15:30	What are the alternative treatment options to surgery for women with endometriosis and are there future candidate treatments in the pipeline? <i>A. Horne (United Kingdom)</i>	
16:00	Coffee	

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- 16:30 How to counsel women with endometriosis and endometriotic cysts:
 what is the risk of developing cancer in the future?
 A. Horne (United Kingdom)
- 16:45 Diagnosing adenomyosis
 T. Van den Bosch (Belgium)
- 17:15 Surgery for endometriosis
 G. Hudelist (Austria); G. Condous (Australia)
- 17:45 End of course