

18th World Congress In Fetal Medicine



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18th World Congress in Fetal Medicine

Tuesday 25th June 2019: Joint session with Eurofoetus

- 09:10 10:00 Achilles tendon of fetal surgery
- 10:00 10:35 Gastroschisis: novel indication for fetal surgery
- 10:35 13:00 Special lectures
- 14:30 19:30 Twins: counselling of prospective parents
- 21:00 24:00 Welcome reception

Wednesday 26th June 2019: Joint session with Eurofoetus

- 09:00 10:20 Congenital diaphragmatic hernia
- 10:20 16:00 Open spina bifida
- 16:00 16:30 New approaches to fetal therapy
- 17:15 19:30 Preterm birth

Thursday 27th June 2019

- 09.00 09:40 Congenital infection
- 09:40 10:30 Special topics
- 10:30 13:00 Fetal growth restriction
- 14:30 19:00 Preeclampsia
- 19:00 19:15 New insights into obstetric cholestasis and GDM

Friday 28th June 2019

- 09.00 13:00 Fetal echocardiography
- 14:30 17:40 Screening and diagnosis of aneuploidies
- 17:40 19:30 Fetal ultrasound meets genetics

Saturday 29th June 2019

- 09.00 09:16 First trimester anomaly scan
- 09:16 09:50 Special lectures
- 09:50 10:40 Labor and birth
- 10:40 11:00 Obesity and diabetes
- 11:30 13:00 Neurosonography







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- 1. Hund M, et al 2014 BMC Pregnancy and Childbirth 1471-2393 14:324
- 2. Klein E, et al. 2016. PLoS One 11, e0156013;
- 3. Stepan H, et al. 2015. Ultrasound Obstet Gynecol 45, 241-246;
- 4. Vatish M, et al. 2016. Ultrasound Obstet Gynecol 48, 765-771;
- 5. Verlohren S, et al. 2014. Hypertension 63, 346-352;
- 6. Zeisler H, et al. 2016. N Engl J Med 374,13-22.
- 7. Verlohren, S., et al. (2010). Am J Obstet Gynecol 202 (161), e1-11

Tuesday 25th June 2019: Joint session with Eurofoetus

	Devictoriation	
08:00 - 09:00	Registration	
09:00 - 09:10	Welcome	Kypros Nicolaides (UK)
09:10 - 10:00	Achilles tendon of fetal surgery Discussants: Jan Deprest (Belgium), Michael Belfort (USA)	
09:10 - 09:22 09:22 - 09:29 09:29 - 09:36 09:36 - 09:43 09:43 - 09:50 09:50 - 10:00	Effect of hydration status on fetal membrane frailty Chorioamniotic membrane separation after spina bifida repair A sealing system for fetoscopic defects Nature and occurrence of fetal surgery complications Outcome of subsequent pregnancies after open spina bifida repair Panel discussion	Edoardo Mazza (Switzerland) Romain Corroenne (USA) Elisenda Eixarch (Spain) Adalina Sacco (UK) Julie Moldenhauer (USA)
10:00 - 10:35	Gastroschisis: novel indication for fetal surgery Discussants: Jan Deprest (Belgium), Alexandra Benachi (France)	
10:00 - 10:12 10:12 - 10:19 10:19 - 10:30 10:30 - 10:35	Prenatal findings and natural history Experimental in utero closure Strategy for a clinical in utero surgery Panel discussion	Paolo De Coppi (UK) Luc Joyeux (Belgium) Sundeep Keswani (USA)
10:35 - 13:00	Special lectures Discussants: Tessa Homfray (UK), Magdalena Sanz (USA)	
10:35 - 10:45 10:45 - 11:00	Fetal brain development in CDH – MRI study Agenesis of the corpus callosum	Michael Aertsen (Belgium) Daniela Prayer (Austria)
11:00 - 11:30	Coffee break	
11:30 - 11:45 11:45 - 12:00 12:00 - 12:15 12:15 - 12:30 12:30 - 12:45 12:45 - 13:00	Exome sequencing analysis in fetal defects 3D atlas of human embryology How a dead duck changed my life Imaging genetics of the human face Intrauterine determinants of adult disease Fetal alcohol spectrum disorders	Mark Kilby (UK) Bernadette de Bakker (Netherlands) Kees Moeliker (Netherlands) Peter Claes (Belgium) Kirsten Poore (UK) David Germanaud (France)
13:00 - 14:30	Lunch break	
14:30 - 19:30 14:30 - 14:37 14:37 - 14:44 14:44 - 14:51 14:51 - 14:58 14:58 - 15:10	Twins: counselling of prospective parents Chairs: Yves Ville (France), Liesbeth Lewi (Belgium) Embryo reduction in DC twins and TC triplets Embryo reduction in DC twins and risk of PE Embryo reduction in DC triplets – radiofrequency abblation 3rd trimester selective reduction in MC twins Discordant anomalies in DC and MC twins	Shlomo Lipitz (Israel) Veronica Accurti (Italy) Vivian Dimitriadi (UK) Sanne Deneckere (Belgium) Liesbeth Lewi (Belgium)
15:10 - 15:20 15:20 - 15:32	Panel discussion Death of one fetus in DC and MC twins	Mark Kilby (UK)
15:32 - 15:42 15:42 - 15:52	Emotional consequences of single death in twins Panel discussion	Elena Carreras (Spain)
15:52 - 16:04	Monoamniotic twins	Tim Van Mieghem (Canada)
16:04 - 16:16 16:16 - 16:23	Conjoined twins Panel discussion	Paolo De Coppi (UK)
16:23 - 16:30	Outcome of spontaneous vs ART MC twins	Alicia Martínez-Varea (Spain)
16:30 - 17:10	Coffee break	
17:10 - 17:17 17:17 - 17:24 17:24 - 17:31	Selective FGR: evolution in Doppler patterns Selective FGR type 2: endoscopic laser TTTS +/- sFGR: short and long-term outcomes	Luyao Li (China) Ramen Chmait (USA) Sophie Groene (Netherlands)
17:31 - 17:40 17:40 - 17:52 17:52 - 18:04 18:04 - 18:11 18:11 - 18:18 18:18 - 18:25	Panel discussion TTTS stages 3 and 4 TTTS stages 1 and 2 TTTS <18 w Solomon dichorionization: the primary treatment for all TTTS patients Patient-specific planning platform for TTTS surgery Panel discussion	Kurt Hecher (Germany) Yves Ville (France) Asma Khalil (UK) Mara Rosner (USA) Elisenda Eixarch (Spain)
18:25 - 18:40 18:40 - 18:50 18:50 - 19:00 19:00 - 19:07 19:07 - 19:13 19:13 - 19:20 19:20 - 19:30	TTTS perioperative hemodynamics and neurodevelopment TAPS: diagnostic criteria and outcome TAPS: international registry of >300 cases TAPS: trial on management Normal fetal Doppler in MC twins vs. singletons Panel discussion	Manon Gijtenbeek (Netherlands) Enrico Lopriore (Netherlands) Lisanne Tollenaar (Netherlands) Lisanne Tollenaar (Netherlands) Daniela Casati (Italy)

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November 2018 JB62922XE 300-18-U030E

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Wednesday 26th June 2019: Joint session with Eurofoetus

09:00 - 10:20	Congenital diaphragmatic hernia	
	Discussants: Jan Deprest (Belgium), Alexandra Benachi (France)	
09:00 - 09:07	Prediction of pulmonary hypertension	David Basurto (Mexico / Belgium)
09:07 - 09:14 09:14 - 09:21	Pulmonary hypertension in FETO patients	Jimmy Espinoza (USA)
09:21 - 09:28	Does the gestational age at delivery matter? Fetal brain development in CDH – US study	Hanane Bouchghoul (France) Lennart Van der Veeken (Belgium)
09:28 - 09:35	Smart tracheal occlusion	David Basurto (Mexico / Belgium)
09:35 - 09:42	MRI assessment of lung volumes	Vivien Dutemeyer (Belgium)
09:42 - 09:50	Panel discussion	Wien Butenieyer (Beigium)
09.50 - 10:20	Severe CDH: debate on FETO outside the TOTAL trial	Yves Ville vs. Jan Deprest
	Discussants: Kurt Hecher (Germany), Jacques Jani (Belgium)	·
10:20 - 16:00	Open spina bifida	
10120 10100	Discussants: Jan Deprest (Belgium), Magdalena Sanz (USA)	
10:20 - 10:35	1st trimester diagnosis of spina bifida: 10years later	Rabih Chaoui (Germany)
10:35 - 10:45	Spina bifida: ultrasound assessment	Elena Carreras (Spain)
10:45 - 10:52	Spina bifida: functional deterioration	Francesca Russo (Belgium)
10:52 - 11:00	Panel discussion	
11:00 - 11:30	Coffee break	
11:30 - 11:37	Spina bifida: evolution in ventriculomegaly	Tim Van Mieghem (Canada)
11:37 - 11:44	Spina bifida: other brain anomalies	Lucas Trigo (Spain / Brazil)
11:44 - 11:51	Spina bifida: genetic anomalies	Selima Ben Miled (France) William Whitehead (USA)
11:51 - 12:00	Spina bifida: technique of postnatal repair Debate: indications, neurosurgical technique, membranes and prematurity	William Whitehead (USA)
12:00 - 12:05	Introduction	Jan Deprest (Belgium)
12:05 - 12:15	- Hysterotomy	Julie Moldenhauer (USA)
12:15 - 12:25	- Mini-hysterotomy	Fabio Peralta (Brazil)
12:25 - 12:35	- Fetoscopy via laparotomy	Michael Belfort (USA)
12:35 - 12:45	- Fetoscopy percutaneous	Denise Lapa (Brazil)
12:45 - 13:00	Panel discussion	
13.00 - 14.30	Lunch break	
13:00 - 14:30	Lunch break	
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13:00 - 14:30 14:30 - 14:45	Lunch break Debate: dissemination of spina bifida repair Fetal surgery registry: hysterotomy	Julie Moldenhauer (USA)
14:30 - 14:45 14:45 - 15:00	Debate: dissemination of spina bifida repair Fetal surgery registry: hysterotomy Fetal surgery registry: fetoscopy	Magdalena Sanz (USA)
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Roberto Romero (USA)

- 19:55 19:05
 Preterm clinic: prediction and prevention of preterm birth
 19:05 19:20
 New ideas about preterm labor
 19:20 19:30
 Panel discussion

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1. Daniel L. Rolnik et al. Aspirin versus Placebo in Pregnancies at High Risk for Preterm Preeclampsia. DOI: 10.1056/NEJMoa1704559, New England J Med June 2017

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Thursday 27th June 2019

Discussant: Yves Ville (France) HIV treated by antiretrovirals: infant cardiac remodelling CMV infection: knowledge by healthcare providers CMV infection <14 w: standardized assessment CMV infection: new concepts Questions on management	Laura García Otero (Spain) Anna Gonce (Spain) Valentine Faure-Bardon (France) Yves Ville (France) Asma Khalil (UK)
Special topics Discussants: Jon Hyett (Australia), Yves Ville (France) Cesarean section: long term consequences for the child Intrauterine interventions in congenital heart disease Meta-analysis on in utero stem cell transplantation Urogenital defects: postnatal management	Zarko Alfirevic (UK) Wolfgang Arzt (Austria) Rachel Sagar (UK) Marie-Klaire Farrugia (UK)
Fetal growth restriction Discussants: Gerry Visser (Netherlands), Francesc Figueras (Spain) Identification of different phenotypes of FGR Competing risks model for prediction of SGA Fetal growth in IVF/ICSI pregnancies	Fatima Crispi (Spain) Ioannis Papastefanou (Greece) Paolo Cavoretto (Italy)
Coffee break	
Cardiac dysfunction and hypoxia in SGA fetuses Adverse perinatal outcome at term: UtA-PI, CPR and growth Adverse perinatal outcome at term: biomarkers of impaired placentation IPD Meta-analysis of CPR in prediction of adverse perinatal outcome Cortical development in PE and FGR Early FGR: management Late FGR: management 3rd trimester prediction of SGA neonates Panel discussion	Fatima Crispi (Spain) Gerard Albaiges (Spain) Hila De Castro (UK) Ben Mol (Netherlands) Francesca Crovetto (Spain) Christoph Lees (UK) Francesc Figueras (Spain) Kypros Nicolaides (UK)
Lunch break	
Preeclampsia Discussants: Liona Poon, Stefan Verlohren, Kypros Nicolaides Are early PE and early sPTB the same disease? Proteomics, metabolomics and lipidomics in early PE Relation of uterine artery and ophthalmic artery Doppler in PE Maternal congenital heart disease and PE Panel discussion FIGO guidelines for 1st trimester prediction and prevention Appropriate implementation of screening Implementation of screening in Asia Implementation of screening in Spain Implications of new definitions of PE Low-dose aspirin <11 w: meta-analysis Panel discussion	Carl Weiner (USA) Lina Youssef (Spain) Markus Gonser (Germany) Raigam Martinez-Portilla (Spain) Liona Poon (China) David Wright (UK) Liona Poon (China) Mar Gil (Spain) Naila Khan (UK) Piya Chaemsaithong (China)
Coffee break	
2 nd and 3 rd trimester prediction and management Screening in the 2nd trimester Screening in the 3rd trimester sFlt1/PIGF value >655: maternal and perinatal outcomes sFLT and PLGF to predict PE in women with hypertension	Stefan Verlohren (Germany) Magdalena Litwinska (UK) Anca Ciobanu (UK) Cecilia Villalain (Spain) Nikos Kametas (UK)
	CMV infection <14 w: standardized assessment CMV infection: new concepts Questions on management Special topics Discussants: Jon Hyett (Australia), Yves Ville (France) Cesarean section: long term consequences for the child Intrauterine interventions in congenital heart disease Meta-analysis on in utero stem cell transplantation Urogenital defects: postnatal management Fetal growth restriction Discussants: Gerry Visser (Netherlands), Francesc Figueras (Spain) Identification of different phenotypes of FGR Competing risks model for prediction of SGA Fetal growth in IVF/ICSI pregnancies Coffee break Cardiac dysfunction and hypoxia in SGA fetuses Adverse perinatal outcome at term: UtA-PI, CPR and growth Adverse perinatal outcome at term: biomarkers of impaired placentation IPD Meta-analysis of CPR in prediction of adverse perinatal outcome Cortical development in PE and FGR Early FGR: management Early FGR: management Barly FGR: management Barly FGR: management Barly EGR: management Discussants: Liona Poon, Stefan Verlohren, Kypros Nicolaides Are early PE and early sPTB the same disease? Proteomics, metabolomics and lipidomics in early PE Relation of uterine artery and ophthalmic artery Doppler in PE Maternal congenital heart disease and PE Panel discussion FIGO guidelines for 1st trimester prediction and prevention Appropriate implementation of screening in Asia Implementation of screening in Spain Implications of new definitions of PE Low-dose aspirin <11 w: meta-analysis Panel discussion Coffee break 2 rd and 3 rd trimester prediction and management Screening in the 3rd trimester

19:00 - 19:30 New insights into obstetric cholestasis and GDM

18:45 - 19:00 Panel discussion

Catherine Williamson (UK)

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Friday 28th June 2019

09.00 - 13:00 09:00 - 09:12 09:24 - 09:24 09:24 - 09:36 09:36 - 09:46 09:46 - 09:56 10:06 - 10:16 10:06 - 10:10 10:30 - 10:45 10:45 - 11:00	Fetal echocardiography Discussants: John Simpson (UK), Rabih Chaoui (Germany) Core concepts in fetal cardiac function 2D strain, twist and torsion – what is it all about? Functional changes from prenatal to postnatal life 2D strain in coarctation of the aorta What about the third dimension? Fetal cardiac function in disease states 1st trimester vasculature imaging Venous anomalies What's new in STIC imaging? Impact of computerisation / artificial intelligence	Fatima Crispi (Spain) John Simpson (UK) Olga Patey (UK) Trisha Vigneswaran (UK) Christian Ensenzberger (Germany) Marietta Charakida (UK) Vita Zidere (UK) Rabih Chaoui (Germany) Balu Vaidyanathan (India) David Lloyd (UK)
11:00 - 11:30	Coffee break	
11:30 - 12:10 12:10 - 12:17 12:17 - 12:24 12:24 - 12:31 12:31 - 12:38 12:38 - 12:45 12:45 - 12:52 12:52 - 13:00	Presentation of cases Fetal cardiac remodeling and dysfunction in PE and FGR Sirolimus for fetal cardiac rhabdomyoma Longitudinal changes in congenital atrioventricular block Sonopathological correlation of 1st trimester cardiac defects Right ventricular outflow tract anomalies in MC twins 2-year follow up of prenatally diagnosed univentricular heart Early diagnosis of TOF and malalignment VSD	Lina Youssef (Spain) Tim Van Mieghem (Canada) Monica Cruz-Lemini (Mexico) Sudarshan Suresh (India) Stefano Faiola (Italy) Silvia Andres (Argentina) Valentina De Robertis (Italy)
13:00 - 14:30	Lunch break	
14:30 - 17:40 14:30 - 14:42 14:42 - 14:49 14:49 - 14:56 14:56 - 15:03 15:03 - 15:10 15:10 - 15:27 15:27 - 15:37 15:37 - 15:44 15:44 - 15:51 15:51 - 15:58 15:58 - 16:05 16:05 - 16:17 16:17 - 16:27	Screening and diagnosis of aneuploidies Discussants: Francesca Grati, Thomas Musci, Kypros Nicolaides Comprehensive paradigm for prenatal diagnosis New insights into risk of miscarriage after CVS cfDNA for T21, T18, T13: performance of screening in singletons and twins cfDNA for T21 and T18: contingent screening in singletons Evolution in prenatal detection of chromosomal abberations National programme for clinical implementation of screening Effectiveness of prenatal testing for T21 cfDNA test failure in autoimmune diseases cfDNA test in vanishing twin cfDNA test to determine zygocity in twins cfDNA test to determine zygocity in twins cfDNA to DiGeorge: performance of screening Universal cfDNA testing by genome wide approach Arguments against genome wide cfDNA testing	Antoni Borrell (Spain) Francisca Molina (Spain) Mar Gil (Spain) Shelley Dougan (Canada) Pavel Calda (Czechia) Ann Tabor (Denmark) Eugene Pergament (USA) Alexandra Benachi (France) Jacques Jani (Belgium) Peter Benn (USA) Oliver Kagan (Germany) Mireille Bekker (Netherlands) Francesca Grati (Italy)
16:30 - 17:15	Coffee break	

Antoni Borrell (Spain)

Jiri Sonek (USA)

- 17:15 17:22 cfDNA test in early pregnancy losses
- 17:22 17:32 Fetal cells in maternal blood
- 17:32 17:40 Panel discussion

17:40 - 19:30 Fetal ultrasound meets genetics

Presenters: Tessa Homfray (UK), Katia Billardo (Netherlands) Rabih Chaoui (Germany), Oliver Kagan (Germany), Elena Greco (UK)

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KI19190

Saturday 29th June 2019

09.00 - 09:16	First trimester anomaly scan Discussants: Katia Billardo (Netherlands), Jon Hyett (Australia)	
09:00 - 09:06 09:06 - 09:16	Methodological standardization of the 11-13 week scan Performance of routine screening	Nicola Volpe (Italy) Argyro Syngelaki (UK)
09:16 - 09:50	Special lectures Discussants: Katia Billardo (Netherlands), Jon Hyett (Australia)	
09:16 - 09:28 09:28 - 09:38	Birth asphysia and cerebral palsy Maternal mortality across Europe	Gerry Visser (Netherlands) Anca Panaitescu (Romania)
09:38 - 09:50	Management of morbidly adherent placenta	Mohamed Momtaz (Egypt)
09:50 - 10:40	Labor and birth Discussants: Gerry Visser (Netherlands), Jon Hyett (Australia)	
09:50 - 10:00	Macrosomia: adverse perinatal outcome	Ranjit Akolekar (UK)
10:00 - 10:07	Machine learning model for prediction of shoulder dystocia	Abraham Tsur (USA)
10:07 - 10:14	Levator ani co-activation in the active second stage of labor	Rasha Kamel (Egypt)
10:14 - 10:21	Cervical shear wave elastography: prediction of outcome in labor induction	Tak Yeung Leung (China)
10:21 - 10:28	Prediction of placenta previa at the 20 week scan	Charlotte Jansen (Netherlands)
10:28 - 10:40	Re-engineering the interpretation of fetal monitoring	Mark Evans (USA)
10:40 - 11:00	Obesity and diabetes Discussants: Gerry Visser (Netherlands), Jon Hyett (Australia)	
10:40 - 10:47	The Impact of maternal obesity on gestation-specific risk of stillbirth	Naila Ramji (Canada)
10:47 - 10:54	Does bariatric surgery change pregnancy outcome?	Alexandra Matias (Portugal)
10:54 - 11:01	Prediction of the need for insulin treatment in gestational diabetes mellitus	Makarios Eleftheriades (Greece)
11:00 - 11:30	Coffee break	
11.20 12.00	Newsel	
11:30 - 13:00	Neurosonography Discussants: Magdalena Sanz (USA), Elisenda Eixarch (Spain)	
11:30 - 11:37	Isolated non-severe ventriculomegaly: neurodevelopment	Nadine Hahner (Spain)
11:37 - 11:44	Routine assessment of proximal hemisphere	Lorena Hormazabal (Chile)
11:44 - 11:56	Consequences of short corpus callosum	Eldad Katorza (Israel)
11:56 - 12:03	Corpus callosum in congenital heart defects	Miriam Pérez-Cruz (Spain)
12:03 - 12:15	Panel discussion	
12:15 - 12:35	Sonographic visualization of the optic chiasm	Guillermo Azumendi (Spain)
12:35 - 13:00	Presentation of diagnostic challenges	Ritsuko Pooh (Japan)

13:00 - 14:30 Lunch break



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