

21st WORLD CONGRESS IN FETAL MEDICINE

Lisbon, Portugal, 23-27 June 2024

Sunday 23rd June 2024: Joint session with Eurofoetus		
08:00 - 09:00	Registration	
09:00 - 09:05	Welcome	Kypros Nicolaides (UK)
09:05 - 11:10	Fetal spina bifida repair	
	Discussants: Jan Deprest (Belgium), Greg Ryan (Canada)	
09:05 - 09:15	MOMS cohorts: outcomes and their prenatal predictors	Diana Farmer (USA)
09:15 - 09:25	The NAFTA.NET registry	Anthony Johnson (USA)
09:25 - 09:35	Mini-laparotomy assisted repair	Ramen Chmait (USA)
09:35 - 09:45	Risk factors for prematurity and uterine dehiscence	Jan Deprest (Belgium)
09:45 - 09:55	Discussion	
09:55 - 10:10	Selection of candidates for repair based on US and MRI	Magdalena Sanz-Cortes (USA)
10:10 - 10:20	Parental decisions following assessment in fetal surgery	Emma van den Eede (Belgium)
10:20 - 10:30	Biocellulose based repair	Denise Lapa (Brazil)
10:30 - 10:40	Use of stem cell seeded patches	Diana Farmer (USA)
10:40 - 10:50	Outcome of fetal limited dorsal myeloschisis (LDM)	Jean-Marie Jouannic (France)
10:50 - 11:00	MRI prediction of ambulation, bladder function, sensorial level	Romain Corroenne (USA)
11:00 - 11:10	Neurosurgical outcomes of fetoscopic repair of open spina bifida	Nerea Maiz (Spain)
11:10 - 11:45	Coffee break	
11:45 - 13:00	Special lectures	
	Discussants: Jan Deprest (Belgium), Alexandra Benachi (France)	
11:45 - 12:00	In utero enzyme, gene and cell therapy	Tippi MacKenzie (USA)
12:00 - 12:15	In utero gene therapy for hemophilia	Graca Almeida-Porada (USA)
12:15 - 12:30	In utero gene therapy for sickle cell disease	Panicos Shangaris (UK)
12:30 - 12:45	Fetal medical treatment for Down Syndrome	Diana Bianchi (USA)
12:45 - 13:00	The mortality of politics	Mark Evans (USA)
13:00 - 14:00	Lunch break	
14:00 - 15:30	Controversies in fetal surgery	
	Discussants: Yves Ville (France), Anthony Johnson (USA)	
14:00 - 14:45	Brain and spine	
14:00 - 14:10	Third ventriculostomy for hydrocephalus	Fabio Peralta (Brazil)
14:10 - 14:20	Systematic review of surgical interventions for fetal hydrocephalus	Anthony Hart (UK)
14:20 - 14:30	Surgery for encephalocele	Sergio Cavalheiro (Brazil)
14:30 - 14:45	Discussion	William Whitehead (USA)
14:45 - 15:30	Gastroschisis and exomphalos	
14:45 - 14:55	Experimental evidence of bowel rescue in the fetal lamb	Tomohiro Arai (Japan & Belgium)
14:55 - 15:05	Clinical experience with fetal surgery	Michael Belfort (USA)
15:05 - 15:15	Fetal botulinum toxin injection for giant omphalocele	Miguel Parra Saavedra (Colombia)
15:15 - 15:30	Discussion	
15:30 - 17:00	Special lectures	
15:30 - 15:45	Managing critically ill pregnant patients	Amir Shamshirsaz (USA)
15:45 - 16:00	Fetal intervention for HLHS with restrictive atrial septum	Shaine Morriss (USA)
16:00 - 16:30	Coffee break	
16:30 - 16:45	Fetal organoids - prediction model for pulmonary hypoplasia	Paolo De Coppi (UK)
16:45 - 16:55	Kidney and lung organoids from cells in amniotic fluid	Oren Pleniceanu (Israel)
16:55 - 17:00	Discussion	
17:00 - 18:50	Congenital diaphragmatic hernia	
	Discussants: Alexandra Benachi (France), Jan Deprest (Belgium)	
17:00 - 17:10	Fetal treatment - overview	Jan Deprest (Belgium)

17:10 - 17:20	Whole exome sequencing for CDH	Philip DeKonick (Netherlands)
17:20 - 17:32	Prediction of PRROM in FETO for CDH	Alexandra Benachi (France)
17:32 - 17:44	Fetal lung MRI and lung function	Lisa Story (UK)
17:44 - 17:56	Long term neurocognitive outcome	Enrico Danzer (USA)
17:56 - 18:08	Fetal heart in CDH	Daniela Laux (France)
18:08 - 18:20	Relationship of neonatal management with early morbidity	Dick Tibboel (Netherlands)
18:20 - 18:32	An update on smart tracheal occlusion	Francesca Russo (Belgium)
18:32 - 18:50	Discussion	
20:00 - 24:00	Welcome reception	

Monday 24th June 2024: Joint session with Eurofoetus		
09:00 - 13:10	Monochorionic twin complications	
	Discussants: Yves Ville (France), Liesbeth Lewi (Belgium)	
09:00 - 09:10	TTTS and TAPS	Yves Ville (France)
09:10 - 09:20	TTTS in triplets and quadruplets	Kurt Hecher (Germany)
09:20 - 09:30	TTTSor not?	Greg Ryan (Canada)
09:30 - 09:40	What to look for after fetoscopic laser surgery for TTTS	Anthony Johnson (USA)
09:40 - 09:50	RCT: selective vs. sequential laser separation in TTTS	Ramen Chmait (USA)
09:50 - 10:00	Laparotomy-assisted fetoscopic laser surgery for TTTS and TAPS	Jose Peiro (USA)
10:00 - 10:10	The hepatic arterial buffer response in TTTS	Jader Cruz (Portugal)
10:10 - 10:45	Discussion	
10:45 - 11:00	Simulation training for fetoscopic laser surgery in TTTS	Rogelio Cruz-Martinez (Mexico)
11:00 - 11:30	Coffee break	
11:30 - 11:40	Rarities in MC twin pregnancies	Liesbeth Lewi (Belgium)
11:40 - 11:50	Diagnosis and outcome of spontaneous TAPS	Eva Bosmans (Belgium)
11:50 - 12:00	Umbilical cord insertions in sFGR	Enrico Lopriore (Netherlands)
12:00 - 12:10	Discussion	
12:10 - 12:20	Microwave ablation for selective reduction in complicated MC twins	Mara Rosner (USA)
12:20 - 12:40	Brain anomalies in complicated MC twins	Yoav Yinon (Israel)
		Shiri Shinar (Canada)
12:40 - 12:50	Management of monoamniotic twins	Lennart Van der Veken (Canada)
12:50 - 13:00	Fetoscopic ablation therapy for vasa previa types II and III	Ramen Chmait (USA)
13:00 - 13:10	Discussion	
13:10 - 14:30	Lunch break	
14:30 - 15:20	Fetal shunts	
	Discussants: Greg Ryan (Canada), Kypros Nicolaidis (UK)	
14:30 - 14:40	Global registry on complications after shunting for hydrothorax	Monique Haak (Netherlands)
14:40 - 14:50	Natural history of megacystis	Federica Fontanella (Netherlands)
14:50 - 15:00	The Somatex shunt	Christoph Berg (Germany)
15:00 - 15:10	Causes of megacystis in 1 st trimester shunted fetuses	Eva Christin Weber (Germany)
15:10 - 15:20	Novel shunt with valve	Enrico Danzer (USA)
15:20 - 16:00	Special lectures	
15:20 - 15:30	Fetal resuscitation during cardiac procedures	Shaine Morriss (USA)
15:30 - 15:40	Nipocalimab in red cell isoimmunization: phase III study	Mark Kilby (UK)
15:40 - 15:50	Sirolimus for fetal lymphatic malformations	Magdalena Sanz-Cortes (USA)
15:50 - 16:00	Artificial placenta: brain oxygenation and hemodynamic status	Daniel Sanin-Ramirez (Spain)
16:00 - 16:30	Coffee break	
16:30 - 19:00	Neurosonography	
	Discussants: Magdalena Sanz-Cortes (USA), Dario Paladini (Italy), Gustavo Mallinger (Israel)	
16:30 - 16:45	Genetic basis of fetal brain abnormalities	Tessa Homfray (UK)
16:45 - 17:00	Timing of fetal brain examination: 11-13 or 14-17 weeks	Gustavo Mallinger (Israel)
17:00 - 17:15	Coronal view of the brain in the 2nd and 3rd trimester	Rabih Chaoui (Germany)
17:15 - 17:30	Fetal CNS: lessons from daily practice	Guillermo Azumendi (Spain)
17:30 - 17:45	The syndromic brain	Dario Paladini (Italy)
17:45 - 18:00	Mystery of molar tooth sign in Joubert's syndrome	Ritsuko Pooh (Japan)
18:00 - 18:15	RASopathies revisited	Karina Haratz (Israel)
18:15 - 18:25	Subarachnoid space in macro- and microcephaly	Eldad Katorza (Israel)
18:25 - 18:35	'Seagull sign' and thinned subplate in Down syndrome	Wirada Dulyaphat (Thailand)
18:35 - 18:45	Cortical brain morphometry in adults born-FGR	Elisenda Eixarch (Spain)
18:45 - 19:00	Discussion	

Tuesday 25th June 2024

09:00 - 12:40	Fetal growth restriction	
	Discussants: Christoph Lees (UK), Raffaele Napolitano (UK), Ioannis Papastefanou (Greece)	
09:00 - 09:12	Genetic issues	Antoni Borrell (Spain)
09:12 - 09:24	Birth weight influences cardiac structure, function, and disease risk	Maddalena Ardissino (UK)
09:24 - 09:30	Discussion	
09:30 - 09:42	Individualized pathway of care	Ioannis Papastefanou (Greece)
09:42 - 09:54	Timing of delivery	Christoph Lees (UK)
09:54 - 10:00	Discussion	
10:00 - 10:10	RCT: Term delivery based on FGR +/- CPR (RATIO37)	Marta Rial Crestelo (Spain)
10:10 - 10:20	Angiogenic factors versus Doppler in term FGR and SGA	Manel Mendoza (Spain)
10:20 - 10:30	Angiogenic factors and increasing severity of FGR	Lina Youssef (Spain)
10:30 - 10:40	Cerebroplacental ratio at 36 weeks	Ranjit Akolekar (UK)
10:40 - 10:50	Late FGR: Ultrasound predictors of adverse neonatal outcomes	Raffaele Napolitano (UK)
10:50 - 11:00	Discussion	
11:00 - 11:30	Coffee break	
11:30 - 12:00	Cases based discussion	Raffaele Napolitano (UK)
12:00 - 12:10	FGR: cardiac remodeling and exercise tolerance in adolescence	Romy Novoa (Spain)
12:10 - 12:20	Growth trajectories in twins	Hamutal Meiri (Israel)
12:20 - 12:30	Use of the FMF chart for twins in the prediction of stillbirth	Steffen Kristensen (Denmark)
12:30 - 12:40	Discussion	
12:40 - 13:10	Special lectures	
12:40 - 12:55	Non-reportable cfDNA results: what is the risk of maternal cancer?	Diana Bianchi (USA)
12:55 - 13:10	The need to reduce uncertainty in medicine	Ben Mol (Australia)
13:10 - 14:30	Lunch break	
14:30 - 16:20	Preterm birth	
	Discussants: Kypros Nicolaides (UK), Steve Thornton (UK)	
14:30 - 14:42	RCT: pessary vs cerclage to prevent recurrent preterm birth	Annabelle van Gils (Netherlands)
14:42 - 14:54	RCT: cerclage for short cervix in twins	Ben Mol (Australia)
14:54 - 15:06	RCT: pessary vs progesterone for short cervix in multiples	Charlotte van Dijk (Netherlands)
15:06 - 15:20	Discussion	
15:20 - 15:32	RCT: docosahexaenoic acid supplementation in pregnancy	Carl Weiner (USA)
15:32 - 15:42	PPROM managed according to amniotic fluid analysis	Teresa Cobo (Spain)
15:42 - 15:52	Placental multimodal MRI prior to preterm birth	Megan Hall (UK)
15:52 - 16:02	Machine learning to predict imminent birth	Gal Cohen (Israel)
16:02 - 16:12	QUIPP app for prediction of PTB in asymptomatic high-risk women	Lyndsay Creswell (Ireland)
16:12 - 16:20	Discussion	
16:20 - 17:00	Coffee break	
17:00 - 19:10	Fetal cardiology	
	Discussants: Rabih Chaoui (Germany), Julene Carvalho (UK)	
17:00 - 17:15	Genetic basis of fetal cardiac abnormalities	Tessa Homfray (UK)
17:15 - 17:25	CHD: incremental diagnostic yield with prenatal exome sequencing	Kelly Reilly (N Ireland)
17:25 - 17:45	Fetal echo: moving from the 2nd to the 1st Trimester	Rabih Chaoui (Germany)
17:45 - 17:55	Ebstein's anomaly and tricuspid valve dysplasia	Roland Axt-Fliedner (Germany)
17:55 - 18:25	Presentation of cases	Julene Carvalho (UK)
18:25 - 18:35	1st trimester color Doppler patterns in congenital heart defects	Valentina De Robertis (Italy)
18:35 - 18:45	Biventricular dysfunction in Tetralogy of Fallot	Fatima Crispi (Spain)
18:45 - 18:55	Nationwide study on prenatal detection and outcome of CHD	Cathrine Vedel (Denmark)
18:55 - 19:10	Discussion	

Wednesday 26th June 2024		
09:00 - 11:10	Fetal ultrasound meets genetics	
	Discussants: Oliver Kagan (Germany), Tessa Homfray (UK)	
09:00 - 09:10	cfDNA test in dichorionic twin and vanishing twin pregnancies	Jacintha van Eekhout (Netherlands)
09:10 - 09:20	cfDNA test in triplet pregnancies	Alexandre Vivanti (France)
09:20 - 09:30	Uterine fibroids and cfDNA screening failure	Daniel Rolnik (Australia)
09:30 - 09:45	Presentation of cases	Oliver Kagan (Germany)
09:45 - 09:55	Circulating extravillous trophoblasts sequencing for pCNV screening	Francesca Romana Grati (Italy)
09:55 - 10:05	Genomic testing for genetic disease in structurally "normal" fetus & neonate	Mark Kilby (UK)
10:05 - 10:15	Robertsonian translocations	Peter Benn (USA)
10:15 - 10:25	Should patients carrying T21 fetuses be managed with Dopplers?	Angela Ranzini (USA)
10:25 - 10:35	Detection of fetal anomalies by 1st trimester scan in the Czech Republic	Pavel Calda (Czech Republic)
10:35 - 10:45	High NT and normal chromosomal microarray	Kasper Gadsbøll (Denmark)
10:45 - 10:55	Residual risks for chromosomal aberrations in patients with normal cfDNA test	Sophie Ottema (Netherlands)
10:55 - 11:10	Discussion	
11:10 - 11:40	Coffee break	
11:40 - 13:00	Topics in maternal – fetal medicine	
	Discussants: Catherine Williamson (UK), Roland Devlieger (Belgium)	
11:40 - 11:52	Obesity	Roland Devlieger (Belgium)
11:52 - 12:04	New bile acid therapies	Catherine Williamson (UK)
12:04 - 12:16	Hyperemesis gravidarum	Melanie Nana (UK)
12:16 - 12:26	Assessment of liver steatosis and fibrosis	Luiza Manna (UK)
12:26 - 12:36	Postnatal assessment of women with gestational diabetes	Mairead Hamill (UK)
12:36 - 12:48	Physical activity during pregnancy and perinatal mental health	Maia Brik (Spain)
12:48 - 13:00	Discussion	
13:00 - 14:00	Lunch break	
14:00 - 15:00	Maternal hemodynamics	
	Discussants: Herbert Valensise (Italy), Marietta Charakida (UK), Basky Thialaganathan (UK)	
14:00 - 14:15	The cardio-fetal-placental unit in fetal growth restriction	Herbert Valensise (Italy)
14:15 - 14:30	Maternal hemodynamics in PE and GDM	Marietta Charakida (UK)
14:30 - 14:40	Prediction of PE by maternal cardiovascular hemodynamics at 12-16 weeks	Lo Wong (Hong Kong)
14:40 - 14:50	Cerebral Doppler: signs of maternal and fetal vasoconstriction	Markus Gonser (Switzerland)
14:50 - 15:00	Discussion	
15:00 - 19:10	Preeclampsia	
	Discussants: Liona Poon (Hong Kong), Laura Magee (UK), Peter von Dadelszen (UK)	
15:00 - 15:12	Genetic contribution to prediction of PE	Antonio de Marvao (UK)
15:12 - 15:24	Cell-free DNA methylome analysis for prediction of early PE	Lore Lannoo (Belgium)
15:24 - 15:36	RCT: beetroot in the prevention of PE	Nicos Kametas (UK)
15:36 - 15:48	RCT: Mediterranean diet in the prevention of PE	Francesca Crovetto (Spain)
15:48 - 16:00	RCT: optimal timing of birth in chronic or gestational hypertension at term	Laura Magee (UK)
16:00 - 16:30	Coffee break	
16:30 - 16:42	Prediction of adverse outcomes by remote blood pressure monitoring	Stefan Verlohren (Germany)
16:42 - 16:54	How to improve maternal health following preeclampsia	Basky Thilaganathan (UK)
16:54 - 17:06	Preeclampsia - solutions from sleeping sickness	Kate Bramham (UK)
17:06 - 17:16	Maternal calcium intake and preeclampsia	Anastasija Arechvo (UK)
17:16 - 17:30	Discussion	
17:30 - 17:40	Implementation of first trimester screening and prevention in Asia	Liona Poon (Hong Kong)
17:40 - 17:50	Implementation of first trimester screening and prevention in Spain	Mar Gil (Spain)
17:50 - 18:00	Protocol for RCT on PE prevention in Denmark	Iben Riishede (Denmark)
18:00 - 18:12	Study design using discrete event simulation	David Wright (UK)
18:12 - 18:22	Postpartum hemorrhage in patients on ASA 162 mg/d for PE prevention	Ana Werlang (Canada)
18:22 - 18:32	Low fetal fraction of cfDNA testing and adverse pregnancy outcome	Ellis Becking (Netherlands)

18:32 - 18:42	Ophthalmic artery Doppler in twin pregnancies	Petya Chaveeva (Bulgaria)
18:42 - 18:52	Aspirin dose and development of PE in twin pregnancy	Pierpaolo Zorzato (Belgium)
18:52 - 19:10	Discussion	

Thursday 27th June 2024		
09:00 - 10:20	Labor and delivery	
	Discussants: Emmanuel Bujold (Canada), Tullio Ghi (Italy)	
09:00 - 09:10	Lower uterine segment thickness to predict uterine rupture	Emmanuel Bujold (Canada)
09:10 - 09:20	MRI for reduction of macrosomia-related birth complications	Caroline Kadji (Belgium)
09:20 - 09:30	Fetal cardiac function in early labor	Andrea Dall'Asta (Italy)
09:30 - 09:40	Cervical length prior to spontaneous labor at term	Piya Chaemsaihong (Thailand)
09:40 - 09:50	Placental abruption	Offer Erez (Israel)
09:50 - 10:05	Role of the pelvic floor in vaginal delivery	Aly Youssef (Italy)
10:05 - 10:20	Ultrasound to improve safety of difficult operative vaginal delivery	Tullio Ghi (Italy)
10:20 - 11:00	Congenital infections	
	Discussant: Yves Ville (France)	
10:20 - 10:40	Update on congenital infections	Yves Ville (France)
10:40 - 10:50	cfDNA testing of maternal blood for CMV	Nicolas Bourgon (France)
10:50 - 11:00	Effects of maternal syphilis on the fetus	Edgar Hernandez Andrade (USA)
11:00 - 11:30	Coffee break	
11:30 - 12:15	Special lectures	
11:30 - 11:45	Saving money costs too much	Mark Evans (USA)
11:45 - 12:05	Communication in Fetal Medicine	Elena Greco (UK)
		Ioannis Karapanos (UK)
		Jane Fisher (UK)
12:05 - 12:15	Palliative care in Fetal Medicine	Surabhi Nanda (UK)
12:15 - 13:00	The 36 weeks scan	
	Discussant: Kypros Nicolaides (UK)	
12:15 - 12:25	Diagnosis of fetal abnormalities	Argyro Syngelaki (UK)
12:25 - 12:35	Diagnosis and outcome of abnormal presentation	Marina Fitiri (UK)
12:35 - 12:45	Assessment of fetal growth	Stephen Adjahou (UK)
12:45 - 13:00	Prediction and prevention of term PE	Kypros Nicolaides (UK)
13:00 - 14:30	Lunch break	