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1. More than 1,000,000 tests performed and available in more than 100 countries and territories worldwide. Data on file.
2. Stokowski et al. Prenat Diagn. 2015 Oct; DOI: 10.1002/pd.4688

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16TH WORLD CONGRESS IN FETAL MEDICINE

Sunday 25th June 2017

Joint session with Eurofoetus

09:10 - 11:00	Lung abnormalities
11:00 - 11:30	Coffee break
11:30 - 12:40	Brain abnormalities
12:40 - 13:00	The artificial placenta
13:00 - 14:30	Lunch Break
14:30 - 16:15	Open spina bifida
16:15 - 17:00	Fetal anemia
17:00 - 18:00	Coffee break
18:00 - 20:00	Fetal growth restriction

Monday 26th June 2017

Joint session with Eurofoetus

09:00 - 09:40	Placental abnormalities
09:40 - 11:00	Complications in twins
11:00 - 11:30	Coffee break
11:30 - 12:45	Complications in twins
12:45 - 13:00	Long term outcome in complicated MC twins
13:00 - 14:30	Lunch Break
14:30 - 15:00	Lower urinary tract obstruction
15:00 - 17:00	Screening and diagnosis of chromosomal abnormalities
17:00 - 18:00	Coffee break
18:00 - 18:10	Fetal cells in maternal blood
18:10 - 20:00	Clinical genetics and fetal medicine

Tuesday 27th June 2017

09:00 - 11:00	Prediction and prevention of preterm birth
11:00 - 11:30	Coffee break
11:30 - 13:00	Congenital heart defects
13:00 - 14:30	Lunch Break
14:30 - 16:20	Congenital heart defects
16:20 - 16:30	Fetal bowel dilation
16:30 - 17:30	Coffee break
17:30 - 19:00	First trimester scan

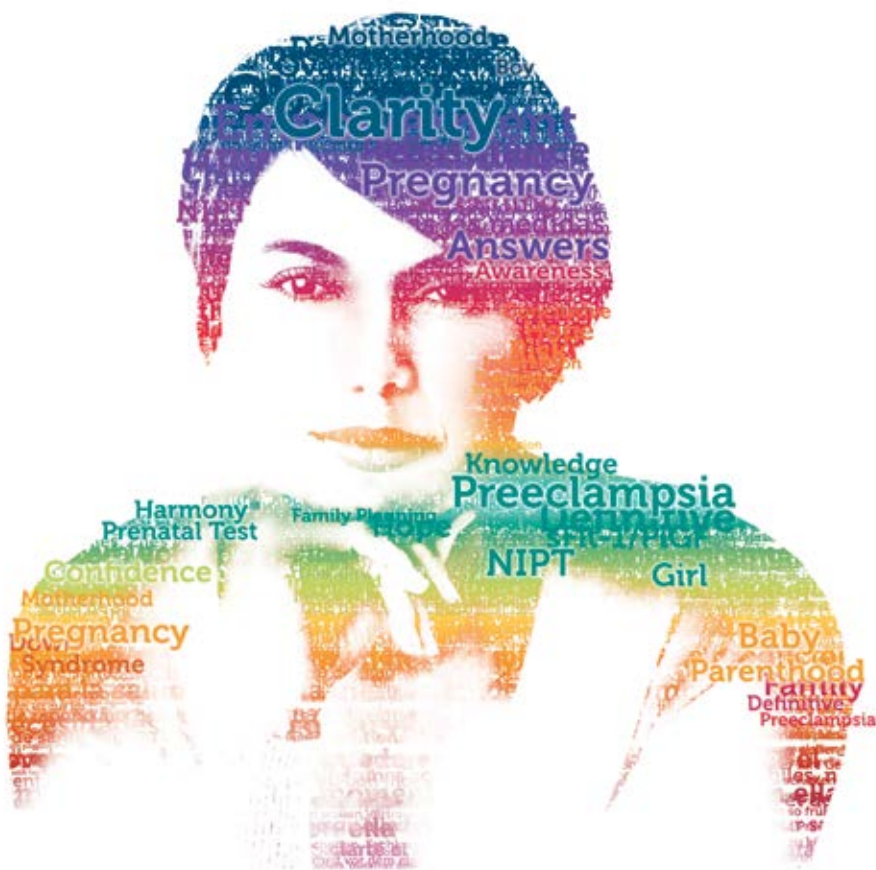
Wednesday 28th June 2017

10:00 - 11:00	Prediction of preeclampsia
11:00 - 11:30	Coffee break
11:30 - 13:00	Prediction of preeclampsia
13:00 - 14:30	Lunch Break
14:30 - 16:30	Prevention of preeclampsia
16:30 - 16:45	Early screening tests – effect on healthcare costs
16:45 - 17:00	Intrapartum mortality and severe asphyxia

Thursday 29th June 2017

09:00 - 11:00	Maternal fetal disease
11:00 - 11:30	Coffee break
11:30 - 13:00	Labor and delivery
13:00 - 14:30	Lunch Break

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Sunday 25th June 2017: Joint session with Eurofoetus

08:00 - 09:00 Registration

09:00 - 09:10	Welcome	Kypros Nicolaides (UK)
09:10 - 11:00	Lung abnormalities Discussants: Jan Deprest (Belgium), Greg Ryan (Canada)	
09:10 - 09:25	CDH: natural history	Greg Ryan (Canada)
09:25 - 09:32	CDH: stomach in contact with the bladder	Cesar Meller (Argentina)
09:32 - 09:39	CDH: prenatal prediction of outcome by LHR in the USA	Anthony Johnson (USA)
09:39 - 09:46	CDH: prenatal prediction of pulmonary hypertension	Francesca Russo (Belgium)
09:46 - 09:53	CDH: prenatal prediction of morbidity in first 8 years of life	Patrice Eastwood (Belgium)
09:53 - 10:03	CDH: TOTAL trial	Jan Deprest (Belgium)
10:03 - 10:10	CDH: prenatal removal of the balloon after FETO	Jan Deprest (Belgium)
10:10 - 10:17	CDH: trans-placental sildenafil as an adjunct to FETO	Francesca Russo (Belgium)
10:17 - 10:24	CDH: Extracellular vesicles in the tracheal fluid after FETO	Nicola Persico (Italy)
10:24 - 10:34	Bronchopulmonary sequestration: intrafetal laser	Rogelio Cruz- Martinez (Mexico)
10:34 - 10:41	Bronchopulmonary sequestration: intrafetal laser	Brigitte Strizek (Germany)
10:41 - 10:48	Use of new intrauterine shunt	Lone Nikoline Nørgaard (Denmark)
10:48 - 11:00	Discussion	

11:00 - 11:30 Coffee break

11:30 - 12:40	Brain abnormalities Discussant: Yves Ville (France), Elisenda Eixarch (Spain)	
11:30 - 11:45	Ventriculomegaly: natural history	Dominic Thompson (UK)
11:45 - 12:00	Ventriculomegaly: prenatal diagnosis and management	Elisenda Eixarch (Spain)
12:00 - 12:10	Ventriculomegaly: prenatal assessment and outcome	Eldad Katorza (Israel)
12:10 - 12:17	Ventriculomegaly: in utero ventriculostomy	Yves Ville (France)
12:17 - 12:24	Mnemonic aid in assessment of anterior complex	Angela Ranzini (USA)
12:24 - 12:40	Special findings in neurosonography	Ritsuko Pooh (Japan)
12:40 - 13:00	The artificial placenta	Alan Flake (USA)

13:00 - 14:30 Lunch break

14:30 - 16:15	Open spina bifida Discussants: Jan Deprest (Belgium), Dominic Thompson (UK)	
14:30 - 14:45	OSB: neurosurgical goals of spina bifida repair	Dominic Thompson (UK)
14:45 - 14:53	OSB: need for leak-proof repair	Luc Joyeux (Belgium)
14:53 - 15:00	OSB: Swiss experience with open fetal surgery	Martin Meuli (Switzerland)
15:00 - 15:07	OSB: prenatal prediction of postnatal shunting after fetal surgery	Ladina Vonzun (Switzerland)
15:07 - 15:17	OSB: long term outcome after open fetal surgery	Alan Flake (USA)
15:17 - 15:27	OSB: perinatal and motor outcome after fetoscopic surgery	Denise Pedreira (Brazil)
15:27 - 15:37	OSB: outcome after fetoscopic surgery	Michael Belfort (USA)
15:37 - 15:44	OSB: cerebellar Doppler velocimetry in fetal rats	Enrique Gil Guevara (USA)
15:44 - 16:01	OSB: distinction from limited dorsal myeloschisis	Jean-Marie Jouannic (France)
16:01 - 16:08	OSB: Ultrasound based 3D model printing for training purposes	Ahmet Baschat (USA)
16:08 - 16:15	Discussion	
16:15 - 17:00	Fetal anemia Discussant: Kypros Nicolaides (UK)	
16:15 - 16:20	Background to treatment	Kypros Nicolaides (UK)
16:20 - 16:27	Postponing early fetal transfusion with IVIG	Carolien Zwieters (Netherlands)
16:27 - 16:34	MRI of umbilical vein in prediction of fetal anemia	Ditte Jørgensen (Denmark)
16:34 - 16:41	Timing for sequential intrauterine transfusion	Jesus Rodriguez Calvo (Spain)
16:41 - 17:00	Discussion	

17:00 - 18:00 Coffee break

18:00 - 20:00	Fetal Growth Restriction Discussants: Gerry Visser (Netherlands), Zarko Alfirevic (UK)	
18:00 - 18:10	Fetal growth charts: WHO	Kurt Hecher (Germany)
18:10 - 18:20	Fetal growth charts: which ones to use	Gerry Visser (Netherlands)
18:20 - 18:35	Assessment of fetal growth by MRI	Jacques Jani (Belgium)
18:35 - 18:45	FGR: cause of disease in adulthood	Gerry Visser (Netherlands)
18:45 - 18:52	FGR: relation to renal dysfunction in adulthood	Janaina Senra (Brazil)
18:52 - 19:00	FGR: volumetric MRI of fetal brain	Eldad Katorza (Israel)
19:00 - 19:07	FGR: screening by 1st trimester growth	Mauro Parra-Cordero (Chile)
19:07 - 19:14	Early FGR: effect of pravastatin on fetal and uterine Doppler	Stamatios Petousis (Greece)
19:14 - 19:30	Early FGR: RCT on sildenafil therapy	Zarko Alfirevic (UK)
19:30 - 19:45	Early FGR: management	Ahmet Baschat (USA)
19:45 - 20:00	Discussion	

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- Securely connect and share ultrasound findings with patients and colleagues
- Simplify the exam process with Voluson and ViewPoint™ integration



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Monday 26th June 2017: Joint session with Eurofoetus

09:00 - 09:40

Placental abnormalities

Discussants: Jan Deprest (Belgium), Michael Belfort (USA)
Placenta accreta: screening by ultrasound at 11-13 weeks
Placenta accreta: medical and surgical treatment
Vasa previa

Jeni Panaiotova (UK)
Michael Belfort (USA)
George Attilakos (UK)

09:40 - 12:45

Complications in twins

Discussants: Yves Ville (France), Liesbeth Lewi (Belgium)
Video demonstration: training for fetoscopic laser surgery
Video demonstration: placental perfusion studies
TTTS: prediction from site of placental cord insertion
MC twins: significance of placental cord insertion
TAPS: quantification of discordant placental echogenicity
TAPS: management
sFGR: definition and outcome
sFGR: placental microRNA 199a
Discussion

Roland Devlieger (Belgium)
Liesbeth Lewi (Belgium)
Nada Mourad Tawfik (Belgium)
Asma Khalil (UK)
Christian Bamberg (Germany)
Yves Ville (France)
Asma Khalil (UK)
Tak Yeung Leung (Hong Kong)

11:00 - 11:30

Coffee break

11:30 - 11:37
11:37 - 11:44
11:44 - 11:51
11:51 - 11:58
11:58 - 12:05
12:05 - 12:12
12:12 - 12:19
12:19 - 12:26
12:26 - 12:33
12:33 - 12:45

ROM after fetoscopy: predictors
ROM after fetoscopy at <26 w: predictors of outcome
DC twins: outcome after PROM in one sac at <20 w
Short cervix at laser therapy: cerclage
Short cervix at laser therapy: pessary
Selective fetocide in MC twins: radiofrequency
Selective fetocide in MC twins: bipolar coagulation
Dichorionic triplets: management options
MC twins: MCA PSV in survivor after selective cord occlusion
Discussion

Yves Ville (France)
Alexander Engels (Belgium)
Shlomo Lipitz (Israel)
Anthony Johnson (USA)
Elena Carreras (Spain)
Greg Ryan (Canada)
Kurt Hecher (Germany)
Petya Chaveeva (Bulgaria)
Katrine Vasehus Schou (Denmark)

12:45 - 13:00

Long term outcome in complicated MC twins

Enrico Lopriore (Netherlands)

13:00 - 14:30

Lunch break

14:30 - 15:00

Lower urinary tract obstruction

Discussants: Jan Deprest (Belgium), Greg Ryan (Canada)

14:30 - 14:45
14:45 - 14:52
14:52 - 14:59

Fetal surgery
Fetal cystoscopy
Urethroplasty with a coronary angioplasty balloon catheter

Greg Ryan (Canada)
Yves Ville (France)
Marzena Debska (Poland)

15:00 - 17:00

Screening and diagnosis of chromosomal abnormalities

Discussants: Kypros Nicolaides (UK), Mark Evans (USA)

15:00 - 15:10
15:10 - 15:20
15:20 - 15:27

Introduction
Invasive testing for all pregnancies
cfDNA: meta-analysis on performance of screening

Kypros Nicolaides (UK)
Mark Evans (USA)
Mar Gil (Spain)

15:27 - 15:34
15:34 - 15:41
15:41 - 15:51
15:51 - 16:00
16:00 - 16:07
16:07 - 16:14
16:14 - 16:21

cfDNA: test failure
 importance of measuring fetal fraction
 implication of failed result due to low fetal fraction
 accounting for and reducing test failures
Discussion
RCT: 1st trimester combined test vs. ultrasound and cfDNA
cfDNA: screening strategies
cfDNA: effect on detected major chromosomal aberrations

Maximilian Schmid (Austria)
Peter Benn (USA)
Howard Cuckle (Israel)

Oliver Kagan (Germany)
Francesca Grati (Italy)
Pavel Calda (Czechia)

16:21 - 16:28
16:28 - 16:35
16:35 - 16:42
16:42 - 17:00

cfDNA: screening beyond trisomies 21, 18, 13
 sex chromosome aneuploidies
 rare autosomal trisomies
 diagnosis of spinal muscular atrophy
Discussion

Francesca Grati (Italy)
Peter Benn (USA)
Min Chen (China)

17:00 - 18:00

Coffee break

18:00 - 18:10

Fetal cells in maternal blood

Mark Evans (USA)

18:10 - 20:00

Clinical genetics and fetal medicine

Discussants: Tessa Homfray (UK), Rabih Chaoui (Germany)

18:10 - 18:20
18:20 - 18:27
18:27 - 18:34
18:34 - 18:41
18:41 - 19:10
19:10 - 19:20
19:20 - 19:45
19:45 - 20:00

Introduction
Whole genome sequencing: detection of pathogenic CNVs
Whole exome sequencing: fetal brain defects
Whole exome sequencing: fetal akinesia syndrome
Presentation of cases
Guidance from an anomaly to a syndrome by GPS
Ultrasound diagnosis of genetic syndromes
Discussion

Tessa Homfray (UK)
Richard Choy (Hong Kong)
Liran Hirsch (Israel)
Theresa Reischer (Austria)
Tessa Homfray (UK)
Julien Stirnemann (France)
Rabih Chaoui (Germany)

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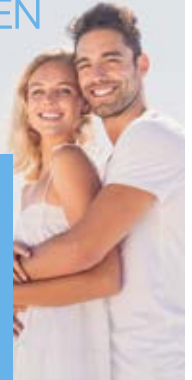
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Tuesday 27th June 2017

09:00 - 11:00

Prediction and prevention of preterm birth

Discussants: Robert Romero (USA), Zarko Alfrevic (UK)

09:00 - 09:07

Spontaneous preterm birth in IVF pregnancies: meta-analysis

Paolo Cavoretto (Italy)

09:07 - 09:14

Relation between vaginal microbiome and amniotic fluid 'sludge'

Alan Hatanaka (Brazil)

09:14 - 09:21

Need for amniocentesis prior to cerclage

Jiri Vojtech (Czechia)

09:21 - 09:28

Usefulness of antenatal corticosteroids

Gerry Visser (Netherlands)

09:28 - 09:35

Preterm labor arrest: meta-analysis on maintenance tocolysis

Alexandros Sotiriadis (Greece)

09:35 - 09:40

Discussion

09:40 - 09:47

PPROM at <24w: expectant management

Oliver Kagan (Germany)

09:47 - 09:54

PPROM at 16-24w: PPROMEXIL-III trial on amnioinfusion

Annemijn de Ruigh (Netherlands)

09:54 - 10:01

PPROM at 34-36w: IPD meta-analysis on early delivery

Annemijn de Ruigh (Netherlands)

10:01 - 10:08

PPROM: discussion

10:08 - 10:15

Cervix <15 mm: Cerclage vs.vaginal progesterone

Athena Souka (Greece)

10:15 - 10:25

Cervix <25 mm: PESAPRO trial of cervical pessary vs.

vaginal progesterone

Sara Cruz-Melguizo (Spain)

10:25 - 10:45

Cervix <25 mm: IPD meta-analysis of vaginal progesterone

in singletons & twins

Roberto Romero (USA)

10:45 - 11:00

Discussion

11:00 - 11:30

Coffee break

11:30 - 16:20

Congenital heart defects

Discussants: Vita Zidere (UK), Marietta Charakida (UK)

11:30 - 11:50

Tetralogy of Fallot

Vita Zidere (UK)

11:50 - 12:10

Coarctation of the aorta

Marietta Charakida (UK)

12:10 - 12:40

CHD: discussion of cases

Zidere, Charakida, Chaoui

12:40 - 12:50

Fetal venous system

Simcha Yagel (Israel)

12:50 - 13:00

Anomalies of aortic arch - fetal US and postnatal MRI / CT

Reuven Achiron (Israel)

13:00 - 14:30

Lunch break

14:30 - 14:37

CHD: absent pulmonary valve syndrome

Roland Axt-Fliedner (Germany)

14:37 - 14:44

CHD: pulmonary atresia - prediction of outcome

Jesus Rodriguez Calvo (Spain)

14:44 - 14:51

CHD: X and V signs in 1st trimester screening

Anitha Shettikeri (India)

14:51 - 14:58

CHD: cardiac axis and V sign angle in 1st trimester screening

Mingming Zheng (China)

14:58 - 15:05

CHD: 1st trimester screening by simplified examination

Carmela Votino (Italy)

15:05 - 15:12

CHD: incidence in IVF / ICSI pregnancy

Paolo Cavoretto (Italy)

15:12 - 15:22

CHD: head growth and Doppler

Roland Axt-Fliedner (Germany)

15:22 - 15:29

CHD: fetal growth and placental perfusion

Paolo Cavoretto (Italy)

15:29 - 15:36

CHD: placental epigenetic biomarkers of isolated VSD

Ray Bahado-Singh (USA)

15:36 - 15:43

CHD: submicroscopic chromosomal aberrations

Zhu Zhang (China)

15:43 - 16:00

CHD: technical aspects of fetal cardiac interventions

Marzena Debska (Poland)

16:00 - 16:07

Fetoscopic transesophageal atrial pacing in tachyarrhythmia

Julien Stirnemann (France)

16:07 - 16:20

CHD: discussion

16:20 - 16:30

Fetal bowel dilation

Reuven Achiron (Israel)

16:30 - 17:30

Coffee break

17:30 - 19:00

First trimester scan

Discussants: Katia Bilardo (Netherlands), Rabih Chaoui (Germany)

17:30 - 17:37

11-13 w scan: hypoplasia / aplasia of the vermis

Reinhard Altmann (Austria)

17:37 - 17:44

11-13 w scan: maxillary gap and facial cleft

Robert Lachmann (Germany)

17:44 - 18:05

11-13 w scan: discussion of cases

Oliver Kagan (Germany)

18:05 - 18:20

Role of ultrasound in the era of cfDNA testing 1st

Katia Bilardo (Netherlands)

18:20 - 19:00

trimester ultrasound diagnosis of fetal defects

Rabih Chaoui (Germany)

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Wednesday 28th June 2017

10:00 - 16:30

Prediction and prevention of preeclampsia

Discussants: John Hyett (Australia), Ahmet Baschat (USA)
Gerry Visser (Netherlands), Kypros Nicolaides (UK)

10:00 - 10:07

1st trimester: prediction of PE by the combined test

Neil O'Gorman (France)

10:07 - 10:14

1st trimester: prediction of PE by the combined test

Jiri Sonek (USA)

10:14 - 10:21

1st trimester: prediction of PE/FGR/IUD by the combined test

Emmanuel Bujold (Canada)

10:21 - 10:28

1st trimester: prediction of PE/FGR/IUD by serum AFP

Ebru Celik (Turkey)

10:28 - 10:35

1st trimester: quality assessment of uterine artery Doppler

Daniel Rolnik (Australia)

10:35 - 10:42

1st trimester: new technique for uterine artery Doppler

Olivier Drouin (Canada) /

Liona Poon (HK)

Zsafia Benko (UK)

10:42 - 10:52

1st trimester: prediction of PE in twins

10:52 - 11:00

Discussion

11:00 - 11:30

Coffee break

11:30 - 11:40

Prediction of PE by proteomics and metabolomics

Ray Bahado-Singh (USA)

11:40 - 11:47

Prediction of PE by serum GDF15 and HtrA3

Fabricio Costa (Australia)

11:47 - 11:54

2nd trimester: prediction of PE by NICE, ACOG, FMF

Fabricio Costa (Australia)

11:54 - 12:01

2nd trimester: stratification of care based on prediction of PE

Magdalena Litwinska (UK)

12:01 - 12:11

3rd trimester: prediction and diagnosis of PE by sFLT - 1 / PLGF

Stefan Verlohren (Germany)

12:11 - 12:18

3rd trimester: prediction of PE by serum MR-proANP

Cahit Birdir (Germany)

12:18 - 12:30

Pregnancy hypertension: maternal cardiac function

Basky Thilaganathan (UK)

12:30 - 12:38

Pregnancy hypertension: angiogenic and cardiovascular markers

Stefan Verlohren (Germany)

12:38 - 12:45

Diagnosis of PE: value of urine PCR

Eran Ashwal (Israel)

12:45 - 12:52

Diagnosis of PE: effect of race on urine PCR

Nikos Kametas (UK)

12:52 - 13:00

Diagnosis of PE: need for validated blood pressure monitor

Diane Nzelu (UK)

13:00 - 14:30

Lunch break

14:30 - 14:37

Implications of previous gestational hypertension

Dan Biris (UK)

14:37 - 14:44

Implications of maternal obesity

Argyro Syngelaki (UK)

14:44 - 14:51

Implications of chronic hypertension

Anca Panaitescu (UK)

14:51 - 15:00

Discussion

15:00 - 15:15

ASPRE trial: prevention of preterm PE

Liona Poon (UK)

15:15 - 15:25

ASPRE trial: effect on term PE

David Wright (UK)

15:25 - 15:40

ASPRE trial: implications

Kypros Nicolaides (UK)

15:40 - 15:50

Prevention of PE: going beyond aspirin

Ahmet Baschat (USA)

15:50 - 16:00

Prevention of PE: omeprazole

John Hyett (Australia)

16:00 - 16:10

The Hawthorne effect

Gerry Visser (Netherlands)

16:10 - 16:30

Discussion

16:30 - 16:45

Early screening tests – effect on healthcare costs

Carl Weiner (USA)

16:45 - 17:00

Intrapartum mortality and severe asphyxia

Zarko Alfrevic (UK)

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E. Gratacós, Barcelona

Fetal Diagnosis and Therapy

2016: Volumes 39, 40

4 issues per volume

Language: English

ISSN 1015-3837 (print)

ISSN 1421-9964 (online)



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Neonatology

2016: Volumes 109, 110

4 issues per volume

Language: English

ISSN 1661-7800 (print)

ISSN 1661-7819 (online)

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Thursday 29th June 2017

09:00 - 11:00

Maternal fetal disease

Discussants: Yves Ville (France), Gerry Visser (Netherlands)

09:00 - 09:07

CMV infection: role of HIG therapy

09:07 - 09:14

CMV infection: role of antiretrovirals

09:14 - 09:21

CMV infection: role of MRI

09:21 - 09:28

Zika virus: exposure and consequences

09:28 - 09:35

Zika virus: ultrasound abnormalities in affected fetuses

09:35 - 09:42

Appendicitis: role of emergency MRI

09:42 - 09:49

Bariatric surgery: effect on insulin resistance

09:49 - 09:56

GDM: late preterm birth and neonatal morbidity

09:56 - 10:10

Updates on diabetes mellitus and pregnancy

10:10 - 10:30

Maternal autoantibodies and fetal defects

10:30 - 11:00

Cases of maternal-fetal medicine

Oliver Kagan (Germany)

Yves Ville (France)

Shlomo Lipitz (Israel)

Carlota Rodo (Spain)

Carol Gisela Rueda (Colombia)

Eldad Katorza (Israel)

Tanya Maric (UK)

Katja Bricelj (Slovenia)

Gerry Visser (Netherlands)

Anca Panaiteanu (UK)

Surabhi Nanda (UK)

11:00 - 11:30

Coffee break

11:30 - 13:00

Labor and delivery

Discussants: Gerry Visser (Netherlands), Yves Ville (France)

11:30 - 11:37

Prediction of adverse outcome at 20 weeks

11:37 - 11:47

Prediction of SGA with adverse outcome

11:47 - 12:00

Cerebro-placental ratio: prediction of fetal distress in labor

12:00 - 12:15

Fetal head size and labor outcome

12:15 - 12:30

Re-engineering the interpretation of fetal monitoring

12:30 - 12:37

Sonographic assessment of progression angle

12:37 - 12:44

Sonographic prediction of successful induction of labor

12:44 - 12:51

Intrapartum sonographic monitoring of progress of labor

12:51 - 13:00

Discussion

George Papaioannou (Greece)

Asma Khalil (UK)

Ranjit Akolekar (UK)

Simcha Yagel (Israel)

Mark Evans (USA)

Francesco Conversano (Italy)

Magdalena Fiolna (UK)

Alex Frick (UK)

13:00 - 14:30

Lunch break



Speaker List:

Ahmet Baschat (USA)
Alan Flake (USA)
Alan Hatanaka (Brazil)
Alexander Engels (Belgium)
Alexandros Sotiriadis (Greece)
Angela Ranzini (USA)
Anitha Shettikeri (India)
Annemijn de Ruigh (Netherlands)
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Eran Ashwal (Israel)
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Gerry Visser (Netherlands)
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Jan Deprest (Belgium)
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Jeni Panaiotova (UK)
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Jiri Vojtech (Czechia)
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Reuven Achiron (Israel)
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Ritsuko Pooh (Japan)
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Roland Axt-Fliedner (Germany)
Roland Devlieger (Belgium)
Sara Cruz-Melguizo (Spain)
Shlomo Lipitz (Israel)
Stamatios Petousis (Greece)
Stefan Verlohren (Germany)
Tak Yeung Leung (Hong Kong)
Tessa Homfray (UK)
Theresa Reischer (Austria)
Vita Zidere (UK)
Yves Ville (France)
Zarko Alfirevic (UK)
Zhu Zhang (China)
Zsofia Benko (UK)

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