Advanced SCIENTIFIC PROGRAM

Monday, 24th April 2017

PRE CONGRESS COURSES

09.00 – 16.30
COURSE 1 - THE PRENATAL DIAGNOSIS
Course Director: Kypros Nicolaides, UK

What can be diagnosed, predicted, and prevented in the first trimester?
Kypros Nicolaides

1st trimester ultrasound in the cell free fetal DNA era
Katia Bilardo, the Netherlands

Evolution of prenatal diagnosis from the “combined test” to non-invasive prenatal testing (NIPT)
Jon Hyett, Australia

Algorithms for the prediction of preeclampsia
Liona Poon, UK

Screening for preterm birth in the first trimester: do we have tools?
Sonia Hassan, USA

First Trimester Cardiac anomalies
Rabih Chaoui, Germany

First trimester assessment of multiple pregnancy
Boonsri Chanrachakul, Thailand

First trimester assessment of placental function and hemodynamics
Giuseppe Rizzo, Italy

Congenital neck lesions: from fetus to neonate
Tamara Feygin, USA

Role of Doppler in prenatal diagnosis
Dev Maulik, USA
09.00 – 16.30
COURSE 2 - PRETERM NEONATAL RESUSCITATION
Course Directors: Eduardo Bancalari, USA; Ola Didrik Saugstad, Norway

State of the art of neonatal resuscitation: more good than harm?
Eduardo Bancalari, USA

A less invasive approach to resuscitation in the delivery room
Manuel Sanchez-Luna, Spain

TBA
Linda Van Marter, USA

Stabilization and oxygenation of the VLBW neonate in the delivery room
Ola Didrik Saugstad, Norway

Algorithm for preterm newborn resuscitation
Althaf Ansary, UK

How parents can be involved in making critical care decisions?
Silke Mader, Germany

09.00 – 16.30
COURSE 3 - UPDATE ON DEVELOPMENTAL ORIGIN OF ADULT DISEASE (DOhAD)
Course Directors: Mark Hanson, UK; Umberto Simeoni, Switzerland

Think nutrition first
Mark Hanson, UK

The epidemiology and genetics of pregnancy that program neonatal outcomes
Louis Muglia, USA

Hyperglicemia in pregnancy
Moshe Hod, Israel

Experimental and clinical data to prevent diabesity
Fabio Facchinetti, Italy

Oxygenation and nutrition of the growth restricted fetus
Irene Cetin, Italy

The offspring: the impact of excess and deficiency
Umberto Simeoni, Switzerland
09.00 – 16.30
COURSE 4 - INFECTIONS IN THE PRENATAL AND NEONATAL PERIOD
Course Directors: Yves Ville, France; Paolo Manzoni, Italy

CMV in pregnancy and neonatal period: control and management
Giovanni Nigro, Italy

Discovery of biomarkers for early diagnosis and surveillance of neonatal infection and necrotizing enterocolitis
NG Pak Cheung, China

Ultrasound diagnosis of fetal infections
Yves Ville, France

The immunosuppressive therapy during pregnancy - the effect on mother and fetus
Miroslaw Wielgos, Poland

Candida infection in the newborn: detection, prevention and treatment
Elio Castagnola, Italy

09.00 – 17.00
COURSE 5 - SAFE MOTHERHOOD AND NEWBORN HEALTH
(JOINTLY ORGANISED WITH FIGO)
Course Directors: Gerry H.A. Visser, the Netherlands; Diogo Ayres de Campos, Portugal

General Introduction: Safe Motherhood & Newborn Care today
Gerry H.A. Visser, The Netherlands

PART 1: Fetal monitoring in low/medium resource setting:

Prevention of intrapartum mortality in resource limited settings
Will Stones, Malawi and London

FIGO classification of intrapartum cardiocotography
Diogo Ayres de Campos, Portugal

A Daphi analysis on intrapartum monitoring
Marcus Rijken, the Netherlands

Telemedicine and mobile health in remodeling prenatal care in low-income countries
Nathaniel De Nicola, USA

Anaesthesia for obstetrics 2017: What does an obstetrician need to know?
Krysztof Kuczkowski, USA
PART 2 - Basic ultrasound in low/medium resource setting:

How basic obstetric ultrasound can be implemented and performed
Enrico Ferrazzi, Italy

Fetal movements count – the neglected antenatal test
Dan Farine, Canada

PART 3 - Why preeclampsia still occurs in 2017:

Preeclampsia - a Heterogeneous Syndrome
Gustaf Dekker, Australia

Practical advice about automatic blood pressure measurement devices
Andrew Shennan, UK

Training and simulation for obstetrical emergencies
Tym Draycott, UK

09.00 – 15.30
COURSE 6 - ABNORMALLY INVASIVE PLACENTA: MAKING DECISIONS
Course Director: Jose Palacios-Jaraquemada, Argentina

Presentation
Jose Palacios-Jaraquemada, Argentina

The cesarean delivery epidemics and the consequent abnormal placentation
Aris Antsaklis, Greece

What is the best treatment for an abnormally invasive placenta?
Luis Cabero Roua, Spain

When the placenta invades the bladder: preoperative assessment, intraoperative alternatives, and postoperative care
José Palacios-Jaraquemada, Argentina

Techniques for avoiding PPH in cesarean delivery with placenta accreta
Mark Kurtser, Russia

The role of Echography in abnormal placentation diagnosis
Antonio Malvasi, Italy

When is MRI necessary to assess invasive placentation?
José Palacios-Jaraquemada, Argentina
Massive and unpredictable postpartum hemorrhage
Mike Robson, Ireland

New surgical technique in placenta accreta management
Roman Shmakov, Russia

Unexpected complications during the course of abnormal invasive placentation
José Palacios-Jaraquemada, Argentina

A step-by-step approach to massive transfusion: when, what, and how?
Dan Farine, Canada

Management of postoperative complications with in situ placentaion
Corinne Hubinont, Belgium

Vascular anatomy of the uterus and its relevance for surgical treatment
José Palacios-Jaraquemada, Argentina

Video Session
José Palacios-Jaraquemada, Argentina

09.00 – 17.00
COURSE 7 – FETAL ECHOCARDIOGRAPHY WITH FINE
Course Directors: Lami Yeo, USA, Roberto Romero, USA

Standard cardiac planes required by professional organizations for fetal echocardiography
Baskaran Thilaganathan, UK

How to acquire fetal cardiac volumes: Tips and Tricks
Lami Yeo, USA

Evaluation of cardiac volumes to determine their appropriateness for analysis
Giuseppe Rizzo, Italy

FINE: Complexity made simple (Part 1 Overview):
- Concepts
- Intelligent vs manual navigation
- Characteristics of FINE
Roberto Romero, USA
FINE: Complexity made simple (Part 2 Specifics)
- Marking anatomical structures
- Intelligent and Marking Alerts
- Diagnostic planes and Automatic Labeling
- Virtual Intelligent Sonographer Assistance

Lami Yeo, USA

Clinical implementation of the FINE method
Jan Weichert, Germany

Cardiac axis/position, situs, heterotaxy
Lami Yeo, USA

Tetralogy of Fallot and anatomical variants
Roberto Romero, USA

Coarctation and pseudo-coarctation
Irene Giardina, Italy

FINE method in the first trimester
Tom Bourne, UK

Color Doppler FINE (normal and abnormal cases)
Lami Yeo, USA

“Virtual” cardiac volume acquisition using a simulator (Hands-on session by participants)
Roberto Romero, USA; Lami Yeo, USA

Normal fetal hearts and challenging cases of fetal congenital heart disease analyzed by FINE (audience participation)
- Evaluate the adequacy of cardiac volumes
- Apply FINE to cardiac volumes
- Determine the diagnosis (normal vs. abnormal heart)
Alexander Weichert, Germany; Jan Weichert, Germany; Christopher Lees, UK; Paola Veronese, Italy; Roberto Romero, USA
18.00 – 19.30
OPENING & WELCOME RECEPTION

OPENING REMARKS
The Organisers

KEY NOTE ADDRESSES
Care of pregnant women and infancy through centuries: the legacy of the Innocenti Hospital in Florence
Donatella Lippi, Italy

Twins, omics and precision medicine
Tim Spector, UK

Gynecologic disorders predisposing to poor pregnancy and neonatal outcomes
what is the evidence?
Linda Giudice, USA

Tuesday, 25th April 2017

08.00 – 09.00
FREE COMMUNICATIONS 1
Chairpersons: Graziano Clerici, Italy TBA

FREE COMMUNICATIONS 2
Chairpersons: Ariadne Malamitsi Puchner, Greece, TBA

FREE COMMUNICATIONS 3
Chairpersons: Chiara Mandò, Italy

9.00 – 11.00
PLENARY SESSION 1 – INTERVENTIONS WHICH MATTER
Chairpersons: Khalid Khan, UK Eduardo Bancalari, USA

Opening lecture: Aspirin in early pregnancy
Kypros Nicolaides, UK

PfP value in maternal fetal medicine
Eytan Barnea, USA
First trimester screening for adverse pregnancy outcome
Gordon Smith, UK

The possibility to prevent preterm birth
Roberto Romero, USA

Measuring Outcomes in Trials of Neuroprotection
Neil Marlow, UK

11.00 - 11.30
COFFEE BREAK AND POSTER VIEWING

11.30 - 13.00
PLENARY SESSION 2 - ENVIRONMENTAL TOXIC CHEMICALS AND REPRODUCTION
Chairpersons: Yves Ville, France; Paolo Manzoni, Italy

Opening lecture: Environmental toxicants: world reproduction at risk
Linda Giudice, USA

Environmental toxic chemicals and reproduction
Maria Dolores Gomez Roig, Spain

The effect of culture environment on assisted reproduction technologies
Johan J.E. Smitz, Belgium

The complexity of prenatal exposure hazards and neonatal-adult outcome
Ernesto Burgio, Italy

13.00 – 14.30
LUNCH BREAK AND POSTER VIEW

13.00 – 14.30
LUNCHEON SPONSORED SESSION
14.30 – 16.30
PARALLEL SESSION 1 - HEALTH ECONOMICS IN MATERNAL-FETAL AND NEONATAL MEDICINE

Chairpersons: Le Quang Thanh, Vietnam; Zarko Alfirevic, UK

Prediction of preterm labour may avoid unnecessary admissions and treatments
Deborah Wing, USA

Economics of intervention to prevent preterm birth
Sonia Hassan, USA

Use and abuse of antibiotics in labour and delivery: a cost benefit evaluation
Mirosław Wielgos, Poland

Early interventions and health across the lifecourse: an economic perspective
Gabriella Conti, UK

Health disparities in maternal infant care and outcomes
Scott Lorch, USA

Oral health, oral treatments and prevention in pregnancy: is it worth?
Silvio Abati, Italy

14.30 – 16.30

Chairpersons: Mary D’Alton, USA; Neil Marlow, UK

Mechanisms of perinatal brain injury: novel neuroprotective opportunities
Henrik Hagberg, Sweden and UK

Prevention and treatment of fetal hypoxic brain damage
Tadashi Kimura, Japan

Perinatal hypoxia and later psychosis: dopaminergic and neurotrophic mechanisms
Despina Briana, Greece

Magnesium sulphate for neuroprotection: FIGO Good Practice Advice
Shilpa Nambiar, Malaysia

Prenatal neuroprotection and growth restriction
Gerry H Visser, the Netherlands
14.30 – 16.30
PARALLEL SESSION 3- THE TWIN CHALLENGES
Chairpersons: Lali Sichinava, Russia; Umberto Simeoni, Switzerland

Optimising ART to reduce multiple pregnancies
René Frydman, France

Mono- or bi-chorionicity: which does really matter?
Isaac Blickstein, Israel

Diagnosis, staging and management of TTTS
Ruben Quintero, USA

Twin pregnancy and preterm birth
Jane Norman, UK

Neurologic outcome and follow up of twins after TTTS
Kurt Hecher, Germany

14.30 – 16.30
PREIS SCHOOL ACADEMY SPECIAL SESSION – STRATEGIES TO PREVENT PRETERM BIRTH
Chairpersons: Gian Carlo Di Renzo, Italy; Sonia Hassan, USA

Genetics, epigenetics and the unknown in timing length of pregnancy: clues for prevention of prematurity?
Joe Leigh Simpson, USA

Role of cervical screening and progesterone
Roberto Romero, USA

Role of cervical cerclage
Vincenzo Berghella, USA

Role of pessary
Luis Cabero Roua, Spain

Combination of preventive measures: do they work?
Eduardo Borges da Fonseca, Brasil

16.30 – 17.00
TEA BREAK AND POSTER VIEWING
PARALLEL SESSION 4 - INDUCTION OF LABOR

Chairpersons: Roberto Romero, USA; Mark Kurtser, Russia

Indication and misindications: when is "convenient" to induce labour?
Tak Yeung Leung, Hong Kong

Ultrasound assessment of fetal condition and predicting mode of delivery in early labour
Christoph Lees, UK

The difficulties in the comparison of methods to induce labour
Mike Robson, Ireland

Induction of labour: pitfalls, outcome and consequences
Boonsri Chanrachakul, Thailand

PARALLEL SESSION 5 - RESPIRATORY DISTRESS SYNDROME AND BRONCHOPULMONARY DYSPLASIA

Chairpersons: Manuel R G Carrapato, Portugal; Ola Didrik Saugstad, Norway

How to prevent apnea of prematurity
Christian Poets, Germany

Guidelines of the management of RDS
David Sweet, UK

The key to success of non-invasive ventilation among preterm infants compared to CPAP
Oleg Ionov, Russia

Newer strategies for the prevention of BPD
Eduardo Bancalari, USA

Long-term respiratory outcomes of prematurity and bronchopulmonary dysplasia
Eugenio Baraldi, Italy
17.00 – 18.30
PARALLEL SESSION 6 - RANDOMIZED CONTROLLED TRIALS IN PREGNANCY ASSESSING NEONATAL AND INFANT OUTCOME
Chairpersons: Khalid Khan, UK; Neena Modi, UK

Interpreting results to include the concept of core outcomes and various pooling methods - IPD/network - that sort of stuff
Zarko Alfirevic, UK

Global organisation of planning, execution, interpretation and implementation of clinical trials in perinatal medicine
Ben Mol, Australia

How much can clinical medical inventions reduce the preterm birth rates?
Bo Jacobsson, Sweden

Evidence base medicine and RCT: do we really need in clinical practice?
Dan Farine, Canada

17.00 – 18.30
SPECIAL SESSION - SYMPOSIUM ON MATERNAL DISEASES
Chairpersons: Jorge De Rezende Filho, Brasil; Alexander Konoplyannikov, Russia

The “M” in maternal-fetal medicine
Mary D’Alton, USA

Preeclampsia and placental dysfunction: cause or effect
Baskaran Thilaganathan, UK

New concepts in hypertensive disorders of pregnancy
Peter von Dadelszen, UK

Fibroids in pregnancy: diagnosis, complications and when and how to remove them
Zion Ben Rafael, Israel

Antiphospholipid antibodies and lupus in pregnancy
Liliana Voto, Argentina

18.30 – 19.00
HAPPY HOUR LECTURE

Sex and pregnancy
Dan Farine, Canada introduced by Gian Carlo Di Renzo
Wednesday, 26th April 2017

08.00 – 09.00
FREE COMMUNICATIONS 4
Chairpersons: Miroslava Gojnic Dugalic, Serbia  TBA

FREE COMMUNICATIONS 5
Chairpersons: Benito Cappuccini, Italy; Despina Briana, Greece

FREE COMMUNICATIONS 6
Chairpersons: Irene Giardina, Italy  TBA

09.00 – 11.00
PLENARY SESSION 3 - THE CHALLENGE OF PRETERM BIRTH
Chairpersons: Joe Leigh Simpson, USA; Kypros Nicolaides, UK

Opening Lecture: The preterm birth syndrome
Roberto Romero, USA

The genomics of birth timing: harnessing evolution for discovery
Louis Muglia, USA

Can we predict who is going to deliver preterm?
Andrew Shennan, UK

Metabolomics in perinatal medicine: the right route?
Vasillios Fanos, Italy

Which is the future of the premies?
Umberto Simeoni, Switzerland

11.00 - 11.30
COFFEE BREAK AND POSTER VIEWING
11.30 – 13.00
CO-PLENARY SESSION 4 - FETAL AND NEONATAL GROWTH RESTRICTION
Chairpersons: Gerry H.A. Visser, The Netherlands; Aris Papageorghiou, UK

Opening lecture: IUGR and SGA: what we know nowadays?
Eduard Gratacos, Spain

WHO fetal growth charts – something new?
Torvid Kiserud, Norway

INTERGROWTH lessons
Jane Hirst, UK

TRUFFLE studies outcome
Christopher Lees, UK

11.30 – 13.00
CO-PLENARY SESSION 5: NUTRITION AND EARLY FEEDING IN PERINATAL PERIOD
Chairperson: Adriane Malamitsi Puchner, Greece; Belgium Linda Van Marter, USA

Opening lecture: Nutritional challenges in the transitional period
Neena Modi, UK

Maternal milk, in the light of microbiomic, bioactive and epigenetic knowledge
Ariadne Malamitsi Puchner, Greece

Maternal obesity; insights from metabolomics in an intervention RCT
Lucilla Poston, UK

Optimizing growth and nutrition in the premature infant
Renate Savich, USA

13.00 – 14.30
LUNCH BREAK AND POSTER VIEW

13.00 – 14.30
LUNCHEON SPONSORED SESSION
14.30 – 16.30 PARALLEL SESSION 7 – DIABESITY AND ITS IMPACT ON MATERNAL INFANT HEALTH
Chairpersons: Fabio Facchinetti, Italy; Ben Mol, Australia

The importance of the preconceptional period
Mark Hanson, UK

Tackling the tsunami of diabetes in pregnancy
Hema Divakar, India

Exercise to prevent gestational diabetes
Huixia Yang, China

Gestational diabetes and obesity: Implications for next generations
Yariv Yogev, Israel

14.30 – 16.30 PARALLEL SESSION 8 – CESAREAN DELIVERY
Chairpersons: Aris Antsaklis, Greece; C.N. Purandare, India

Revisiting embryology and anatomy to optimize cesarean delivery technique
Michael Stark, Germany

An update on the classification system for cesarean deliveries
Mike Robson, Ireland

Is cesarean delivery the best option for preterm gestation?
Corinne Hubinont, Belgium

Cesarean delivery techniques in preterm gestation
Viktor Radzinsky, Russia

One-step conservative-resective treatment in abnormal placentation (analysis of 345 cases)
José Palacios-Jaraquemada, Argentina
14.30 – 16.30
PARALLEL SESSION 9 – PRENATAL DIAGNOSIS
Chairpersons: Anton Mikhailov, Russia; Giuseppe Rizzo, Italy

CVS and microarray for everyone
Mark Evans, USA

NIPT: where we stand now?
Kypros Nicolaides, UK

Screening for 22q11.2 deletion by cell-free DNA
Thomas Musci, USA

Limits of ultrasound for the detection of fetal malformations
Yves Ville, France

The challenge of fetal echocardiography
Rabih Chaoui, Germany

Fetal craniofacial and limb anomalies association with systemic disorders: just a small indication of a larger possibility
Tamara Feygin, USA

14.30 – 16.30
SESSION 10 – PORTUGUESE LANGUAGE SESSION
(organised jointly with FEBRASGO & Albert Einstein Hospital, Sao Paolo, Brazil)
Chairpersons: Eduardo Cordioli, Brazil; Eduardo Fonseca, Brazil

Screening for chromosomal abnormalities in the first trimester (Rastreamento no primeiro trimestre pra aneuploidia - US, Bioquimico e DNA)
Renato Sá, Brazil

Screening for PET (Rastreamento Pre eclampsia no primeiro trimestre).
Eduardo Zlotnik, Brazil

Screening for gestational diabetes: Brazilian protocol (Rastreamento diabetes na gestação: protocol brasileiro).
Rossana Pulcinelli Francisco, Brazil

Diagnose for PTL (Diagnóstico de trabalho de parto prematuro: bases para internação e intervenção medicamentosa)
Paulo Nassar, Brazil
16.30 – 17.00
TEA BREAK AND POSTER VIEWING

17.00 – 18.30
SESSION 11 – NEW ISSUES ON PRETERM BIRTH AND NEWBORN
Chairpersons: Eduardo Cordioli, Brazil

- Epidemiology of preterm birth
  Jan Stener Jorgensen, Denmark

- Lipoic acid effects could be useful in the management of preterm delivery
  Fabio Facchinetti, Italy

- Corticosteroid lung maturation – to whom? How long? How often?
  Hans Helmer, Austria

- Preterm birth and SGA in China
  Luming Sun, China

- TBA
  Luc Zimmermann, The Netherlands

- Quality improvement of respiratory care in Chinese collaborative NICU network
  Bo Sun, China

17.00 – 18.30
SESSION 12 – INDIVIDUALISED MEDICINE: ETHICAL CHALLENGES
Chairpersons: Gennady Sukhikh, Russia; Tim Spector, UK

- Ethics in medical societies
  Xavier Carbonell, Spain

- Birth as a new paradigm for holistic care
  Gianpaolo Donzelli, Italy

- Parental attitudes and choices for discontinuation of neonatal intensive care and/or major surgical treatment in very preterm infants.
  NG Pak Cheung, China

- Metabolomics and microbiomics: personalized medicine from the fetus to the adult
  Vassilios Fanos, Italy

- Telemedicine and mobile health in remodeling prenatal care
  Nathaniel De Nicola, USA
17.00 – 18.30
**SESSION 13 – INEQUITIES IN CARE**
Chairpersons: Luis Cabero, Spain

Responsible obstetric resource management
Birgit Arabin, Germany

Maternal-fetal issues in migrants
Chiara Benedetto, Italy

Clinical guidelines and inequities in care
Tony Duan, China

Violence to women in prenatal care and delivery setting
Lesley Regan, UK

17.00 – 18.30
**SPECIAL SESSION - NEONATAL NETWORKS**
Chairpersons: Dominique Haumont, Belgium; Ola Didrik Saugstad, Norway

Databases and the new international benchmarking platform eNewborn
Dominique Haumont, Belgium

TBA
Neena Modi, UK

TBA
Kate Costeloe, UK

18.30 – 19.00
**HAPPY HOUR LECTURE**
Sins and pregnancy
Gian Carlo Di Renzo, Italy introduced by Kypros Nicolaides

19.00 – 19.30
**CLOSING REMARKS**
The Organisers