

**Advanced Programme**  
**XXII European Congress of Perinatal Medicine**  
**Granada, May 26-29, 2010**

**WEDNESDAY, MAY 26**

**8:00 Opening and Registration**

10:00-13:30

**Pre-congress Course I - Emergency room (ER) in obstetrics**

Coordinators: M. Robson (Ireland), G. Visser (The Netherlands)

Speakers:

K. Young Lee (Korea) - Rescue cerclage

R. Vladareanu (Romania) – Thrombocytopenia during pregnancy –more than one disease

H. Helmer (Austria) – Acute tocolysis in labor

M. Paz Carrillo Badillo (Spain) - Management of the postpartum hemorrhage

G. Affronti, G.C. Di Renzo – Step wise approach to the management of PPH

N. Suci (Romania) - Non surgical treatment In postpartum hemorrhage over haemostatic hysterectomy: A challenge in modern obstetrics.

**Pre-congress Course II - Resuscitation in neonatology**

Coordinators: M. Vento (Spain), C. O'Donnell (Ireland)

Speakers:

O. Saugstad (Norway) - Major changes in newborn resuscitation -the last decade and future questions

C. O'Donnell (Ireland)-Assessment of the newborn during resuscitation

M. Vento (Spain)- Titrating oxygen needs during resuscitation of the very preterm infant

J.M. Orgado (Spain)- Post-resuscitation care of the asphyxiated newborn infant

**Pre-congress Course III - Cesarean section and operative deliveries**

Coordinators: M. Stark (Germany), A. Grunebaum (USA)

Speakers:

A. Grunebaum (USA) – How to set up a shoulder dystocia drill

M. Stark (Germany) – Evidence-based facts concerning caesarean section

A. Malvasi (Italy) – Adhesions and one layer suture in cesarean section

A. Grunebaum (USA) – Vaccum and forceps: still useful?

C. Dadak (Austria) – Malpractice in obstetrics

D. Farine (Canada) – The medical legal challenges

**Pre-congress Course IV - Nutrition in maternal fetal and neonatal medicine**

Coordinators: T. O. Scholl (USA), C. Campoy (Spain)

Speakers:

T.O. Scholl (USA) – Maternal nutrition and pregnancy outcome

A. Athanasiadis (Greece) – Maternal nutrition and amniotic fluid amino acids concentration in relation with the neonatal weight and preterm delivery

E. Taricco (Italy) – Placental aminoacid transfer in IUGR

D. Haumont (Belgium)– Parenteral nutrition of the preterm infant

G. Moro (Italy) – Protein supply for preterm infants

V. Carnielli (Italy) – Nutritional effects on surfactant synthesis

G. Buonocore (Italy) – Oxidative stress in the perinatal period

C. Campoy (Spain)– Placental function in obese and diabetic women

N. Cameron (UK)– Intrauterine programming

## **Pre-congress Course V - Perinatal Epidemiology**

9:30 -17:00

Chairpersons: J. Zeitlin (France), J. Langhoff Roos (Denmark)

### **International collaborations on severe maternal morbidity**

M.H. Bouvier-Colle (France)-Past studies in Europe and state of the art

P. Brocklehurst (UK)- The UKOSS program in the United Kingdom

J. Langhoff Roos (Denmark)- The Nordic countries collaboration

C. Deneux (France) - The EPIMOMS project in France

N. Lack (Germany) - German collaboration

### **Cohort studies**

E. Steegers (The Netherlands) - Generation R – from fetal life until young adulthood in a multi-ethnic urban population in Rotterdam

S. Correia (Portugal) - Generation XXI – the first Portuguese birth cohort

B. Blondel (France) - Overview of cohort projects in France

E. Draper (UK)- Cohorts of high risk infants

13.00-14.00 Lunch

Chairpersons: G. Breart (France), P. Brocklehurst(UK)

### **Open session: themes for European research**

S. Buitendijk (Belgium) - Preconception care

A. Macfarlane (UK)- Maternal mortality in Europe in the mid-nineteenth century

### **Raising the profile of European research in perinatal epidemiology**

J. Zeitlin (France), A. Macfarlane (UK)- Priorities in perinatal epidemiological and health services research in Europe: results of a survey of EPEN members

14:30-17:30

## **Pre-congress Course VI - Fetal surveillance in pregnancy and labour**

Coordinators: R. Luzietti (Italy), A. Vintzileos (USA)

Speakers:

G. Rizzo (Italy) - Heart and venous hemodynamics in predicting and monitoring fetal growth restriction

G. Clerici (Italy)- Fetal hemodynamics and cord anomalies

M. Mino (Spain) – Fetal surveillance for fetal anemia

Y. Ville (France) - Surveillance and delivery of mono chorionic twins

J. Nijhuis (The Netherlands) -The crucial importance of structured assessment of the CTG pattern

R. Luzietti (Italy) - Intrapartum fetal monitoring

A. Puertas(Spain) - Transcervical amnioinfusion

A. Vintzileos (USA) -Evidence-based versus reality-based medicine in fetal surveillance

## **Pre-congress Course VII - Mechanical ventilation in the newborn**

Coordinators: E. Bancalari (USA), A. Greenough (UK)

Speakers:

A. Greenough (UK) – Patient triggered ventilation

M. Sanchez Luna (Spain) – Respiratory support in infants with PPHN

E. Bancalari (USA) – Computer controlled ventilation

J. Gadzinowski (Poland) –Use of heliox in ventilated neonates

## **Pre-congress Course VIII - Fetal and neonatal brain ultrasound**

Coordinators: V. D'Addario (Italy), M. Levene (UK)

Speakers:

V. D'Addario (Italy) – Management of fetuses with mild ventriculomegaly

A. Mikhailov (Russia) – Brain disorders in monozygotic twins and possibility of its prevention

A. Matias (Portugal) –Effect of the intrauterine environment on the developing brain: can we avoid tragedy?

J. Haddad (Lebanon) – Agenesis of corpus callosum: prenatal diagnosis and outcome

A. Kurjak (Croatia) – Fetal neurodevelopment and neurobehaviour

L. Ramenghi (Italy) – Neuroimaging of brain neonatal disorders

14:00-17:30

### **Executive Board Meeting of EAPM**

18:30-22:00

### **Opening ceremony and welcome cocktail**

F. Montoya, J. Romero, C. Sen, G.C. Di Renzo, E. Saling, A. Puertas, C.P. Speer

Opening lecture: The "Emile Papiernik Memorial Lecture": F. Chervenak – Perfect baby, imperfect expectations, introduced by C.P. Speer

## THURSDAY, MAY 27

8:00-9:00

### Free Communications

#### Session C1

Chairpersons: T. Scholl (USA), C. Campoy (Spain)

P. Brinez (USA) - Folate protection of fetal alcohol syndrome related cardiac defects by modulation of wnt/ $\beta$ -catenin signaling

N. Tanaka (Japan)- CD133+ cells from human umbilical cord blood protect cortical blood vessels and promote axonal growth in neonatal rat organ co-cultures exposed to hypoxia

H. Coridon (France) - Effects of DHEA (Dehydroepiandrosterone) on pulmonary vascular reactivity in the ovine fetus

A. Houeijeh (France) - The effects of n3 polyunsaturated fatty acids (PUFA-  $\omega$ 3) on the pulmonary circulation of lamb's fetus

E. Larqué (Spain) - Study of the <sup>13</sup>C-DHA placental uptake and fetal transfer in pregnant women using two different time points

I. Hoesli (Switzerland) - Low levels  $\omega$ -3 and  $\omega$ -6 polyunsaturated fatty acids (PUFAs) in pregnancy: association to anxiety and depression

#### Session C2

Chairpersons: R. Luzietti (Italy), B. Carbonne (France)

D. Arteiro (Portugal) - Impact of the knowledge of fetal outcome on the interpretation of the intrapartum cardiotocograph

M. Park (South Korea) - Computerized analysis of fetal heart rate parameters and perinatal outcomes in maternal anemia

M.Valverde Pareja (Spain) - Comparison between the pulse oximetry's effectiveness and electrocardiogram's effectiveness; two methods of fetal intrapartum monitoring

W. Peiyong (Singapore) - Causes and Management of intrapartum fetal bradycardia

M. F. López Gallego (Spain) - Evolution of arterial oxygen saturation during first-stage labour in women with cardiotocographic criteria requiring emergency delivery

T. Lavesson (Sweden) - Continuous monitoring of fetal scalp temperature in labor: a new technology validated in a fetal lamb model

#### Session C3

Chairpersons: E. Shinwell (Israel), M. Szymankiewicz (Poland)

M. Lopez (Spain) - H1N1 virus infection among pregnant women

G. Kongolo (France) - Bacteremia associated with central venous catheter (BAC) in NICU : epidemiology, risk factors and complications

M.V. Degtyareva (Russia) - Efficacy of human recombinant interleukin-2 (Roncoleukin®) in treatment of severe neonatal bacterial infections complicated with lymphopenia

K. Jost (Switzerland) - Paracetamol for infants after operative vaginal delivery. The pain memory

M.I. Medvedev (Russia) - Therapy resistant neonatal seizures: causative mechanisms and treatment optimization

D. Freeman (Australia) - Newborn screening samples should be used for research

9:00-9:30

**Opening Lecture- Plenary Session 1: "Safety of birth: between technologies and humanization"-**

P. Brocklehurst (UK)

Introduction by F. Montoya (Spain)

9:30-11:30

**Plenary Session 1 - Gaps in evidence in modern perinatology**

Chairpersons: C. Sen (Turkey), C.P. Speer (Germany)

Speakers:

-Obesity and pregnancy outcome – Y. Yogev (Israel)

-Pitfalls in perinatal health statistics in Europe – J. Nijhuis (The Netherlands)

-Social exclusion and planning place of birth– S. Kenyon (UK)

-Gaps in evidence:

-Obstetrician view – Z. Alfirevic (UK)

-Neonatologist view - G. Greisen (Denmark)

-Midwife/nurse view – M. Brosnan (Ireland)

-Consumer view – M. Ceruti (Italy)

11:30-12:00 *Coffee Break*

**Poster I 11:30-15:00**

12:00-13:00

**Challenge the Speaker 1- IUGR or LBW?** - G. Visser (The Netherlands)

Chairpersons: A. Cameron (UK), D. Maulik (USA)

Discussants: N. Marlow(UK), G.C. Smith (UK)

**Challenge the Speaker 2 – Hot Questions in Perinatal Ethics** – G.P. Donzelli (Italy)

Chairpersons: A.A. Verhagen (The Netherlands), J.M. Laila (Spain)

Discussants: U. Simeoni (France), D. Haumont (Belgium)

13:00-14:00

**Breaking News Session 1:** The best innovative communications

Chairpersons: Z. Alfirevic (UK), T.H Bui (Sweden)

Y. Englert (Belgium) – Preservation of fertility in cancer patients

A. Macfarlane (UK) – Variations in method of delivery in Europe: data from the Europeristat-II Study

R. Schild (Germany) - Biomarker rapid test to predict individual preterm birth risk

H. Stepan (Germany) - Clinical usefulness of new preeclampsia predictive test

13:00-14:00

**Special Lecture 1:**

Chairpersons: A. De Leiva (Spain), T. Sener (Turkey)

**Diabetes** - M. Hod (Israel)

Selected interventions:

T. Frusca (Italy) - 3D fetal weight estimation - Limits and pitfalls of echography

J. Kim (South Korea) – Clinical study of the diagnostic criteria for gestational diabetes mellitus

L. Pleş (Romania) – Pregnancy hyperglycemia – predictive factor for perinatal complications?

**Special Lecture 2:**

Chairpersons: X. Carbonell Estrany (Spain), A. Greenough (UK)

**Surfactant and respiratory disorders** – H. L. Halliday (UK)

Selected interventions:

F. Leone (Italy) - "INSURE" in RDS preterm infants: efficacy vs "rescue" surfactant replacement

S. Go (Japan)- Small thymus at birth predicts chronic lung disease of the newborn

12:00 -14:00

**Special Session Preterm birth: confronting the challenge – in honour of Professor Emile Papiernik**

Chairpersons: L. Gortner (Germany), J. Zeitlin (France)

Introduction by G.C. Di Renzo (Italy)

Speakers:

G. Breart (France) - The health burden associated with preterm birth

J. Zeitlin (France) - Risk factors for primary and secondary prevention

M. Kogan (USA)- Intrapartum intervention and early delivery among women with low medical risk

W. Künzel, B. Misselwitz (Germany) - The management of preterm birth in Germany during the past three decades -regionalization of high risk deliveries in centers of maximum care

L. Kollée (NL), P. Van Reempts, D. Milligan (UK), J.L. Chabernaude (France), E. Draper (UK), R.

Agostino (Italy), J. Zeitlin (France), G. Sedin (Sweden) - Regionalisation and concentration of perinatal care for very preterm births in Europe after the eighties

L. Keith (USA) – Lessons from the Hagenau study

D. Petersen (USA) - When the best clinical care and the finest research aren't enough: political advocacy and social change to prevent preterm birth

**Neonatal Nurse I** 11.30 -14.00

**"SOY PREMATURO:¿CÓMO ME VÉIS?"**

Moderadora: M. Granados Contreras

Ponentes:

P. García Gutiérrez (Madrid, Spain) – Soy prematuro, como me veis?

C. Gómez Esteban (Madrid, Spain) – Gran prematuridad y entorno social y familiar: una carrera de fondo

E. Pajuelo Vázquez (Spain)- La grandeza de lo pequeño: ser prematuro



**Midwives I** 11.30 – 14.00

Chairperson: M. Rodríguez Rozalen (Madrid, Spain)

**11:30 Apertura y presentación de la sesión**

M. Rodríguez Rozalén (Madrid, Spain)

**11:50 Mas allá de las buenas prácticas: competencia cultural**

E. Martínez García (Guadix, Spain)

**12:10 Actualidad obstétrica en España.**

R. Plata Quintanilla (Santander, Spain)

**12:50 Matrona: la profesión mejor valorada por las mujeres**

M.D. Pozo Cano (Granada, Spain)

**13:10 Tratamiento psicosocial del vaginismo y la dispareunia en la mujer**

R. Sánchez Garzón, G. Arancibia

**13:40 Reflexiones a partir de los resultados de la Encuesta de asistencia de las gestantes a los programas de E.M.**

T. Cabrera Sanz (Madrid, Spain)

**Ruegos y preguntas**

**Comité Científico.**

**Presidenta:** M. Rodríguez Rozalén (Madrid, Spain)

**Vicepresidenta:** R. Plata Quintanilla (Santander, Spain)

**Vocales:** C. Navarro, I. Manzano, S.Gotor, I. Castelló, I.Egües

**14:00-15:30 Working Lunch – Meet the Professors 1**

P. Brocklehurst - Epidemiological study design and conduct  
Y. Englert - IVF and perinatal outcome  
A. Greenough - Neonatal intensive care  
M. Hod - Diabetes  
M. Kilby - Twins  
M. Moro - Human milk in preterm infants  
S. Robson - PPRM  
N. Sebire - Pathology of placenta  
U. Simeoni - Resuscitation of premies  
M. Stark - Cesarean section  
A. Valls i Soler - Surfactant

15:30-17:00

**Concurrent Session 1 - Stillbirth and the near death cases**

Chairpersons: F. Facchinetti (Italy), A. Kafkasli (Turkey)

Speakers:

N. Sebire (UK) – Role of postmortem examination in determining the cause of stillbirth  
F. Facchinetti, F. Monari (Italy) – Management of pregnancy next to stillbirth  
G.C. Smith (UK) – Methods for predicting and preventing stillbirth  
S. Lacziko (Romania) - Maternal hemoglobin concentration and risk of antepartum stillbirth  
A.M. Lee (China) - Adverse outcomes of antenatal depression and anxiety

**Concurrent Session 2 - Outcome of IVF – A joint session with ESHRE**

Chairpersons: L. Gianaroli (Italy), P. Barri (Spain)

Speakers:

L. Gianaroli (Italy) - The IVF panorama from ESHRE  
B. Tiras (Turkey) - The effect of endometrial polyps on IVF  
G. Serour (Egypt) – IVF pregnancy in the over 40s  
T. Motrenko (Montenegro) – Ovarian hyperstimulation syndrome in ART pregnancy- possibilities for treatment  
J. Figueras Aloy (Spain) – Factors associated with assisted reproduction technologies (IVF, ICSI) and neonatal outcomes according to single or multiple pregnancies

**Concurrent Session 3 - Breastfeeding in the world**

Chairpersons: M. Yayla (Turkey), J.M. Fraga (Spain)

Speakers:

A. P. Betran, M. Meriardi (Switzerland) – Overview of breastfeeding practices in the world  
D. Haumont (Belgium) – Resistance towards breastfeeding  
G. Moro (Italy) - Fortification of human milk in VLBW infants feeding: state of the art  
N. Charpak (Colombia) – kangaroo care and breastfeeding the premature infant  
I. Neri (Italy) – Acupuncture help for breastfeeding  
S. Arslanoglu (Italy) – Donor human milk for preterm infants: evidence and recommendations

**Concurrent Session 4 - Current problems in management of premature infants**

Chairpersons: V. Carnielli (Italy), J. Perapoch (Spain)

Speakers:

M. Cuttini (Italy) – Monitoring perinatal outcomes through the use of vital statistics: benefits and problems  
J.A. Hurtado (Spain) - Hospital management of the late preterm in Spain. A national survey  
M. Szymankiewicz – Newborn outcome after assisted reproduction techniques – experiences and reflections  
E. Saliba (France) – Anemia in the preterm infant  
E. Baibarina (Russia) - Arterial hypotension in critically ill newborn  
C.P. Speer (Germany) – Do we have an option to prevent or treat BPD?

**Joint Session EBCOG-EAPM-ESPR 15.30 -17.00**

Chairpersons: C. Sen (EAPM), P. Hornnes (EBCOG), N. Marlow (ESPR)

**Education and Training:**

P. Hornnes - Quality of training in Obstetrics and Gynecology

J. Wladimiroff -Organization of the department for training in OB&GYN

C. Sen - Quality of training in perinatal medicine

U. Simeoni - Quality of training in neonatal medicine

G. Greisen – TBD

**Spanish Meeting of Perinatal Medicine 1 – Cesarean section 15.30 -17.00**

Chairpersons: J.C Melchor (Bilbao, Spain), R. Jiménez (Barcelona, Spain)

Speakers:

J. Burgos (Bilbao, Spain) – ¿Reduce la versión cefalica externa la tasa de cesáreas?

D. Sanchez Nieves (Madrid, Spain) – Desarrollo de estándares para el uso apropiado de la cesárea

J. A. Garcia Hernandez (Las Palmas de Gran Canaria, Spain) – Complicaciones a largo plazo de la cesárea

J. Guzmán Cabañas (Cordoba, Spain) - Cesárea. Opinión del Neonatólogo

15.30 -17.30

**Portuguese Language Meeting**

Coordinators: M. Zugaib (Brazil), N. Montenegro (Portugal), T. Neto (Portugal)

N. Montenegro (Portugal) – Strategies for prenatal care: screening and diagnosis

M. Zugaib (Brazil) – Management of placenta previa accreta

M.T. Neto (Portugal) – VLBW, regionalization and perinatal transport

Selected communications

P. Paixao (Portugal) - Cytomegalovirus congenital infection registry in Portugal – preliminary results

O. Santos Filho (Brazil) - Assessment of uterine scar from previous cesarean section through grey-level histogram and Doppler

A. Szulman (Brazil) - Real Time PCR for the assessment of RHD $\psi$  pseudogene and RHD-CE-D hybrid gene in Rh negative blood donors

L. Machado (Portugal) - Postpartum anemia: when should we worry?

F. Marques (Portugal) - Values of oxygen saturation in healthy newborn infants- the first 25 minutes of life

S. Pissarra (Portugal) - Neonatal haemochromatosis risk modification with prenatal administration of gammaglobulin in at risk pregnancies

R.A. Vieira (Brazil) - Concentrations of inflammatory mediators in Brazilian newborn with respiratory syncytial virus lower respiratory tract infection

15.30-17.00

**STAN Expert Meeting**

Chairpersons:

I. Amer Wahlin (Sweden), R. Luzietti (Italy), A. Kwee (NL)

17:00-17:30 Tea Break

17:30-19:30

### **Parallel Symposium 1- Iatrogenic survival of VLBW**

Chairpersons: P. Zoban (Czech Republic), M. Vento (Spain)

Speakers:

N. Marlow (UK) - The totality of childhood morbidity after extremely preterm birth

D. Vidyasagar (USA) - Survival trends and morbidity in VLBW infants

F. Scopesi (Italy) – How and when respiratory support is creating damage?

T. Del Moral (USA) – Ethical dilemmas, viability and decisions to discontinue treatment

J. Gadzinowski (Poland) – Practical and ethical consideration of the clinical management of infants at the borderline of viability

P. Zoban (Czech Republic)- Current perspective of babies less than 750 g on further intact development

### **Parallel Symposium 2- Prediction of PTL**

Chairpersons: S. Thornton (UK), V. Cararach (Spain)

Speakers:

K. Khan (UK) - Prediction of preterm birth: health technology assessment of available tests

F. Molina (Spain) – Individualized risk assessment for PTD

A. H. Shennan (UK) – Is there a role for preterm surveillance?

W. Henrich (Germany) – Cervicometry and fibronectin role

I. Hosli (Switzerland) – High risk outpatient management

### **Parallel Symposium 3 – Post partum haemorrhage**

Chairpersons: O. Gliozheni (Albania), J. Bajo Arenas (Spain)

Speakers:

L. Cabero (Spain) – Mortality and morbidity postpartum

B. Stray-Pedersen (Norway) – Caesarean section and post partum haemorrhage

B. Serra (Spain) – Use of LMWH and pregnancy

G. Breborowicz (Poland) – Postpartum hemorrhages: old problem –new solutions

Z. Alfirevic (UK) – Postpartum haemorrhage: what if uterotonics and surgery are not enough?

### **Parallel Symposium 4 - The atopic fetus and newborn**

17.30 -18.30

Chairpersons: S. Arsan (Turkey), A. Martin Ancel (Spain)

Speakers:

S. Arsan (Turkey) – Atopic newborn and atopic young infant: associations with the perinatal period

G. Devereux (UK) – Are topic diseases a consequence of fetal nutrition?

Z. Szepfalusi (Austria) – Perinatal immune modulation: promising treatment approaches of allergic diseases?

### **Spanish Meeting of Perinatal Medicine 2 - Parto y reanimacion del recién nacido de muy bajo peso**

17.30 -19.00

Chairpersons: T. Martinez-Astorquiza (Bilbao, Spain), J. Fraga Bermúdez (Santiago, Spain)

Speakers :

M. Sancha (Madrid, Spain)- El parto del gran prematuro

M. Aguar (Valencia, Spain)- RCP en el recién nacido de muy bajo peso

J. López de Heredia (Oviedo, Spain) - Dilemas éticos en la RCP del RNMBP

J. Pérez Rodríguez(Madrid, Spain) - Las primeras horas de vida en el RNPEB. Intervenciones y controles

**Asamblea SEMP** 19.30 -20.30

### **General Assembly EAPM**

**Chairman: C. Sen**

17.30 -19.30

21:00-23:30 **Speakers Dinner**

## FRIDAY, MAY 28

8:00-9:00

### Free Communications

#### Session C4

Chairpersons: M. Gallo (Spain), S. Robson (UK)

K. Puchner (Greece) - Can apoptotic molecules during genetic amniocentesis be used to predict preterm delivery?

A. Maza Jimenez (Spain) – Application of a pregnancy program for the prevention of premature birth. 20 years

M. Gurol Ugur (Turkey) –Assessment of maternal serum sialic acid levels in preterm versus term labor: a prospective –controlled clinical study

S. Gomez (Spain) - Antibiotic treatment for prevention pretem birth in pregnant woman with bacterial vaginosis. A systematic review and a meta-analysis

J. Wax (UK)- Atosiban is cost saving compared to betamimetics in the treatment of preterm labour in Italy

N. Masaoka (Japan)- The effects of sivelestat sodium hydrate on the uterine contraction and the concentration of maternal and fetal blood

#### Session C5

Chairpersons: M. Stark (Germany), P. Panagopoulos (Greece)

A.P. Londero (Italy) - Risk factors for cesarean section during labour: the role of weight gain during pregnancy as independent risk factor for labour complications requiring urgent cesarean section

J. Garcia Adánez (Spain) - "Four-hour rule" increases vaginal birth after cesarean delivery

D. Pascal (UK) -Success or failure in instrumental delivery. Is there a difference in the risk factor ?

C. De Bonrosto (Spain) - Ultrasound assessment in second stage of labour and prediction of spontaneous or instrumental vaginal delivery

T.H. Kim (South Korea) - Efficacy and Prevention of vesico-uterine adhesion after cesarean section with adhesion barrier (Interceed)

F. Kotsuji (Japan) - Usefulness of the transverse uterine fundal incision for placenta previa

#### Session C6

Chairpersons: I. Meizner (Israel), G. Clerici (Italy)

S. Ahmed (Ireland)- Feasibility and accuracy of a two-minute obstetric ultrasound examination in comparison to conventional obstetric scanning (Jun 2009)

A. Lee (Norway) - Superior vena cava flow: feasibility and reliability of the method

M.M. Falcón-Martín (Spain)- Three dimensional power Doppler indices in the evaluation of cerebral blood flow in fetuses of diabetic mothers

A. Papitashvili (Georgia) - Ultrasound Diagnostic of Viral Intrauterine Infection

E.M. Smout (UK) - The use and accuracy of manual and electronic gestational age calculators

T. Braun (Germany)- Antenatal glucocorticoid treatment affects fetal growth and development independent of dose

M. Santini (Italy) – Low risk birth center: the Florence experience

9:00-9:30

**Opening lecture – Plenary Session 2:**

**Impact of molecular genetics in perinatal medicine** - T. H. Bui (Sweden)

Introduction by G.C. Di Renzo (Italy)

9:30-11:30

**Plenary Session 2 - The twilight zones in perinatology**

Chairpersons: Y. Ville (France), X. Carbonell-Estrany (Spain)

-Management of PPRM at 32-36 weeks gestation – S. Robson (UK)

-Which are the risks of an operative delivery at 33-37 weeks – A. Antsaklis (Greece)

-Is maturity always reached? Do they need corticosteroids? G. Visser (The Netherlands)

-The late premature babies- are they different from the term newborn? G. Zaharie (Romania)

-Elective low risk delivery at 37-38 weeks: iatrogenic risk to the newborn? - M. Hallman (Finland)

-Sex and pregnancy: all way long? – D. Farine (Canada)

11:30-12:00 *Coffee Break*

**Poster 2 11:30-15:00**

12:00-13:00

**Challenge the Speaker 3 - Fetal macrosomia-** I. Blickstein (Israel)

Chairpersons: B. Stray Pedersen (Norway), S. Manzanares (Spain)

Discussants: M. Robson (Ireland), M. Kilby (UK)

**Challenge the Speaker 4 - PDA management** - U. Simeoni (France)

Chairpersons: L. Gortner (Germany), A. Greenough (UK)

Discussants: R. Plavka (Czech Republic), M. Hallman (Finland)

**Neonatal Nurse II 11.30-14:00**

**"LACTANCIA MATERNA: JUNTOS PODEMOS"**

Moderadora: M. García Franco

Ponentes:

H. Strivens (Granada, Spain) -

J. Aguilar Ortega (Madrid, Spain) - Coordinación entre niveles asistenciales para la promoción, protección y ayuda a la lactancia materna

J. Castillo Vera (Granada, Spain) – Niños especiales, madres especiales

**Midwives II 11.30 -14:00**

**Atención al parto normal**

Moderadora: C. Martínez Romero (Murcia, Spain)

11.30

La Federación de Asociaciones de Matronas de España promoviendo procesos fisiológicos en Salud Reproductiva: Iniciativa Parto Normal

M.C.Velasco Juez (Granada, Spain)

12.30 a 14.00

Mesa redonda. Prácticas de calidad en la atención al parto normal

Estándares de calidad en la asistencia al parto normal

L. Margaix Fontestad (Granada, Spain)

Una alternativa no farmacológica a la disminución del dolor en el parto: la acupuntura

S.Moreno Merino

Posiciones en el parto

B. Herrera Cabrerizo (Jaén, Spain)

**Coloquio**

11:30 -13:30

**Symposium "Probioticos en la etapa perinatal" – supported by an unrestricted grant by Puleva**

Losada Martinez (Spain) – Probioticos en prematuros

Sanchez Luna (Spain) – Probioticos en el recién nacido

Hurtado Suazo (Spain) – Probioticos de leche materna en alimentación infantil: estudios de intervención nutricional

Jimenez Quintana (Spain) – La leche materna: una fuente de bacterias probióticas para el intestino del neonato

13.30-15.00

**Luncheon Symposium – supported by an unrestricted grant by Ferring**

**Common errors and remedies in managing postpartum haemorrhage**

Chairperson: G.C. Di Renzo (Italy)

G.C. Di Renzo (Italy) - Introduction

T. Draycott (UK) – Latest developments in PPH training and management

W.H Rath (Germany)– Definitions and diagnosis of PPH: Underestimated Problems

D. Farine (Canada) – Active management of the third stage of labour: prevention and treatment of postpartum haemorrhage. Errors and remedies

G.C. Di Renzo (Italy) – Panel Discussion

G.C. Di Renzo (Italy) – Closing Remarks

13:00-14:00

**Special Lecture 3:**

Chairpersons: I. Meizner (Israel), F. Facchinetti (Italy)

**Induction of labor and prolonged pregnancy – C. O’Herlihy (Ireland)**

Selected interventions:

M. Kashanian (Iran) - A comparison between the effect of oxytocin only and oxytocin plus propranolol on the labor (A double blind randomized trial)

A.R. Hatanaka (Brazil) - Cervical ripening with isosorbide mononitrate and collateral effects

M. Theodora (Greece) – Predictive factors for duration of labour following induction at term

F. Facchinetti (Italy) – Clinical application of the slow release insert of vaginal prostaglandine E2. An update

**Special Lecture 4:**

Chairpersons: J. Nijhuis (The Netherlands), M. Stanojevic (Croatia)

**Anesthetic management of labor pain: what does an obstetrician need to know? - K. Kuczkowski (USA)**

Selected interventions:

N. Radunovic (Serbia): Invasive diagnostic procedures and fetal pain

S. Triunfo (Italy)- The effect of epidural analgesia on caesarean section using Robson’s classification

L. Hosseini (Iran) - The effects of subcutaneous injection of sterile water on labor pain

M. Stanojevic, A. Kurjak (Croatia) - Fetal to neonatal awareness of pain - role of 4D ultrasound

**14:00-15:30 Working Lunch – Meet the Professors 2**

I. Blickstein - Macrosomia

L. Cabero Roura - Postpartum haemorrhage

X. Carbonell - RSV prophylaxis in preterm babies

V. Carnielli - Management of premies

E. Gratacos - Prenatal diagnosis

M. Hallman - Surfactant

D. Haumont - Parental nutrition

E. Saliba - Infections and brain damage

M. Stark – Cesarean section

M. Vento - Resuscitation of the term and premature infant

Y. Ville - Prenatal ultrasound

G. Visser - Prenatal steroids

15:30-17:00

### **Concurrent Session 5 – CMV in fetal neonatal periods**

Chairpersons: N. Kultursay (Turkey), M. Jañez (Spain)

Speakers:

G.A. Dekker (Australia) – Viruses and adverse pregnancy outcome

O. Coll (Spain) - Which may be the best clinical approach: Maternal vaccine? Fetal diagnosis and treatment? Neonatal screening?

G.Nigro (Italy) - Therapy of fetal cytomegalovirus infection

K. Hamprecht (Germany) – Lactation and postnatal CMV infection

E. Coclite (Italy) - Efficacy of prolonged courses of valganciclovir in infants with congenital cytomegalovirus (CMV) infection and severe congenital cerebropathy

### **Concurrent Session 6 – Progesterone in obstetrics - supported by an unrestricted grant by Besins Healthcare**

Chairpersons: S. Schmidt (Germany), A.D. Makatsariya (Russia)

Speakers:

Z. Alfrevic (UK)– Progesterone: from the past to the future

G.C. Di Renzo (Italy) – The choice of progesterone and the way of administration

F. Facchinetti (Italy) – Progesterone or 17 hydroxy Progesterone –is it time to differentiate?

D. Farine (Canada) - Progesterone: which study and guidelines should we follow?

### **Concurrent Session 7 –Gender aspects in perinatology**

Chairpersons: A. Kurjak (Croatia), B. Serra (Spain)

Speakers:

J. Bartha (Spain) – Clinical relevance of fetal sex determination from maternal blood at early pregnancy

J. Bernardes (Portugal) - Gender differences in linear and complex fetal heart rate (FHR) dynamics

G.H. Visser (The Netherlands) – Poor boys, brave girls

E. Shinwell (Israel) - Effects of gender on respiratory morbidity in preterm neonates

### **Concurrent Session 8 – Antioxidants in maternal fetal neonatal medicine**

Chairpersons: N. Radunovic (Serbia), S. Andersson (Finland)

Speakers:

J. Martinez Orgado (Spain) – Cannabinoids as natural antioxidants: role in perinatal medicine

O.D Saugstad (Norway) – Oxidative stress in the newborn

M. Vento (Spain) - Antenatal steroids and oxidative stress in the ELBW infant

G. Buonocore (Italy) – Antioxidant strategies in the newborn

### **Spanish Meeting of Perinatal Medicine 3 - Infecciones en perinatología**

15.30 -17.00

Chairpersons: E. Fabre (Zaragoza, Spain)

Speakers:

A.Aguaron (Madrid, Spain) – Corioamnionitis. Diagnóstico y tratamiento

N. Gonzalez (Santa Cruz de Tenerife, Spain) – Screening for infections in pregnancy. What tests should we offer?

B. Fernandez Colomer – Neonatal Sepsis Vertical Transmission. An epidemiological study from the “Grupo de Hospitales Castrillo”

J. Figueras Aloy - Corioamnionitis y patología perinatal

17:00-17:30 Tea Break

17:30-19:00

**Breaking News Session 2: European Guidelines for management of neonatal RDS**

V. Carnielli (Italy), H. Halliday (UK), C. Speer (Germany)

Speakers:

D. Sweet (UK), C.P. Speer (Germany) - European Consensus Guidelines on the management of neonatal respiratory distress syndrome in preterm infants – 2010 update

17:30-20:00

**Parallel Symposium 5– Prediction and prevention of preeclampsia**

Chairpersons: L. Cabero Roura (Spain), W. Holzgreve (Switzerland)

Speakers:

F. Crispi (Spain) – Angiogenic factors and preeclampsia

I. Caniggia (Canada)- Is good or bad oxygen at the root of placental pathologies?

A.L. Tranquilli (Italy) – Blood pressure monitoring in the screening for gestational hypertension and preeclampsia

F. Prefumo (Italy) – First trimester prediction

F. M. Severi (Italy) – Preeclampsia, growth retardation: estimation of fetal weight

W. Holzgreve (Switzerland) – The role of circulating fetal cells for prediction of preeclampsia

E. Bujold (Canada) - Prevention of preeclampsia with low-dose aspirin started during first trimester

17:30-19:30

**Parallel Symposium 6 – GBS infections**

Chairpersons: A. Greenough (UK), J. Lopez Sastre (Spain)

Speakers:

M. de La Rosa (Spain) – GBS detection, pregnant woman and newborns. Optimizing strategies.

B. Stray-Pedersen (Norway) – The “vaginal” prevention of GBS transmission

V. Elvedi-Gasparovic (Croatia) -GBS treatment in labor- antibiotic use or abuse?

B. Martinez de Tejada (Switzerland) – GBS screening in the labor ward: future or reality?

X. Carbonell-Estrany (Spain) – Impact and limitations of the GBS prophylaxis: a prospective study

M.T. Neto (Portugal) – GBS screening and perinatal infection: controversial aspects

17:30-20:00

**Parallel Symposium 7 – Twins**

Chairpersons: U. Gembruch (Germany), E. Carreras (Spain)

Speakers:

G. Monni (Italy) - Fetal Screening on aneuploidies in multiples

N. Rizzo (Italy) – Prenatal invasive diagnostic procedures

K.E. Hack (The Netherlands) – Antenatal monitoring and timing of delivering in twin pregnancies

R. Quintero (USA) – TTTS update

M. Kilby (UK) – Intrauterine growth restrictions in monochorionic twins

E. Gratacos (Spain) – The death of a twin: which implications?

A. Mikhailov (Russia) – Optimal management of dichorionic twins

17:30-18:30

**Parallel Symposium 8 – Stem cells in perinatology and cord blood banks**

Chairpersons: G.C. Di Renzo (Italy), T.H Bui (Sweden)

Speakers:

T.H Bui (Sweden) – Stem cells and in utero transplant

J.A. Madrigal (UK) – TBD

A. Perales Marin (Spain) – Obstetric Factors influencing the hematopoietic content of cord blood units

H. Zeisler (Austria) - Advantage of biobanking and networking

17:30-19:30

**Chinese- Spanish Session/European Chinese Perinatal and Reproductive Network (ECPRN)**

Coordinators: T.K. Lau, T. Duan, B.Sun, L.Cabero Roura, X. Carbonell

T.K. Lau – Twin pregnancy: Double happiness?

K.W Choy (China) – The power of a CGH Chip in prenatal diagnosis

Y. Hu (China) - Human cytomegalovirus seroprevalence in pregnant women with adverse pregnancy outcomes in Jiangsu, China

Z. Wang (China) - Seroprevalence of hepatitis B surface antigen among pregnant women in Jiangsu, China, 17 years after introduction of hepatitis B vaccine

W. WK To(Hong Kong) -Maternal chronic hepatitis B infection and its impact on uterine artery Doppler screening for pre-eclampsia

W. WK To(Hong Kong) - Bone mineral density changes in pregnancies with gestational hypertension as measured by quantitative ultrasound

B. Sun, Y. Wang (China) - Effects of inhaled nitric oxide in term and near-term neonates with hypoxemic respiratory failure. A prospective, cluster-controlled study

**Arabic Session**

Coordinators: A Badreldeen (Qatar), A. Ebrashy (Egypt), R. Sacy (Lebanon)

A Badreldeen (Qatar) – Assessment of the fetal neurobehavior in fetuses and infants of women with type-1 diabetes mellitus based on 3D-4D sonography

M. Momtaz (Egypt) – Twins, from art to SCBU

A. Ebrashy (Egypt) – Controversial ultrasound findings in mid trimester pregnancy

H. Nasrat (Saudi Arabia) – Prenatal diagnosis, its potential impact on the prevalence and management of congenital anomalies

M. Khashaba (Egypt) - Neuroprotection in hypoxic ischemia - Egyptian Data

J. Haddad (Lebanon) - The limit of viability in the arabic countries

R. Sacy (Lebanon) - Perinatal health in MENA area

M. Al Shammari (Kuwait) –

## SATURDAY, MAY 29

8:00-9:00

### Free Communications

#### Session C7

**Chairpersons:** A.L. Tranquilli (Italy), U. Gembruch (Germany)

F. Rodriguez (Spain) - Uterine artery doppler and three-dimensional ultrasound placental volume calculation at 11 + 0 to 13 + 6 weeks in the prediction of pre-eclampsia

G. Caracostea (Romania) - The evaluation of biochemical markers for fetal cardiac dysfunction in patients with preeclampsia

W. Gyselaers (Belgium) - Abnormal hemodynamic function of the maternal venous compartment is part of the pre-eclampsia related cardiovascular maladaptation syndrome

D. Di Fraja (Italy) - Thalassemic trait is a protective factor for preclampsia?

G.M. Savelyeva (Russia) - Eclampsia in current obstetrics

A.D Makatsariya (Russia) - Pathogenetic prophylaxis in parents with genetically determined hyperhomocysteinemia and history of antenatal fetal death

D. Darmochwal-Kolarz (Poland) - The expression of Interleukin-17 (IL-17) are increased in pre-eclampsia

#### Session C8

**Chairpersons:** M. Gojnic (Serbia), N. Rizzo (Italy)

M. Gojnic (Serbia) - Thyroid status – the cause of hyperemesis

H. Cammu (Belgium)- Maternal education and intervention-free childbirth in nulliparous women

P. Tamas (Hungary) – Fetal birth weight correlates to maternal cardiac output

L. Sichinava (Russia) - Monochorionic twins: perinatal outcomes

B. Blondel (France) - Variations in the management of multiple deliveries in Europe and the impact on mortality

L.E. Tumanova (Ukraine) - Dynamics of incidence of delivery in women with long intergenetic interval

I. Borthen (Norway) - Complications during pregnancy and labour for women with epilepsy

#### Session C9

**Chairpersons:** L. Keith (USA) W. Rath (Germany)

C. Charlotte Holm (Denmark) - Severe post partum haemorrhage and mode of delivery

P. Hummel (The Netherlands) - Carbetocin for the prevention of fluxus postpartum after a caesarean section: efficacy and safety in Dutch practice

C. Deneux (France)- Multifaceted intervention to decrease the rate of severe postpartum haemorrhage: the Pithagore6 cluster-randomised controlled trial

W.H. Zang (Belgium) - Effect of a collector bag to measure postpartum blood loss after vaginal delivery: cluster randomised trial in 13 European countries

M. Król (Poland) - Brain weight evaluation in the neonates exposed to tobacco smoke during fetal life

M.P. Samper (Spain) - The influence of maternal active smoking on fetal growth and body composition of the newborn

**8:30-9:30**

**Opening lecture - Plenary Session 3:** Perinatal brain protection: from bench to bedside

A.D Edwards (UK)

Introduction by F. Chervenak (USA)

9:30-11:30

**Plenary Session 3** - The brain development and damage

Chairpersons: H. Halliday (UK), R. Quintero (USA)

Speakers:

-The value of intrapartum FECG monitoring – I. Amer Whalin (Sweden)

- The effect of recurrent hypoxia and progressive metabolic acidosis on fetal neurodevelopment –

R. Gagnon (Canada)

-Perinatal inflammation and brain damage – E. Saliba (France)

-Drugs to treat brain damage in the neonatal period – M. Levene (UK)

-Therapeutic hypothermia and neonatal encephalopathy – D. Azzopardi (UK)

11:30-12:00 *Coffee Break*

**Poster 3 11:30-15:00**

12:00-13:00

**Challenge the Speaker 5- Rising caesarean section rates- why?** - M. Robson (Ireland)

Chairpersons: M. Stark (Germany), O. Sanchez Nieves (Spain)

Discussants: A. Antsaklis (Greece), T. Frusca (Italy)

**Challenge the Speaker 6- Can mechanical ventilation be avoided?** - E. Bancalari (USA)

Chairpersons: M. Vento (Spain), O. D. Saugstad (Norway)

Discussants: A. Valls i Soler (Spain), E. Molloy (Ireland)

12.00 -13.00

**Breaking News Session 3:** The best innovative communications

**Chairpersons:** J.M. Carrera (Spain), A. Cameron (UK)

G.C. Di Renzo (Italy) - **An update on European Guidelines on diagnosis and prevention of preterm labour and preterm rupture of membranes**

C. Redman (UK) - The Triage® PLGF Test: Evaluation of Circulating Levels of Placental Growth Factor in Plasma as an Aid to the Diagnosis of Preterm Pre-eclampsia

F. Grati (Italy) – BACs-on-beads, a new technology for rapid detection of fetal microdeletions and aneuploidies: result of the validation study on prenatal samples

M. Lubusky (Czech Republic) – Fetomaternal haemorrhage in deliveries by caesarean section

M.C. Brochut (UK)- Clinical accuracy of a low cost portable device in pregnancy and pre-eclampsia: The Nissei DS-400

12.00 -13.00

**Controversies**

Routine use of 3D and 4D sonography

Chairperson: G.H. Visser (NL)

Yes: A. Kurjak (Croatia)

No: G. Rizzo (Italy)

**Special Courses**

12.00 -13.30

**Hands on fetal echography** - G. Clerici (Italy)

**Hands on neonatal echography** - L.A. Ramenghi (Italy)

13:00-14:00

**Special Lecture 5:**

Chairpersons: R. Quintero (USA), M. Gallo (Spain)

**Fetal surgery** – J. Deprest (Belgium)

Selected Interventions

B. Carbonne (France) – Use of MCA-PSV in the timing of serial in utero

R. Lenclen (France)- Growth outcome at 2 years in preterm twins treated by fetoscopic laser surgery for twin-to-twin transfusion syndrome: comparison with dichorionic twins

M. Tchirikov (Germany) - Use of modified ultra-thin fetoscope for laser coagulation of placental anastomoses in twin-to-twin transfusion syndrome significantly improves neonatal outcome

**Special Lecture 6:**

Chairpersons: M. Weindling (UK), C. Campoy (Spain)

**Combination of genetics and epigenetic regulations to modulate gene expression in human pathological placentas** – D. Vaiman (France)

Selected Interventions

E. Anastasakis (Greece)- Non invasive assessment of the endothelial function by uterine artery Doppler flow velocimetry and indices of arterial structure and function

O. Williams (Belgium) - Initial pulmonary morphometric and histological findings in a rat model of prolonged oligohydramnios

E. Yatrakou (Greece) - School Performance at Age 7 of Children Born Late Preterm (34-36+6)

13:00-14:30

**Prevention and Diagnosis of Congenital Toxoplasmosis and CMV infections. Are we on the right track? - supported by an unrestricted grant from Abbott Laboratories**

Chairperson: M. Gonser (Germany)

Introduction: M. Gonser (Germany)

I. Mylonas (Germany) - Toxoplasmosis in pregnancy and prevention of fetal infection

T. Lazzarotto (Italy) – New advances in the diagnosis of congenital CMV infection

Questions and answers

**14:00-15:30 Working Lunch – Meet the Professors 3**

A. Antsaklis - Cesarean section

A.D. Edwards - Brain damage

F. Facchinetti - Progesterone

M. Gallo -Prenatal diagnosis

G. Greisen - Brain circulation and oxygenation

H. Halliday - Surfactant

M. Levene - Injury of the developing brain

M. Robson - Management of labor

O. Saugstad -Oxygenation

C. Sen - Congenital heart defects

D. Maulik (USA) – Management of fetal heart anomalies

15:30-17:50

### **Concurrent Session 9 – Lungs and steroids in perinatal medicine**

Chairpersons: A. Perales Marin (Spain), A. Aksit (Turkey)

Speakers:

J. Deprest (Belgium) – Fetal MRI: lung assessment

M.M. Anceschi (Italy) – Antenatal steroids: are we confident on the evidence?

G. Visser (The Netherlands) - Side effects of antenatal corticosteroids

T.Y. Leung (Hong Kong)– Repeat steroids: cause more harm than good?

E. Shinwell (Israel) - Postnatal steroids and long-term outcome

### **Concurrent Session 10 - Perinatal echocardiography**

Chairpersons: D. Maulik (USA), A. Galindo (Spain)

Speakers:

G. Rizzo (Italy) -4D fetal echocardiography in the definition of congenital heart disease

F. Stamatian (Romania) - Fetal echocardiography: 2D vs. STIC and 3D/4D

C. Sen (Turkey) – The four chamber view: is it enough?

U. Gembruch (Germany) - Diagnosis and treatment of left heart obstruction

D. Maulik (USA) - Obstetrical management of fetal congenital heart disease

J.Carvalho (UK) - Perinatal management of the fetus with congenital heart disease

### **Concurrent Session 11 - Perinatal infections and later diseases**

Chairpersons: B. Stray Pedersen (Norway), O. Coll (Spain)

Speakers:

A. Athanasiadis (Greece) - Is TORCH screening compulsory for all pregnant women?.

Z. Hajek (Czech Republic) – The correct time for termination of pregnancy due to infection/inflammation

M. Sanchez Luna (Spain) - Perinatal infection and BPD, any relationship?

F. Raimondi (Italy) – Automated determination of neutrophil volume as screening test for late-onset sepsis in very low birth infants

V. Kuzmin (Russia)- Viral infections of pregnant women: medical management and prevention

V. Malinovskaya (Russia) - Analysis of proinflammatory cytokines in preterm newborns with markers of herpes simplex virus (HSV) and/or cytomegalovirus (CMV) infections

### **Concurrent Session 12 - Growth and system development**

Chairpersons: Y. Ville (France), G.P. Donzelli (Italy)

Speakers:

N. Cameron (USA) – Maternal programming of the reproductive system of the offspring

J. Nijhuis (The Netherlands) – Neurobehavioural development

A. Matias (Portugal) – Development of face and detection of dysmorphisms

M. Weindling (UK) - Ontogeny of the hypothalamo-pituitary-thyroid axis and its interaction with the hypothalamo-pituitary-adrenal axis

M.R.G. Carrapato (Portugal)– Intrauterine growth and late metabolic syndrome

### **17:50 -18:00 Closing ceremony:**

C. Sen, Y. Ville, U. Simeoni, F. Montoya, J. Romero