ULTRASOUND MEETS MAGNETIC RESONANCE

April 22\textsuperscript{nd} – 24\textsuperscript{th}, 2015

Scientific Inspiring Committee
Yves Ville
Daniela Prayer

Congress Scientific Committee
Gustavo Malinger
Gianluca Pilu
Luca Ramenghi
Andrea Rossi
April 22nd

12.00 - 12.20  **INTRODUCTION**  
*Yves Ville - Luca Ramenghi*

12.20 - 13.00  **KEY NOTE LECTURE 1**  
**DETAILED FETAL MRI EXAMINATION, AN ALTERNATIVE TO FETAL ULTRASOUND EXAMINATION?**  
*Anne Elodie Millischer (Paris, France)*

**SESSION 1: ADVANCED MRI TECHNIQUE FOR THE FETAL BRAIN**  
*Chairpersons: Gustavo Malinger (Tel Aviv, Israel)*

13.00 - 13.30  **APPLICATION OF INTRAUTERINE DIFFUSION TENSOR IMAGING**  
*Christian Mitter (Vienna)*

13.30 - 13.50  Discussion

13.50 - 14.20  **ABNORMALITIES OF FETAL GANGLIONIC EMINENCE**  
*Andrea Righini (Milan, Italy)*

14.20 - 14.50  **QUANTITATIVE ASSESSMENT OF FETAL BRAIN DEVELOPMENT THOUGH VOLUMETRIC 3D-MRI**  
*Ellen Grant (Boston, USA)*

14.50 - 15.10  Discussion

15.10 - 15.30  **BREAK**
SESSION 2: CONTROVERSIES IN DIAGNOSIS OF THE POSTERIOR FOSSA MALFORMATIONS

Chairpersons: Yves Ville (Paris, France)

15.30 - 16.00  BLAKE’S CYST. IN UTERO DIAGNOSIS AND PITFALLS
                Dario Paladini (Genoa, Italy)

16.00 - 16.30  BLAKE’S CYST. OUTCOME
                Andrea Righini (Milan, Italy)

16.30 - 17.00  VARIETY OF POSTERIOR FOSSA MALFORMATIONS AND OUTCOME
                TBD

17.00 - 17.30  Discussion

17.30 - 18.30  6 SELECTED ORAL COMMUNICATION (7 minutes + 3 discussion)
April 23th

8.30 - 9.15  KEY NOTE LECTURE 2
THE IMPORTANCE OF NEUROEMBRYOLOGY
Martin Catala (Paris, France)

SESSION 3: VIRTUAL AUTOPSY
Chairperson: Yves Ville (Paris, France)

09.15 – 09.35  HIGH RESOLUTION DTE OF NORMAL BRAIN DEVELOPMENT IN VITRO
Ellen Grant (Boston, USA)

09.35 – 09.55  FETAL AUTOPSY CT IN THE FIRST TRIMESTER
Claudio Lombardi (Milan, Italy)

09.55 – 10.15  FETAL MRI
TBD

SESSION 4: THE COMPLEXITY OF CORTICAL DEVELOPMENT
Chairperson: Eugenio Mercuri (Roma, Italy)

10.15 - 10.45  ULTRASOUND DIAGNOSIS OF FETAL CORTICAL MALFORMATION
Gianluigi Pilu (Bologna, Italy)

10.45 - 11.10  BREAK

11.10 - 11.40  MRI DIAGNOSIS OF FETAL CORTICAL MALFORMATION
Andrea Righini (Milan, Italy)

11.40 - 12.10  CLINICAL OUTCOME OF CORTICAL MALFORMATION
TBD

12.10 - 12.30  Discussion

12.30 - 13.30  4 GRAND ROUND SESSION (15 minutes discussion included)
WE SUGGEST TO CANCEL THIS SESSION
2 images + 1 question
SESSION 5: HEART AND BRAIN
Chairperson: (TBD)

13.30 - 14.00  FETAL ECHOCARDIOGRAPHY TODAY
   Pro: TBD
   Con: Chaoui Rabih (Berlin, Germany)

14.00 – 14.30  FETAL CARDIAC MRI: FRIEND OR FOE
   Francesca Raimondi (Paris, France)

14.30 – 15.00  POSTNATAL CARDIAC MRI
   Francesca Raimondi (Paris, France)

15.00 - 15.20  Discussion

15.20 - 15.45  BREAK

15.45 - 16.15  BRAIN MRI IN CARDIAC MALFORMATIONS
   Ellen Grant (Boston, USA)

16.15 – 16.45  CHARGE SYNDROME
   Pascale Sonigo (Paris, France) - Laurent Salomon (Paris, France)

16.45 – 17.15  THE MOST COMMON VASCULAR ACQUIRED LESIONS IN SUCH NEONATES
   Paul Govaert (Rotterdam, Netherlands)

17.15 – 17.45  Discussion

17.45 - 18.45  6 SELECTED ORAL COMMUNICATION (7 minutes + 3 discussion)
April 24th

08.45 - 09.30  KEY NOTE LECTURE 3  
FETAL ANGIOMAS  
Laurent Guibaud (Lyon, France)

SESSION 6: VEIN OF GALEN MALFORMATION  
Chairperson: (TBD)

09.30 - 10.00  FETAL ULTRASOUND FEATURES  
Benjamin Deloison (Paris, France)

10.00 - 10.30  FETAL AND NEONATAL MRI  
Andrea Rossi (Genoa, Italy)

10.30 - 11.00  THE RATIONALE FOR TREATMENT  
Carlo Gandolfo (Genoa, Italy)

11.00 - 11.20  Discussion

11.20 - 11.40  BREAK

SESSION 7: UP DATE ON SPINE ANOMALIES  
Chairperson: Luca Ramenghi (Genoa, Italy)

11.40 - 12.10  US AND DYSRAPHYSM  
TBD

12.10 - 12.40  THE COMPLEXITY OF MRI DIAGNOSIS  
Andrea Rossi (Genoa, Italy)

12.40 - 13.00  Discussion

13.00 - 14.00  4 GRAND ROUND SESSION (15 minutes discussion included)  
WE SUGGEST TO CANCEL THIS SESSION  
2 images + 1 question
SESSION 8: FETAL INFECTIONS
Chairpersons: (TBD)

14.00 - 14.30  US DIAGNOSIS
   Yves Ville (Paris, France)

14.30 – 15.00 CMV INFECTION: MRI DIAGNOSIS
   Pascale Sonigo (Paris, France)

15.00 – 15.30 Discussion

15.30 - 16.00  BREAK

SESSION 9: ACQUIRED BRAIN LESIONS, COMMON IN VERY PREMATURE BABIES AND POSSIBLE DURING FETAL LIFE
Chairpersons: (TBD)

16.00 - 16.30  US TO DIAGNOSE FETAL INTRAVENTRICULAR HAEMORRHAGE (IVH) AND VENOUS THROMBOSIS
   Gustavo Malinger (Tel Aviv, Israel)

16.30 -17.00  FETAL CEREBELLAR HAEMORRHAGE AND IVH DIAGNOSED WITH MRI
   Maria Savina Severino (Genoa, Italy)

17.00 -17.30  THE FETAL HYDROCEPHALUS: THE ROLE OF MRI
   Lucia Manganaro (Rome, Italy)

17.30 -18.00  Discussion

18.00 -18.30  THE ROLE OF US AND MRI IN DIAGNOSIS LOW GRADE HAEMORRHAGE OF PREMATURE BABIES
   Luca Ramenghi (Genoa, Italy)

18.30 - 19.00 CLOSING REMARKS