



Ultrasound
Meets
Magnetic
Resonance

April 22nd - 24th
2015

Rome

www.ultrasoundrome2015.eu

ULTRASOUND MEETS MAGNETIC RESONANCE

April 22nd – 24th, 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 THROUGH VOLUMETRIC 3D-MRI

Ellen Grant (Boston, USA)

14.50 - 15.10 Discussion

15.10 - 15.30 **BREAK**

The banner features a composite background. On the left, a classical marble bust of a face is partially visible. In the center, a reproduction of Michelangelo's 'The Creation of Adam' is shown, with the figure of Adam pointing towards the right. On the right, a photograph of St. Peter's Basilica in Rome is visible under a blue sky. The text 'Ultrasound Meets Magnetic Resonance' is overlaid on the left side in yellow and blue. The dates 'April 22nd - 24th 2015' and the word 'Rome' are overlaid on the right side in white. The website 'www.ultrasoundrome2015.eu' is at the bottom in white on a yellow background.

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SESSION 2: CONTROVERSIES IN DIGNOSIS 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

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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**