



**Ultrasound  
Meets  
Magnetic  
Resonance**

April 22<sup>nd</sup> - 24<sup>th</sup>  
2015

**Rome**

[www.ultrasoundrome2015.eu](http://www.ultrasoundrome2015.eu)

## **ULTRASOUND MEETS MAGNETIC RESONANCE**

**April 22<sup>nd</sup> – 24<sup>th</sup>, 2015**

**Auditorium Antonianum  
Rome, Italy**

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### **Scientific Inspiring Committee**

Yves Ville  
Daniela Prayer

### **Congress Scientific Committee**

Gustavo Malinger  
Zoltan Nagy  
Gianluca Pilu  
Luca Ramenghi  
Andrea Rossi

## April 22<sup>nd</sup>

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### 12.00 - 12.20 INTRODUCTION

*Yves Ville - Daniela Prayer - 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)*

### 13.00 – 15.40 SESSION 1

#### ADVANCED MRI TECHNIQUE FOR THE FETAL BRAIN

*Chairpersons: Andrea Rossi (Genoa, Italy) - Gustavo Malinger (Tel Aviv, Israel)*

13.00 – 13.30 Principles and difficulties of fetal diffusion tensor imaging

13.30 - 14.00 Application of intrauterine diffusion tensor Imaging

*Daniela Prayer (Vienna, Austria)*

14.00 - 14.20 Discussion

14.20-14.50 Abnormalities of fetal ganglionic eminence

14.50 - 15.20 Quantitative assessment of fetal brain development through volumetric 3D-MRI

*Ellen Grant (Boston, USA)*

15.20 - 15.40 Discussion

### 15.40-16.00 COFFEE AND TEA BREAK

The banner features a composite image. 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. 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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**16.00 – 18.00 SESSION 2**

**CONTROVERSIES IN DIGNOSIS OF THE POSTERIOR FOSSA MALFORMATIONS**

*Chairpersons: TBA*

16.00 - 16.30 Blake's Cyst. In utero diagnosis and pitfalls

*Dario Paladini (Genoa, Italy)*

16.30 - 17.00 Blake's Cyst. Outcome

17.00 - 17.30 Variety of posterior fossa malformations and outcome

17.30 - 18.00 Discussion

**18.00 - 19.30**

**6 SELECTED FREE COMMUNICATION (15 mins + 10/12 mins discussion)**

**19.00 – 21.00**

**WELCOME RECEPTION**

## April 23<sup>th</sup>

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### 8.30 - 9.15 KEY NOTE LECTURE 2

The importance of neuroembryology  
*Martin Catala (Paris, France)*

### 09.30 – 12.30 SESSION 3

#### THE COMPLEXITY OF CORTICAL DEVELOPMENT

*Chairpersons: TBA*

09.30 - 10.00 Fetal medullary vein and malformations

10.00 - 10.30 Ultrasound diagnosis of fetal cortical malformation  
*Gianluigi Pilu (Bologna, Italy)*

10.30 - 10.45 Discussion

10.45 - 11.10 **Coffee Break**

11.10 - 11.40 MRI diagnosis of fetal cortical malformation

11.40 - 12.10 Clinical outcome of cortical malformation  
*Renzo Guerrini (Florence, Italy)*

12.10 - 12.30 Discussion

### 12.30 - 13.30 LUNCH AND POSTER SESSION 1



The banner features a composite image. On the left, a classical marble bust of a face is partially visible. In the center, a colorful, ethereal figure resembling a cherub or angel floats, surrounded by a purple and pink aura. On the right, a panoramic view of Rome is shown, with the large dome of St. Peter's Basilica being the most prominent feature. The text 'Ultrasound Meets Magnetic Resonance' is overlaid on the left side in a mix of yellow and blue colors. The dates 'April 22<sup>nd</sup> - 24<sup>th</sup> 2015' and the word 'Rome' are positioned on the right side in white. At the bottom, a yellow bar contains the website address 'www.ultrasoundrome2015.eu' in blue.

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**13.30 – 14.14 KEY NOTE LECTURE 3**

**14.15 – 18.20 SESSION 4**

**HEART AND BRAIN**

*Chairpersons: TBD*

14.15 - 14.45 Fetal Echocardiography today

14.45 - 15.15 Fetal cardiac MRI: friend or foe

*Chaoui Rabih (Beirut, Libanon)*

15.15 - 15.45 Brain MRI in cardiac malformations

15.45 - 16.10 Discussion

16.10 - 16.30 **COFFEE & TEA BREAK**

16.30 - 17.00 Postnatal cardiac MRI

17.00 - 17.30 CHARGE syndrome

*Pascale Sonigo (Paris, France) - Laurent Salomon (Paris, France)*

17.30 - 18.00 The most common vascular acquired lesions in such neonates

*Paul Govaert (Rotterdam, Netherlands)*

18.00 - 18.20 Discussion

**18.20 - 19.30**

**5 SELECTED FREE COMMUNICATION (12 MIN EACH – 10 + DISCUSSION)**

*Chairpersons: TBD*

## April 24<sup>th</sup>

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08.30 - 09.15 **KEY NOTE LECTURE 4**

Fetal angiomas

*Laurent Guibaud (Lyon, France)*

**19.30 – 11.20 SESSION 5**

**VEIN OF GALEN MALFORMATION**

*Chairpersons: 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

11.00 - 11.20 Discussion

11.20 - 11.40 **COFFEE BREAK**

**11.40 – 12.10 SESSION 6**

**UP DATE ON SPINE ANOMALIES**

*Chairpersons: TBD*

11.40 - 12.10 US and dysraphism

12.10 - 12.40 The complexity of MRI diagnosis

*Andrea Rossi (Genoa, Italy)*

12.40 - 13.00 Discussion

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13.00-14.00 **LUNCH AND POSTER SESSION 2**

14.00 - 14.45 **KEYNOTE LECTURE 5**

Ventriculomegaly, Cavum Vergae and Septum Pellucidum: current knowledge

**14.45 – 16.10 SESSION 7**

**FETAL INFECTIONS**

*Chairpersons: TBD*

14.45 - 15.15 **US diagnosis**

*Yves Ville (Paris, France)*

15.15 - 15.45 **MRI diagnosis**

15.45 - 16.10 **Discussion**

16.10 - 16.30 **COFFEE & TEA BREAK**

**16.30 – 17.00 SESSION 8**

**ACQUIRED BRAIN LESIONS, COMMON IN VERY PREMATURE BABIES AND POSSIBLE DURING FETAL LIFE**

*Chairpersons: TBD*

16.30 - 17.00 **US to diagnose fetal intraventricular haemorrhage (IVH) and venous thrombosis**

*Gustavo Malinger (Tel Aviv, Israel)*

17.00 -17.30 **Fetal cerebellar haemorrhage and IVH diagnosed with MRI**

*Maria Savina Severino (Genoa, Italy)*

17.30 -18.00 **The fetal hydrocephalus: the role of MRI**

*Lucia Manganaro (Rome, Italy)*

18.00 -18.20 **Discussion**



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18.20 - 18.45 The role of US and MRI in diagnosis low grade haemorrhage of premature babies  
*Luca Ramenghi (Genoa, Italy)*

18.45 - 19.30 The brain of a preterm baby suffering a haemorrhage

*Closing remarks*