



**Ultrasound
Meets
Magnetic
Resonance**

April 22nd - 24th
2015

Rome

www.ultrasoundrome2015.eu

Scientific Program

Starting several sessions with important talks like ?

Ventriculomegaly today (or Cavum Vergae and Septum Pellucidum)

The importance of neuroembriology

Midbrain – Hindbrain and early patterning: imaging

Detailed Fetal MRI examination, an alternative to fetal ultrasound examination?

Fetal angiomas

ADVANCED MRI TECHNIQUE FOR THE FETAL BRAIN

Principles and difficulties of fetal DTI

Application of intrauterine DTI

Abnormalities of Fetal Ganglionic Eminence

Quantitative assessment of fetal brain development though volumetric 3D-MRI

CONTROVERSIES IN THE POSTERIOR FOSSA MALFORMATIONS

Blake's Cyst

In utero diagnosis and pitfalls

Outcome

Variety of posterior fossa malformations and outcome



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UP DATE ON SPINE ANOMALIES

US and dysraphism

Prenatal and Postnatal MRI

UP DATE ON TWINS

VEIN OF GALEN MALFORMATION: PRE AND POSTNATAL MRI FEATURES

Fetal Ultrasound features

Fetal and Neonatal MRI

The rationale for treatment

CORTICAL MALFORMATION

Fetal medullary vein and malformations

Ultrasound diagnosis of fetal cortical malformation

MRI diagnosis of fetal cortical malformation

Clinical outcome of cortical malformation

HEART AND BRAIN

The elephant in the room: brain anomalies in congenital heart disease

Fetal cardiac MRI: friend or foe

Brain MRI in cardiac malformations

Postnatal Cardiac MRI

CHARGE syndrome

The banner features a composite image. On the left, a classical marble bust of a face. In the center, a reproduction of Michelangelo's 'The Creation of Adam' with a purple and blue color scheme. On the right, a view of St. Peter's Basilica in Rome. Text is overlaid on these images.

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The most common Vascular Acquired lesions in neonates

ACQUIRED BRAIN LESIONS

COMMON BRAIN LESIONS IN PREMATURE BABIES THAT CAN DEVELOP DURING FETAL LIFE

The germinal matrix and the cerebellar external granular layer

Haemorrhage In utero Intraventricular Haemorrhage

In utero Cerebellar Haemorrhage and MRI

The preterm brain of babies affected by a haemorrhage

The role of US and MRI in diagnosis low grade haemorrhage of premature babies

The post-haemorrhagic hydrocephalus: rationale for treatment

The fetal hydrocephalus: the role of MRI

HOT TOPICS FOR PAPERS FROM YOUNG TRAINEES – POSTER AND AWARDED