



Azienda Ospedaliera
Universitaria Senese
Complesso Ospedaliero
di Rilevo Nazionale e di Alta Specializzazione
Policlinico Santa Maria alle Scotte



5TH INTERNATIONAL EURAIBI MEETING

EUROPE AGAINST INFANT BRAIN INJURY

BRAIN INJURY AND NEONATAL DISEASES: EARLY DIAGNOSIS
AND THERAPEUTIC STRATEGIES

SIENA APRIL 19-21 2012

President: Giuseppe Buonocore



PRELIMINARY PROGRAM

Welcome letter

Dear Friends and Colleagues,

It gives me great pleasure to welcome you to Siena for the 5th EUROpe Against Infant Brain Injury International Meeting, April 19-21, 2012.

EURAIIBI is an international non-profit foundation whose goal is to promote the prevention of cerebral damage in the foetus and newborn. The aim of EURAIIBI is to gather the efforts of all centers of neonatology, nursing care, doctors and scientists in order to determine the elements that allow precise definition of risk factors for brain damage. Hopefully, these efforts will eventually lead to new preventative and therapeutic approaches. EURAIIBI is particularly devoted to the study of pregnancy diseases, intrauterine infections, pre- and post-natal asphyxia and to the treatment of newborns with a high risk of brain damage. The goal is to prevent, or at least, to minimize the cerebral damage that is prevalent in the early foetal stages and to sustain the scientific progress in the prevention of cerebral damage in the foetus and newborn.

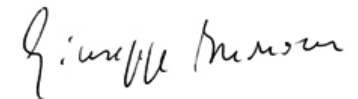
In keeping with the continuing success of previous meetings, EURAIIBI 2012 aims at elucidating the pathogenesis of brain injury. The brain is an extraordinary system, which is still widely unexplored. Prenatal events may influence its development and condition the future of the human being. The fifth international meeting of EURAIIBI will explore the complex interaction between the brain and the other systems of the human body: cardiorespiratory, gastrointestinal and urinary. High level speakers will introduce you to the fascinating aspects of prenatal programming. You will learn how the brain can modulate the activity of all organs and tissues and also how brain functions are conditioned by the relative state of health of the rest of the body. Presentations will draw the attendee's attention to these aspects, including how to face up to brain damage, the best and most up-to-date management strategies for neonatal diseases, reporting new guidelines and new strategies for prevention.

The EURABI goal is to promote an optimal interaction between basic research and clinical experience, in a friendly atmosphere. Siena, as the venue of the meeting, is rich in a tradition of study and culture. We hope that you will have time to enjoy the city's natural beauty, to explore the historical streets and buildings and experience the high quality of the restaurant's and the local Siena hospitality.

I eagerly await your arrival

President of EURAIIBI

Giuseppe Buonocore



Faculty

Agosti Massimo, *Italy*
Balduini Walter, *Italy*
Barberi Ignazio, *Italy*
Bellieni Carlo Valerio, *Italy*
Benders Manon, *The Netherlands*
Bennett Philip, *UK*
Bertino Enrico, *Italy*
Bhatia Jatinder, *USA*
Biban Paolo, *Italy*
Boldrini Antonio, *Italy*
Carnielli Virgilio, *Italy*
Cataldi Luigi, *Italy*
Chemtob Sylvain, *Canada*
Chirico Gaetano, *Italy*
Cooke Richard, *USA*
Corsello Giovanni, *Italy*
Dani Carlo, *Italy*
De Curtis Mario, *Italy*
De Vries Linda, *The Netherlands*
Del Vecchio Antonello, *Italy*
Fabris Claudio, *Italy*
Fanos Vassilios, *Italy*
Farnetani Italo, *Italy*
Ferrari Fabrizio, *Italy*
Ferrazzi Enrico, *Italy*
Gancia Paolo, *Italy*
Gazzolo Diego, *Italy*
Giliberti Paolo, *Italy*
Govaert Paul, *The Netherlands*
Gressens Pierre, *UK*
Guarino Alfredo, *Italy*
Guimaraes Hercilia, *Portugal*
Hagberg Henrik, *Sweden*
Hallman Mikko, *Finland*
Hellström-Westas Lena, *Sweden*
Huppi Petra, *Switzerland*
Kramer Boris W., *The Netherlands*

Lagercrantz Hugo, *Sweden*
Lista Gianluca, *Italy*
Marlow Neil, *UK*
Martin Richard J., *USA*
Moretti Corrado, *Italy*
Mosca Fabio, *Italy*
Paolillo Pier Michele, *Italy*
Petraglia Felice, *Italy*
Pozzi Gianni, *Italy*
Ramanathan Rangasamy, *UK*
Ramenghi Luca, *Italy*
Reiter Russel J., *USA*
Robertson Nicola, *UK*
Saliba Elie, *France*
Sandri Fabrizio, *Italy*
Simeoni Umberto, *France*
Speer Christian P., *Germany*
Stiris Tom, *Norway*
Sun Bo, *China*
Szajewska Hania, *Poland*
Tagliabue Paolo, *Italy*
Tiribelli Claudio, *Italy*
Valensise Herbert, *Italy*
Van Bel Frank, *The Netherlands*
Van Overmeire Bart, *Belgium*
Vendemmia Salvatore, *Italy*
Vento Maximo, *Spain*
Weindling Michael, *UK*

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Preliminary Program

THE FOETUS AND THE NEWBORN AT RISK

08:30 - 09:00 Felice Petraglia
High-risk pregnancy

09:00 - 09:30 Paolo Tagliabue
High-risk newborn

09:30 - 10:00 Giovanni Corsello
Congenital malformations

10:00 - 10:30 Jatinder Bhatia
Nutrition and brain growth

10:30 - 11:00 Paolo Biban
Early detection of neonatal depression and asphyxia

OPENING CEREMONY

MECHANISMS OF BRAIN DAMAGE

12:00 - 12:30 Russel J. Reiter
Neurotoxins in the neonatal brain

12:30 - 13:00 Walter Balduini
Autophagy in hypoxia-ischemia induced brain injury

13:00 - 13:30 Henrik Hagberg
Perinatal brain injury

LUNCH AND POSTER WALK

RESPIRATORY DISORDERS: DIAGNOSIS AND TREATMENT

14:30 - 15:00 Boris Kramer
Lung development after premature birth

15:00 - 15:30 Richard J. Martin
Respiratory disorders in preterm and term infants

15:30 - 16:00 Rangasamy Ramanathan
Chronic lung disease

16:30 - 17:00 Corrado Moretti
Mechanical ventilation

17:00 - 17:30 Fabrizio Sandri
Non invasive strategies of ventilation

17:30 - 18:00 Gianluca Lista
Alveolar recruitment in the delivery room

18:00 - 18:30 Virgilio Carnielli
Intrapulmonary drug administration in newborn care

POSTNATAL GROWTH AND NEWBORN NUTRITION

- 14:30 - 15:00 Mario De Curtis
Nutrition and kidney in preterm infants
- 15:00 - 15:30 Massimo Agosti
Nutritional recommendation for the healthy newborn
- 15:30 - 16:00 Richard Cooke
Post discharge nutrition of preterm newborns

MICROBIOTA AND PROBIOTICS

Chairman: Gianni Pozzi

- 16:30 - 17:00 Alfredo Guarino
The intestinal microbiota
- 17:00 - 17:30 Enrico Ferrazzi
Probiotics as an alternative to the antibiotic therapy?
- 17:30 - 18:00 Hania Szajewska
Is early nutrition related to short-term health and long term outcome?

RECOGNITION AND MANAGEMENT OF THE NEWBORN AT RISK

- 14:30 - 15:00 Enrico Bertino
Growth charts
- 15:00 - 15:30 Diego Gazzolo
Primary investigations
- 15:30 - 16:00 Fabrizio Ferrari
Early diagnosis and poor outcome

IS THE NEWBORN MORALLY DIFFERENT?

- 16:30 - 17:00 Umberto Simeoni
The fetalization of the newborn
- 17:00 - 17:30 Carlo Valerio Bellieni
Why do we treat the newborn differently?
- 17:30 - 18:00 Hercilia Guimaraes
Rights of the newborn and end of life decisions

NEWBORN BRAIN AND DEVELOPMENT

- 08:30 - 09:00 Pierre Gressens
Neonatal brain development
- 09:00 - 09:30 Hugo Lagercrantz
The newborn brain
- 09:30 - 10:00 Michael Weindling
Insight into early brain development

BRAIN PATHOLOGY AND NEURODEVELOPMENTAL OUTCOME

- 10:00 - 10:30 Neil Marlow
Preterm birth and neurodevelopmental outcome
- 10:30 - 11:00 Lena Hellstrom-Westas
Clinical seizures in the extremely low birth weight neurological outcome
- 11:00 - 11:30 Paul Govaert
Neonatal brain arteriopathies
- 11:30 - 12:00 Luca Ramenghi
Cerebral venous sinus thrombosis

LUNCH AND POSTER SESSION

13:30 - 14:30

PERINATAL INFECTION AND BRAIN DAMAGE

- 14:30 - 15:00 Philip Bennett
Preterm birth and inflammation
- 15:00 - 15:30 Elie Saliba
Maternal infections and the immature brain
- 15:30 - 16:00 Christian P. Speer
Chorioamnionitis: consequences for pulmonary and neurological outcome

IMAGING

- Chairman:** Gaetano Chirico
- 14:30 - 15:00 Herbert Valensise
Ultrasound detection of brain damage in pregnancy
- 15:00 - 15:30 Linda De Vries
Role of imaging in cerebral palsy
- 15:30 - 16:00 Petra Huppi
Neuroimaging of the developing brain
- 16:00 - 16:30 Manon Benders
MRI imaging and outcome of term neonates

	NEONATAL JUNDICE AND BRAIN INJURY
14:30 - 15:00	Claudio Tiribelli Molecular basis of the bilirubin-induced neurological damage
15:00 - 15:30	Carlo Dani Physiological and pathological hyperbilirubinemia
15:30 - 16:00	Hercilia Guimares Disorders of the neonate liver and bile ductus

	ORGANS AND FACTORS RELATED TO BRAIN INJURY
08:30 - 09:00	Sylvain Chemtob Growth factors and ROP
09:00 - 09:30	Bart Van Overmeire Patent ductus arteriosus: effects on brain development
09:30 - 10:00	Umberto Simeoni Renal disease and brain development
10:00 - 10:30	Maximo Vento Optimal ventilation at birth and tailored oxygen needs
11:00 - 11:30	Bo Sun Nitric oxide in neonatal hypoxemic respiratory failure
11:30 - 12:00	Vassilios Fanos Clinical application of metabolomics in neonatology

	NEW STRATEGIES FOR TREATMENT
12:00 - 12:30	Frank Van Bel Neuroprotective strategies

12:30 - 13:00	Nicola Robertson New strategies in perinatal asphyxia
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	GENERAL DISCUSSION AND COMMENTS
13:00 - 13:30	Giuseppe Buonocore

13:30	POSTER AWARDS AND CONCLUDING REMARKS
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SCIENTIFIC COMMITTEE

Giuseppe Buonocore, *Italy*
Felice Petraglia, *Italy*
Rodolfo Bracci, *Italy*
Mikko Halman, *Finland*
Ola Didrik Saugstad, *Norway*
Christian P. Speer, *Germany*

SCIENTIFIC SECRETARIAT

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VENUE

Università di Siena
Centro Didattico del Policlinico
S. Maria alle Scotte - Strada Le Scotte, 4 - 53100 Siena - Italy

REGISTRATION FEES (21% VAT included)

Participant

- within December 30, 2011:	€ 300,00
- within February 14, 2012:	€ 350,00
- within April 8, 2012:	€ 400,00
- from April 9 and on site:	€ 500,00

Midwife/Nurse/Post Graduate

- within January 19, 2012:	€ 200,00
- within April 8, 2012:	€ 250,00
- from April 9 and on site:	€ 363,00

Participant Low Income Countries

- within January 19, 2012:	€ 250,00
- within April 8, 2012:	€ 303,00
- from April 9 and on site:	€ 363,00

Daily Registration € 182,00

REGISTRATION FEES INCLUDE

Admission to scientific sessions, technical exhibition
Final programme
Abstracts book
Coffee corners and box lunches
Opening ceremony
Certificate of attendance
The Meeting has applied for Italian CME accreditation

ORGANIZING SECRETARIAT

EMEC MEETING & CONSULTING

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Organizing Secretariat

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