



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

SOTTO L'ALTO PATRONATO DEL PRESIDENTE DELLA REPUBBLICA

UNIVERSITÀ DEGLI STUDI DI SIENA

SIN
SOCIETÀ ITALIANA DI NEONATOLOGIA

SIP
SOCIETÀ ITALIANA DI PEDIATRIA

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.

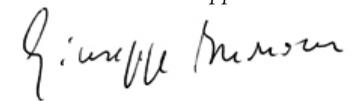
In keeping with the continuing success of previous meetings, EURAIIBI 2012 aims at elucidating the pathogenesis of brain injury. The brain is an extraordinary system, which is still widely unexplored. Prenatal events may influence its development and condition the future of the human being. The fifth 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

Ådén Ulrika, *Sweden*
Agosti Massimo, *Italy*
Balduini Walter, *Italy*
Barberi Ignazio, *Italy*
Bellieni Carlo Valerio, *Italy*
Benders Manon, *The Netherlands*
Bennett Phillip, *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 Antonio, *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*
Surico Nicola, *Italy*
Szajewska Hania, *Poland*
Tagliabue Paolo, *Italy*
Tiribelli Claudio, *Italy*
Valensise Herbert, *Italy*
Van Bel Frank, *The Netherlands*
Vendemmia Salvatore, *Italy*
Vento Maximo, *Spain*
Weindling Michael, *UK*

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

THE FOETUS AND THE NEWBORN AT RISK

Chairman: Nicola Surico

- 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

11:00 - 12:00 **OPENING CEREMONY**

MECHANISMS OF BRAIN DAMAGE

Chairman:

- 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

13:30 - 14:30 **LUNCH AND POSTER WALK**

RESPIRATORY DISORDERS: DIAGNOSIS AND TREATMENT

Chairman:

- 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

RESPIRATORY DISORDERS: DIAGNOSIS AND TREATMENT

Chairman:

- 16:00 - 16:30 Corrado Moretti
Mechanical ventilation
- 16:30 - 17:00 Fabrizio Sandri
Non invasive strategies of ventilation
- 17:00 - 17:30 Gianluca Lista
Alveolar recruitment in the delivery room
- 17:30 - 18:00 Virgilio Carnielli
Intrapulmonary drug administration in newborn care

POSTNATAL GROWTH AND NEWBORN NUTRITION

Chairman:

- 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

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

RECOGNITION AND MANAGEMENT OF THE NEWBORN AT RISK

Chairman:

- 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?

Chairman:

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

NEWBORN BRAIN AND DEVELOPMENT

Chairman:

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

BRAIN PATHOLOGY AND NEURODEVELOPMENTAL OUTCOME

Chairman:

- 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
- 12:00 - 15:00 Poster Session and Platform Session

13:00 - 15:00 **LUNCH**

PERINATAL INFECTION AND BRAIN DAMAGE

Chairman:

- 14:30 - 15:00 Phillip 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

Chairman:

- 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

Chairman:

- 08:30 - 09:00 Sylvain Chemtob
Growth factors and ROP
- 09:00 - 09:30 Frank Van Bel
Impact of PDA therapy on cerebral oxygenation
- 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

Chairman:

- 12:00 - 12:30 Frank Van Bel
Neuroprotective strategies
- 12:30 - 13:00 Nicola Robertson
New strategies in perinatal asphyxia

GENERAL DISCUSSION AND COMMENTS

- 13:00 - 13:30 Giuseppe Buonocore

13:30 POSTER AWARDS AND CONCLUDING REMARKS

General Information

SCIENTIFIC COMMITTEE

Giuseppe Buonocore, *Italy*

Felice Petraglia, *Italy*

Rodolfo Bracci, *Italy*

Mikko Halman, *Finland*

Ola Didrik Saugstad, *Norway*

Christian P. Speer, *Germany*

SCIENTIFIC SECRETARIAT

EURAI BI Foundation Onlus

President Prof. Giuseppe Buonocore

Dept. of Paediatrics Obstetrics and Reproductive Medicine

University of Siena 53100 Siena - Italy

Tel. +39 0577 586523

Fax +39 0577 586188

giuseppe.buonocore@unisi.it

www.euraibi.it

VENUE

Università di Siena

Centro Didattico del Policlinico

S. Maria alle Scotte - Strada Le Scotte, 4 - 53100 Siena - Italy

DATES

April 19-21, 2012

LANGUAGE

English will be the official language of the Conference

CLOTHING

Informal for all occasions

CLIMATE

Siena has a continental climate, April is characterised by warm days with some possibility of rain (Max.

19°C / 66.2 °F - Min. 8°C / 46.4 °F)

General Information

BADGES

All participants, accompanying persons and exhibitors are kindly requested to wear their badges throughout the Conference area in order to be admitted to the scientific sessions and to all the activities of the Conference

REGISTRATION & ACCOMMODATION

All participants must submit a completed registration form.

Hotel accommodation at special Conference rates will be offered to participants.

Detailed information, as well as access to the registration and accommodation form, will shortly be available at the website: www.euraibi.it please follow the instructions

BANKING AND EXCHANGE

The Italian monetary system is the Euro. Foreign currency may be exchanged at banks during normal banking hours, at hotels, at airports and in exchange offices. All major credit cards are accepted in most hotels, restaurants and shops

LIABILITY AND INSURANCE

The Conference Organisers cannot accept liability for personal injuries or for loss of, or damage to, property belonging to congress participants (or their accompanying persons), either during or as a result of the conference. Please check the validity of your own insurance

VISA REQUIREMENTS

All visitors entering Italy must be in possession of a valid passport. For European Community citizens an Identity Card is sufficient. Participants should check the Italian Embassy or Consulate in their country regarding visa and health certificate requirements

OFFICIAL LETTER OF INVITATION

Official letters of invitation designed to help overcome administrative difficulties in certain countries are available on the Conference website. It must be understood that such letters do not represent a commitment on behalf of the Organising Committee or Conference to provide any financial assistance.

CERTIFICATE OF ATTENDANCE

Certificates of attendance will be available for all registered participants at the registration desk from April 21, 2012

FOOD AND BEVERAGES

Box lunches and coffee area (as indicated in the programme) are included in the registration fee

ABOUT SIENA

Surrounded by olive groves and the vineyards of Chianti, Siena is one of the most beautiful cities of Tuscany. Set on three hills, the city is drawn together by winding alleyways and steep steps, whilst the Piazza del Campo stands at its heart, and the Duomo and St Maria della Scala serve as additional cultural landmarks. Famed for the “Palio”, the annual historic horse-races that take place on 2 July and 16 August, it is also home to one of the oldest Universities in Europe, which ensures a vibrant Italian student atmosphere throughout the academic year. In addition to the bustling daily life of the streets and squares of the city, Siena offers many cultural events, concerts, cinema, theatre and a wide range of sporting activities.

Few geographical areas in the world can boast of the variety of environment that surrounds Siena. To the north, we have the richness of the Chianti landscape, woven with vines and olive-trees throughout the hills. Here also are beautiful towns like San Gimignano and Monteriggioni with old walls, winding streets and incredible views. South of Siena, the Arbia valley leads to the hill-top town of Montalcino, home to the famous Brunello wine. And the area La Crete stretches out, amazing visitors with its harsh rock formations and unique landscape. Westwards we head towards the coast, to captivating coastline towns like Castiglione della Pescaia, and nature reserves like the area called Maremma. With such natural beauty within easy reach by car or public transport, Siena is a good place to base yourself for a Tuscan experience. The Chianti area, between Florence and Siena, is one of the most beautiful countrysides in Italy and a famous wine production area.

Access to Siena from the Airport

From Florence

“Amerigo Vespucci” Airport

Shuttle bus to S. Maria Novella railway station every 45 min

From Pisa

“Galileo Galilei” Airport (150 km)

By train

From Florence: direct line and/or change at Empoli (1h30')

From Rome: change at Chiusi (3h)

From Pisa: change at Empoli (2h)

The railway station in Siena is about 2 km from the city centre

By bus

From Florence

Bus Station: opposite Santa Maria Novella Railway Station

Rapida bus (1h 15mins)

Diretta bus (1h 35 mins)

Autolinee TRA-IN spa (Ph. +39 0577/204245)

Autolinee SITA (freephone: 800 - 373760)

From Rome

Bus Station: Roma Tiburtina (2h 45m)

SENA (freephone: 800 - 930960 - Ph. + 39 0577/283203)

By Car

From the North

A1 exit “Firenze Certosa”

Dual carriageway Firenze/Siena (40 min.)

From the South

A1 exit “Valdichiana”

Bettolle-Siena link road (2h 30min.)

Local Transport

Bus line 17, line 10, line 77, line 003

The stops listed on the schedule are located in various areas in Siena. For further information consult the map (<http://nuovowww.comune.siena.it/Turismo/Turismo>). To find the bus schedule, log directly on to the bus company site TRAIN Servizi di mobilità - Siena (<http://www.trainspa.it>)

By taxi

Radio Taxi Ph. +39 0577 49222

Parking

Should you arrive by car, the following parking areas are available:

Viale Bracci (fast park) 850m from Venue

Free parking is available, either with parking disk or without time limits, along the street. There is also a partially covered parking garage (indicated on the road signs as “Policlinico 2”)

Strada delle Scotte

Free parking is available, either with parking disk or without time limits, along the street. There is also a partially covered parking garage (indicated on the road signs as “Policlinico 1”)

Parking fees:	1 hour: 60 cents
	2 hours: Euro 1,20
	3 hours: Euro 1,80

The daily rate (Euro 2,00) goes into effect from the fourth hour

ITALIAN CME ACCREDITATION

The Conference has applied for Italian CME Accreditation

EXHIBITION

A professional exhibition will be held currently with the Conference. For more details, please contact:

MEETING&CONSULTING

Via Michele Mercati, 33 - 00197 Rome Italy
Ph. +39 06 80693320 - Fax +39 06 3231136
euraibi2012@emec-roma.com
www.euraibi.it
www.emec-roma.com

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

ORGANIZING SECRETARIAT

Please do not hesitate to contact the Organisers if you require any additional information or assistance.
Please address all correspondence to:

MEETING&CONSULTING

Via Michele Mercati, 33 - 00197 Rome Italy
Ph. +39 06 80693320 - Fax +39 06 3231136
euraibi2012@emec-roma.com
www.euraibi.it
www.emec-roma.com

Organizing Secretariat

MEETING&CONSULTING

Via Michele Mercati, 33 - 00197 Rome Italy

Ph. +39.06.80693320 - Fax +39.06.3231136

euraiibi2012@emec-roma.com - www.euraiibi.it - www.emec-roma.com



5TH INTERNATIONAL
EURAIBI MEETING
SIENA APRIL 19-21 2012