Under the High Patronage of the President of the Italian Republic

10th International Workshop on Neonatology
October 21st-25th, 2014
T Hotel, Cagliari, Italy

The last ten years, the next ten years in Neonatology

With 6 satellite meetings

Fresco in the NICU, Neonatal Pathology, Puericulture Institute and Neonatal Section, AOU of Cagliari
Nativity by Pier Giorgio Melis (detail)
Under the High Patronage of the President of the Italian Republic

10th International Workshop on Neonatology

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The last ten years, the next ten years in Neonatology

Satellite Meetings

INTERNATIONAL COURSE ON PERINATAL PATHOLOGY
The role of the clinical pathological dialogue in problem solving

4th INTERNATIONAL CONFERENCE ON NEONATAL AND PEDIATRIC LABORATORY MEDICINE

NEW FRONTIERS IN PREVENTIVE AND SOCIAL PEDIATRICS INCLUDING

2nd SIPPS MEETING (SOCIETÀ ITALIANA DI PEDIATRIA PREVENTIVA E SOCIALE)

3rd INTERNATIONAL CONFERENCE ON NEW TRENDS IN NEONATOLOGY

IX CONVEGNO NEONATOLOGICO INFERMIERISTICO “TERRA DI SARDEGNA”

CORSO PER MEDICI E INFERMIERI A NUMERO CHIUSO
Il dolore e la sua gestione nel neonato

University of Cagliari
Azienda Mista di Cagliari
Terapia Intensiva Neonatale, Patologia Neonatale, Puericultura e Nido

Comune di Cagliari

Cagliari Sardegna

10th International Workshop on Neonatology
October 21st-25th, 2014 – Cagliari (Italy)
Authorities and Associations

Under the High Patronage of the President of the Italian Republic

Neonatal Intensive Care Unit, Neonatal Pathology
Puericulture Institute and Neonatal Section
Azienda Mista di Cagliari

on behalf of
Union of European Neonatal and Perinatal Societies (UENPS)
Union of Mediterranean Neonatal Societies (UMENS)
International Federation of Clinical Chemistry and Laboratory Medicine (IFCC)
Società Italiana di Neonatologia (SIN)
Società Italiana di Pediatrica (SIP)
Società Italiana di Pediatrica Ospedaliera (SIPO)
Società Italiana di Biochimica Clinica (SIBioC)
GdS di Nefrologia della SIN
GdS Medicina di Laboratorio in età fetale, neonatale e pediatrica della SIBioC
Gruppo Normanno di Nefrologia Pediatrica
Fondazione Franco Chiappe
Associazione ABCS (Amici Bambini Cardiopatici Sardi)
Fondazione Toscana Gabriele Monasterio per la Ricerca Medica e di Sanità Pubblica
Ordine dei Medici della Provincia di Cagliari
Università degli Studi di Cagliari
Dear Colleagues,

We are pleased to invite you to the 10th International Workshop on Neonatology to be held in Cagliari, Italy. This follows the success of the previous editions which saw the overall presence of more than 5000 participants. Workshop 10 is an important milestone and is accompanied by recognition by many national and international scientific societies, by the high patronage of the president of the Italian Republic and participation of UNICEF.

The title of the workshop “The last ten years, the next ten years in Neonatology” underscores this itinerary: a view towards the future of neonatology through debate and the contribution of the Workshop, but above all the trajectory that assistance, research and teaching will follow in the coming ten years. Some of the world’s most renowned specialists from forty different nations have been present in Cagliari in these years. They have created a network of scientific and human relations that have changed, improved and enriched us all. This year the proceedings of the Workshop will be published partly in “Clinica Chimica Acta”, and partly in the “Journal of Pediatric and Neonatal Individualized Medicine” (JPNIM). Moreover, on the occasion of the workshop, a special online issue of the “Journal of Maternal Fetal Neonatal Medicine”, entitled “Neonanomics and childomics: the right route to the future”, has been published. In past years the journals were “Medical and Surgical Pediatrics”, “Journal of Chemotherapy”, “Journal of Maternal Fetal Neonatal Medicine” and JPNIM. Over the years, the Workshop has made its impression on science and has promoted a lively discussion in an always serene and extremely constructive atmosphere.

This year’s meeting is organized with the patronage of the Italian Society of Neonatology, the Italian Society of Pediatrics, the European Neonatal and Perinatal Societies, the Union of Mediterranean Neonatal Societies and lastly by the International Federation of Clinical Chemistry (IFCC) and Laboratory Medicine. The meeting is dedicated to neonatologists, pediatricians, obstetricians, perinatologists, laboratory researchers, pediatric cardiologists and all those who work with the newborn. Besides the traditional appointment of the International Workshop, there will be six satellite meetings: a course on neonatal pain management; the ninth edition of the “Terra di Sardegna Meeting on Neonatological Nursing” with the participation of nurses from eleven neonatal intensive care units; the first meeting titled “New Frontiers in Preventive and Social Pediatrics” that focuses attention on the brain and cranial-facial anomalies; the 3rd International Conference in New Trends in dealing with neonatal asphyxia and medical humanities; the 4th International Conference on Neonatal and Pediatric Laboratory Medicine where the theme will be how to reduce infantile mortality; finally, the 1st International Course on Perinatal Pathology, where perinatologists and pathologists will come together to address systematically all the important aspects of neonatology.

Great attention will be devoted to young specialists: in the last few years the events have been extended through presentation of numerous selected posters for each meeting and numerous prizes of 500 euros have been awarded for the best contributions (this year we have 5 prizes).

We look forward to welcoming you to this traditional appointment to discuss topics of the present and keep us up to date on the latest results, both in research and clinical neonatology.

The Presidents:
Vassilios Fanos, Michele Mussap, Gavino Faa, Peter van Eyken, Apostolos Papageorgiou

10th International Workshop on Neonatology
October 21st-25th, 2014 – Cagliari (Italy)
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CORSO PER MEDICI E INFERMIERI A NUMERO CHIUSO

Il dolore e la sua gestione nel neonato

Presidenti: Gina Ancora (Rimini), Giuliana Palmas (Cagliari)

Segreteria scientifica: Nicoletta Mascia (Cagliari)

Comitato Scientifico: Doriana Lampis (Cagliari), Gianna Licheri (Cagliari), Carla Piras (Cagliari), Tiziana Sarigu (Cagliari)

SESSIONE I

Presidente: Marco Piga (Cagliari)
Moderatore: Iolanda Murgianu (Cagliari)

09:00   Nessun dolore: background scientifico e clinico
Gina Ancora (Rimini)

09:15   Tra l’incudine e il martello: luci e ombre dei farmaci antidolorifici
Giuliana Palmas (Cagliari)

10:00   Le scale del dolore
Monica Atzeni (Cagliari), Cristina Olmi (Cagliari)

10:15   Uso personalizzato delle scale del dolore: oltre dieci anni di esperienza
Sandra Lazzari (Rimini)

10:45   Discussione

11:00   Pausa

SESSIONE II

Presidente: Alberto Lai (Cagliari)
Moderatore: Erica Vannelli (Cagliari)

11:30   Terapia non farmacologica del dolore
Sandra Lazzari (Rimini)

11:45   Terapia farmacologica del dolore
Francesca Birocchi (Cagliari), Francesca Cioglia (Cagliari)

12:00   Protocollo per l’intubazione e la ventilazione
Gina Ancora (Rimini)

12:45   Discussione

13:00   Conclusioni
Gina Ancora (Rimini), Giuliana Palmas (Cagliari)

13:15   Chiusura lavori

IX CONVEGNO NEONATOLOGICO INFERMIERISTICO “TERRA DI SARDEGNA”

Presidente: Denis Pisano (Cagliari)

14:30   Apertura dei lavori e saluto
Vassilios Fanos (Cagliari), Denis Pisano (Cagliari)

15:00   Il futuro della neonatologia infermieristica oggi in Italia
Elena Bezze (Milano)

SESSIONE I

Presidente: Elena Bezze (Milano)
Moderatori: Denis Pisano (Cagliari), Maria Zichi (Sassari)

15:30   Utilizzo delle scale del dolore in neonatologia
Sandra Lazzari (Rimini)

15:45   Finnegan score: limiti e difficoltà di utilizzo
Sandra Porcu (Sassari)

16:00   L’ambulatorio nurse led: l’esperienza di Prato
Chiara Selmi (Prato)

16:15   Raccomandazioni per l’utilizzo degli alti flussi nel neonato
Cristina Olmi (Cagliari)

16:45   Studio multicentrico sull’Assistenza centrata sulla famiglia in TIN, esperienza e soddisfazione dei genitori (comunicazione)
Martina Fiori (Roma)

16:50   Discussione

17:10   Pausa

SESSIONE II

Presidente: Melania Puddu (Cagliari)
Moderatori: Iolanda Delogu (Cagliari), Giuliana Palmas (Cagliari)

17:30   Simulazione ad alta fedeltà ed empowerment delle competenze infermieristiche in TIN
Remo Galaverna (Cuneo)

17:45   Distress morale in neonatologia
Roberta Guardione (Torino)

18:00   Nascite a rischio lontano dalla TIN
Stefania Altea (Carbonia)

18:15   L’esperienza NIDCAP nella TIN di Modena
Giovanna Cuomo (Modena)

18:50   Discussione

19:10   Chiusura lavori
NEW FRONTIERS IN PREVENTIVE AND SOCIAL PEDIATRICS
INCLUDING 2nd SIPPS MEETING (SOCIETÀ ITALIANA DI PEDIATRIA PREVENTIVA E SOCIALE)

Presidents: Giovanni Ottonello (Cagliari, Italy), Melania Puddu (Cagliari, Italy)
Scientific Secretary: Susanna Floris (Cagliari, Italy), Vincenzo Zurrida (Cagliari, Italy)

08:45 Opening Ceremony
Giampietro Chiamenti (Verona, Italy)

SESSION I: BRAIN, PREGNANCY, BIRTH, ENVIRONMENT
President: Anna Maria Paoletti (Cagliari, Italy)
Moderators: Marianne Bengtsson Agostino (Stockholm, Sweden), Maurizio Crisafulli (Cagliari, Italy)

09:00 Perinatal programming of brain damage (JPNIM)
Gavino Faa (Cagliari, Italy)
Maltreated newborn infants and structural brain development (JPNIM)
Kadriye Yurdakök (Ankara, Turkey)
The brain: epigenetics and neuromodulators from infancy to adults (JPNIM)
Giovanni Biggio (Cagliari, Italy)
Birth in Italy between outcomes, appropriateness and responsibility (JPNIM)
Giuseppe Ettore (Catania, Italy)
Maternal fetal attachment in pregnancies at high risk of preterm deliveries (JPNIM)
Camilla Pisoni (Pavia, Italy)
11:00 Discussion

SESSION II: PREVENTION AND TREATMENT OF CRANIO-FACIAL ABNORMALITIES
President: Anna Maria Nurchi (Cagliari, Italy)
Moderators: Susanna Floris (Cagliari, Italy), Gianfranco Temporin (Treviso, Italy)

11:20 ROUND TABLE with participation of:
Giangiorgio Crisponi (Cagliari, Italy), Sandro Loche (Cagliari, Italy), Giuseppe Masnata (Cagliari, Italy), Stefano Oddini (Cagliari, Italy), Domenico Scopelliti (Rome, Italy)
Discussant: Monica Limoncino (Cagliari, Italy)

3rd INTERNATIONAL CONFERENCE ON NEW TRENDS IN NEONATOLOGY

Presidents: Vassilios Fanos (Cagliari, Italy), Gavino Faa (Cagliari, Italy), Michele Mussap (Genoa, Italy), Georgios Mitsiakos (Thessaloniki, Greece)

SESSION I: ROUND TABLE ON ASPHYXIA, MULTIORGAN FAILURE, END OF LIFE
Chairman: Georgios Mitsiakos (Thessaloniki, Greece)
Moderators: Maria Cristina Pintus (Cagliari, Italy), Dario Pruna (Cagliari, Italy)

14.30 Asphyxia from the eyes of the obstetrician (JPNIM)
Gian Benedetto Melis (Cagliari, Italy), Alessandra Meloni (Cagliari, Italy)
Asphyxia from the eyes of the neonatologist (JPNIM)
Paolo Gancia (Cuneo, Italy)
Polymorphisms and asphyxia (JPNIM, ABS 48)
Ernesto d’Aloja (Cagliari, Italy)
Brain damage in asphyxia
Luca Ramenghi (Genoa, Italy)
Brain death (JPNIM)
Georgios Mitsiakos (Thessaloniki, Greece)
Discussant: Antonio Cualbu (Nuoro, Italy), Carmela Porcu (Cagliari, Italy)

SESSION II: GRAND ROUNDS IN MEDICAL HUMANITIES AND ORGANIZATION
Chairman: Italo Farnetani (Milan, Italy)
Moderators: Gina Ancora (Rimini, Italy), Massimiliano Zonza (Cagliari, Italy)

16.30 NIDCAP and developmental care (JPNIM)
Dominique Haumont (Bruxelles, Belgium)
Neonatal ethics in ELBW (JPNIM)
Hubert Messner (Bozen, Italy)
The change of paradigm in perinatal sciences: the role of Narrative Medicine and Medical Humanities (JPNIM)
Gian Paolo Donzelli (Florence, Italy)
Palliative cure (JPNIM)
Fabrizio Sandri (Bologna, Italy)
Children with complex diseases (JPNIM)
Rino Agostiniani (Pistoia, Italy)
Discussant: Giorgio Olzai (Sassari, Italy), Elisabetta Trudu (Cagliari, Italy)
10th INTERNATIONAL WORKSHOP ON NEONATOLOGY

The last ten years, the next ten years in Neonatology

Presidents: Vassilios Fanos (Cagliari, Italy), Murat Yurdakök (Ankara, Turkey), Apostolos Papageorgiou (Montreal, Canada)

Scientific Programme
Giovedì/Thursday, October 23rd, 2014 · Pomeriggio/Afternoon

08:45 Opening Ceremony

SESSION I: LECTURES
Chairman: Claudio Fabris (Turin, Italy)
Moderators: Salvatore Dessole (Sassari, Italy), Dominique Haumont (Bruxelles, Belgium)

09:00 Genetics and acronyms (JPNIM)
Giovanni Corsello (Palermo, Italy)

Management and outcome of Extremely Low Birth Weight Infants (JPNIM)
Apostolos Papageorgiou (Montreal, Canada)

Etiology and outcome of non-immune hydrops fetalis (JPNIM)
Murat Yurdakök (Ankara, Turkey)

Hyperbilirubinemia: the state of the art
Costantino Romagnoli (Rome, Italy)

SESSION II: MISCELLANEA
Chairman: Fabio Mosca (Milan, Italy)
Moderators: Luigi Cataldi (Rome, Italy), Marco Zaffanello (Verona, Italy)

11.00 Melatonin for the newborn (JPNIM)
Ignazio Barberi (Messina, Italy)

Effects of lutein on oxidative stress in the newborn (JPNIM)
Giuseppe Buonocore (Siena, Italy)

Treatment of fungal infections: an update (JPNIM)
Francesco Raimondi (Naples, Italy)

Management of persistent hypoglicemia (JPNIM, ABB 24)
Carlo Dionisi-Vici (Rome, Italy)

Discussant: Georgios Mitsiakos (Thessaloniki, Greece), Lino Paladini (Lecce, Italy)

13:00 Lunch

SESSION III: NUTRITION AND METABOLISM
Chairman: Giuseppe Saggese (Pisa, Italy)
Moderators: Enrico Bertino (Turin, Italy), Alessandra Reali (Cagliari, Italy)

14.30 Mother’s milk: the gold standard (JPNIM)
Riccardo Davanzo (Trieste, Italy)

Human milk banks: lights and shadows (JPNIM)
Giacomo Faldella (Bologna, Italy)

Nutritional needs in the first year of life (JPNIM)
Carlo Agostoni (Milan, Italy)

Early prevention of obesity (JPNIM)
Claudio Maelfei (Verona, Italy)

The role of microbiome in determining pediatric health (JPNIM)
Annamaria Staiano (Naples, Italy)

Discussant: Maria Pia Fantini (Bologna, Italy), Georgios Loudianos (Cagliari, Italy)

SESSION IV: MISCELLANEA
Chairman: Giuseppe Mercuro (Cagliari, Italy)
Moderators: Rocco Agostino (Rome, Italy), Giuseppe Banderali (Milan, Italy)

17.00 Off-label drug in the newborn (JPNIM)
Laura Cuzzolin (Verona, Italy)

Surfactant treatment for ARDS in infants (JPNIM)
Corrado Moretti (Rome, Italy)

Paroxysmal supraventricular tachycardia: physiopathology and management (JPNIM)
Paola Neroni (Cagliari, Italy)

Ibuprofen and paracetamol for PDA (JPNIM)
Carlo Dani (Florence, Italy)

PDA management in preterm infants: keep your hands off the ductus (JPNIM)
Paolo Giliberti (Naples, Italy)

Discussant: Alessandra Atzei (Cagliari, Italy), Ugo Bottone (Massa Carrara, Italy)
Scientific Programme
Venerdì/Friday, October 24th, 2014 · Mattina/Morning

4th INTERNATIONAL CONFERENCE ON NEONATAL AND PEDIATRIC LABORATORY MEDICINE

Presidents: Vassilios Fanos (Cagliari, Italy), Michele Mussap (Genoa, Italy), Maurizio Ferrari (Milan, Italy), Joris R. Delanghe (Ghent, Belgium)

08:45 Opening Ceremony

SESSION I: ADDRESSING THE CHALLENGE OF NEONATAL MORTALITY WORLDWIDE: FROM DIAGNOSIS TO PREVENTION

Chairman: Apostolos Papageorgiou (Montreal, Canada)
Moderators: Andrea Dotta (Rome, Italy), Maria Graziade Privitera (Rome, Italy)

09:00 Report from the UNICEF (CCA)
Giacomo Guerrera (Genoa, Italy)
Gestational diabetes: where are we now? (CCA)
Moshe Hod (Tel Aviv, Israel)
Translational research and biomarkers in neonatology (CCA)
Joris R. Delanghe (Ghent, Belgium)
Next generation biomarkers as tools for reducing neonatal mortality: from discovery to clinical application (CCA)
Michele Mussap (Genoa, Italy)

SESSION II: PRENATAL AND PERINATAL LABORATORY MEDICINE

Chairman: Antonio Del Vecchio (Bari, Italy)
Moderators: Ferdinando Coghe (Cagliari, Italy), Ambrogio di Paolo (Rome, Italy)

11:00 New trends in non invasive prenatal diagnosis (CCA)
Maurizio Ferrari (Milan, Italy)
Future perspectives in metabolic disease testing
Carlo Corbetta (Milan, Italy)
Prenatal diagnosis for haemoglobinopathies and thalassaemias and the bank of umbilical cord (CCA)
Cornelis L. Harteveld (Leiden, The Netherlands)
The next ten years in neonatology (JPNIM)
Vassilios Fanos (Cagliari, Italy)

13:00 Lunch

Scientific Programme
Venerdì/Friday, October 24th, 2014 · Pomeriggio/Afternoon

13:45 Poster session II (abstracts no. 26-50)
Chairpersons: Luigi Cataldi (Rome, Italy), Apostolos Papageorgiou (Montreal, Canada), Gianfranco Temporin (Rovigo, Italy)

SESSION III: PREMATURITY AND LOW BIRTH WEIGHT: HOW TO REDUCE THE RISK OF DEATH

Chairman: Pierrimichele Paolillo (Rome, Italy)
Moderators: Antonio Noto (Cagliari, Italy), Luciana Pibiri (Cagliari, Italy)

14:30 Molecular basis of bronchopulmonary dysplasia in preterm infants (CCA)
Paola Carrera (Milan, Italy)
Treatment of neonatal infections due to multiresistant strains (CCA)
Mauro Stronati (Pavia, Italy), Chryssoula Tzialla (Pavia, Italy)
Management of bronchiolitis (CCA)
Umberto Pelosi (Iglesias, Italy)
Renal regenerative medicine (CCA)
Gavino Faa (Cagliari, Italy)
Unraveling the secrets of brain injury (CCA)
Henrik Hagberg (Göteborg, Sweden, and London, UK)

SESSION IV: NUTRITION AND HEALTH FROM THE NEWBORN TO THE ADULT – MICROBIOME, PROBIOTICS, METABOLOMICS

Chairman: Giuseppe Castaldo (Naples, Italy)
Moderators: Angelica Dessi (Cagliari, Italy), Franco Messina (Naples, Italy)

17:00 The role of microbiome in determining neonatal health (CCA)
Vito Miniello (Bari, Italy)
Probiotics and gut health (CCA)
Francesco Savino (Turin, Italy)
The role of microbiome in determining adult health (CCA)
Francesco Salvatore (Naples, Italy)
NMR metabolomics in neonatal screenings (CCA)
Manfred Spraul (Rheinstetten, Germany)
Nutrimetabolomics: what’s new? (CCA)
Flamina Cesare Marincola (Cagliari, Italy)
Discussants: Luigi Barberini (Cagliari, Italy), Ruggiero Francavilla (Bari, Italy)

19:15 Awarding 5 Prizes (500 euros for each prize) for the best posters presented: “Prof. Franco Chiappe Prize”, “Prof. Luciano Tatò Prize”, Neonatal and Pediatric Nephrourology Group (Norman Group) Prize (offered by Ordine dei Medici di Caserta), “Prof. Ubaldo Dimita Prize”, ASTELLAS PHARMA Prize. Board Members: Luigi Cataldi (Rome, Italy), Apostolos Papageorgiou (Montreal, Canada), Gianfranco Temporin (Rovigo, Italy)
INTERNATIONAL COURSE ON PERINATAL PATHOLOGY

The role of the clinical pathological dialogue in problem solving

Presidents: Gavino Faa (Cagliari, Italy), Vassilios Fanos (Cagliari, Italy), Generoso Bevilacqua (Pisa, Italy), Peter Van Eyken (Leuven, Belgium)

Chairmen of the whole day: Generoso Bevilacqua (Pisa, Italy) [Pathologist], Paolo Biban (Verona, Italy) [Neonatologist]

08:45 Opening Ceremony

09:00 Bronchopulmonary dysplasia
Antonio Del Vecchio (Bari, Italy) [Neonatologist] (JPNIM)
Daniela Fanni (Cagliari, Italy) [Pathologist] (JPNIM)

09:30 Asphyxia
Roberto Antonucci (San Gavino Monreale, Italy) [Neonatologist] (JPNIM)
Gavino Faa (Cagliari, Italy) [Pathologist] (JPNIM)

10:00 Multiple organ failure
Pier Michele Paolillo (Rome, Italy) [Neonatologist] (JPNIM)
Clara Gerosa (Cagliari, Italy) [Pathologist] (JPNIM)

10:30 Discussion
Coffee break

11:00 Cerebral ischemia in preterm infants
Maria Antonietta Marcials (Cagliari, Italy) [Neonatologist] (JPNIM)
Alberto Ravarino (Cagliari, Italy) [Pathologist] (JPNIM)

11:30 Sepsis
Vassilios Fanos (Cagliari, Italy) [Neonatologist] (JPNIM)
Gavino Faa (Cagliari, Italy) [Pathologist] (JPNIM)

12:00 LECTURE
What is the mechanism of Mg neuroprotection?
Henrik Hagberg (Göteborg, Sweden, and London, UK) [Fetal Medicine Specialist]

12:30 Discussion
Lunch

14:00 Hyaline membrane disease
Franco Messina (Naples, Italy) [Neonatologist] (JPNIM)
Gavino Faa (Cagliari, Italy) [Pathologist] (JPNIM)

14:30 Necrotizing enterocolitis
Melania Puddu (Cagliari, Italy) [Neonatologist] (JPNIM)
Rossano Ambu (Cagliari, Italy) [Pathologist]

15:00 Perinatal cardiac failure
Pier Paolo Bassareo (Cagliari, Italy) [Cardiologist] (JPNIM)
Armando Faa (Cagliari, Italy) [Pathologist] (JPNIM)

15:30 Discussion

16:00 Acute kidney injury
Giovanni Ottonello (Cagliari, Italy) [Neonatologist] (JPNIM)
Gavino Faa (Cagliari, Italy) [Pathologist] (JPNIM)

16:30 Drug-related perinatal damage
Laura Cuzzolin (Verona, Italy) [Pharmacologist] (JPNIM)
Daniela Fanni (Cagliari, Italy) [Pathologist] (JPNIM)

17:00 Biliary duct atresia
Peter Van Eyken (Leuven, Belgium) [Pathologist] (JPNIM)
Luigi Mascia (Cagliari, Italy), Alessandro Pane (Cagliari, Italy) [Pediatric surgeons]

17:30 Discussion
Coffee break

18:00 MISCELLANEA
Placental Growth Factor (PIGF) and placental perfusion (JPNIM)
Anna Maria Paoletti (Cagliari, Italy) [Obstetrician]

Newborn from mother with breast cancer (JPNIM)
Giuseppe Floris (Leuven, Belgium) [Pathologist]

Nephrotic syndrome of the newborn and infant (JPNIM)
Guido Monga (Novara, Italy) [Pathologist]

When a newborn dies: European approaches to responsibility (JPNIM vol. 4 n. 1, 2015)
Rachel Carter (Devon, UK), Jeremy Ferguson (Devon, UK), Katrien Nijs (Leuven, Belgium), Francesco Tregnaghi (Verona, Italy) [Lawyers]

19:00 Discussion
Concluding remarks
Gavino Faa (Cagliari, Italy), Vassilios Fanos (Cagliari, Italy)
**Selected Abstracts**

**ABS 1.** UTILIZING MATERNAL FACTORS TO PREDICT ACUTE KIDNEY INJURY IN VERY LOW BIRTH WEIGHT INFANTS  
Charlottesville (VI, USA) and Cagliari (Italy)

**ABS 2.** EFFECTS OF CESAREAN SECTION AND INFANT FEEDING ON LATER OBESITY RISK  
E. Verdaci, B. Mariani, C. Lazzardini, A. Re Dionigi, G. Banderali  
Milan (Italy)

**ABS 3.** A PROPOSAL FOR MULTICENTER STUDY ON FAMILY-CENTERED CARE IN NICU, PARENTS’ SATISFACTION AND EXPERIENCE  
Rome (Italy) and Plymouth (UK)

**ABS 4.** DORSAL PENILE GLANS EPIDERMOID CYST: A CASE REPORT IN A CHILD  
P. Atzori, A. Pane, S. Avanzini, F. Cadera, G. Chiberti, A. DeLisa, L. Mescia  
Cagliari (Italy)

**ABS 5.** A NUMERICAL PREDICTION OF THE ITALIAN SCHOLASTIC POPULATION IN 2020  
I. Farnetani, F. Farnetani  
Milan, Modena and Reggio Emilia (Italy)

**ABS 6.** RESPIRATORY TRACT INFECTIONS (RTI) IN PEDIATRIC POPULATION  
L. Mansiglia, G. D’Angelo, S. Manti, C. Sapienza, T. Arrigo, I. Barberi  
Messina (Italy)

**ABS 7.** FETAL-NEONATAL H1NMR NUTRIMETABOLOMICS IN THE FIRST WEEK OF LIFE  
C. Pravettoni, A. Dessì, F. Cesarino Marinacci, M.G. Pattanelli, R. Carboni, S. Corbu, C. Ossoini, S. Caccarelli, V. Fanos, R. Agostino  
Cagliari and Rome (Italy)

**ABS 8.** VARIABILITY IN LANGERHANS ISLETS NUMBER AT BIRTH: MARKER OF SUSCEPTIBILITY TO DEVELOP DIABETES LATER IN LIFE?  
G. Locci, A. Pinna, S. Nemolato, A. Dessì, V. Fanos, R. Ambu  
Cagliari (Italy)

**ABS 9.** TRAFFIKING OF THYMOSIN BETA-4 IN THE CELLULAR COMPARTMENTS OF HEPG2 CELLS AT DIFFERENT CONDITIONS  
M. Piras, M. Pluàdu, G. Pichiurri, P. Coni, T. Calabria, R. Ambu, M. Castagnola  
Cagliari and Rome (Italy)

**ABS 10.** THYROID CARCINOMA IN SARDINIAN CHILDREN AND ADOLESCENTS IS OFTEN ASSOCIATED WITH AUTOIMMUNE THYROIDITIS  
Cagliari (Italy)

**ABS 11.** PROLONGING NEPHROGENESIS IN PRETERM INFANTS: A NEW APPROACH FOR THE PREVENTION OF RENAL DISEASE IN ADULTHOOD?  
A. Sanna, C. Gerosa, D. Fanni, P. Van Eyken, M. Castagnola, R. Ambu  
Cagliari, Rome (Italy) and Leuven (Belgium)

**ABS 12.** HUMAN ADRENAL GLAND DEVELOPMENT: MORPHOGENESIS AND MOLECULAR MECHANISMS  
E. Obinu, V. Fanos, A. Dessì, R. Ambu  
Cagliari (Italy)

**ABS 13.** BIOMETRICS APPLICATION FOR NEWBORNS SAFE IDENTIFICATION IN NEONATAL INTENSIVE CARE UNITS  
A. Cassano, S. Barra, M. De Marisco, D. Riccio, L. Barberini, M. Puddu, V. Fanos  
Cagliari, Rome and Naples (Italy)

**ABS 14.** METABOLOMICS IN NEONATAL HYPOXIC-ISCHEMIC ENCEPHALOPATHY (HIE): A PROPOSAL FOR A EUROPEAN MULTICENTER STUDY  
P. Garcia, G. Pomero, A. Delogu, C. Dalmazzo, G. Palmas, V. Fanos  
Cuneo and Cagliari (Italy)

**ABS 15.** LONGITUDINAL EVALUATION OF MYOCARDIAL FUNCTION IN INFANTS WITH HYPOXIC-ISCHEMIC ENCEPHALOPATHY (HIE): PRELIMINARY DATA  
Bologna (Italy)

**ABS 16.** CHANGES IN PODOCYTE NUMBER DURING INTRAPERITONEAL DEVELOPMENT  
M. Desogus, A. Crobe, A. Sanna, C. Gerosa, C. Fanni, C. Lodo, M. Puddu, G. Ottonello, D. Fanni  
Cagliari (Italy)

**ABS 17.** EFFICACY OF RECOMBINANT HUMAN ERYTHROPOIETIN IN ANEMIC PREGNANT WOMEN WITH HETEROZYGOUS BETA-THALASSEMIA  
S. Angioni, V. Masi, G.R. Melis  
Cagliari (Italy)

**ABS 18.** WT1 EXPRESSION IN ONTOGENESIS OF HUMAN FETUS  
R. Ambu, L. Vinci, C. Gerosa, D. Fanni, E. Obinu, A. Faa, V. Fanos  
Cagliari (Italy)

**ABS 19.** BRAIN HYPERThERMIA in PERINATAL ARTERIAL ISCHEMIC STROKE (PAI5)  
A. Djouf, G. Pomero, C. Dalmazzo, C. Alpicoceri, G. Bergarello, N. Castellino, C. De Maio, A. Simonetti, P. Gancia  
Carlo Dionisi-Vici (Italy)

**ABS 20.** FAVORABLE OUTCOME AFTER SEVERE HEMOSTATIC COMPLICATIONS IN NEONATES RECEIVING THERAPEUTIC HYPERThERMIA (TH) FOR PERINATAL ASPHYXIA  
Rome (Italy)

**ABS 21.** VARIATIONS IN CARDIOMYOCYTE DENSITY IN DIFFERENT ZONES OF THE LEFT VENTRICULAR WALL CHARACTERIZE THE DEVELOPING HUMAN HEART  
E. Pedda, A. Crobe, M. Desogus, A. Faa  
Cagliari (Italy)

**ABS 22.** RENAL SHEAR WAVES VELOCITY CORRELATES WITH ESTIMATED GLOMERULAR FILTRATION RATE IN CHILDREN WITH CHRONIC KIDNEY DISEASE  
M. Zaffanello, C. Bruno, G. Piccatelli, R. Mucillo, M. Brugnara, M. Ciccheto, M. Zuffante, A. Buccioni  
Verona (Italy)

**ABS 23.** A POSSIBLE NEW APPROACH FOR INFORMATION TO PARENTS ON THE USE OF OFF-LABEL DRUGS IN NEONATOLOGY and PEDIATRICS  
Cagliari, Prato, Bari, Naples, Turin, Bergamo, Monza (Italy)

**ABS 24.** NEONATAL HYPOGLYCEMIA  
Carlo Dionisi-Vici  
Rome (Italy)

**ABS 25.** METABOLOMICS APPROACH FOR THE FUNCTIONAL EVALUATION OF A POPULATION OF KIDS BORN VERY preterM: PRELIMINARY RESULTS WITH GC-MS  
M. Zaffanello, E. Del Zotti, D. Grapov, L. Barberini, C. Fattuoni, A. Bucci, M. Cecchetto, M. Zuffante, A. Bucci  
Cagliari, Rome and Naples (Italy)
ABS 26. LIPOMA OF THE CORPUS CALLOSUS: A CLINIC CASE
V. Mantele, R. Imesi, E. Coni, M.A. Marcellis, M.C. Pintus
Cagliari (Italy)

ABS 27. CEREBRAL OXYGENATION, SUPERIOR VENA CAVA FLOW, SEVERE IVH AND MORTALITY IN 60 VERY LOW BIRTH WEIGHT INFANTS
M. Pozzi, R.M. Cerbo, G. Masa, E. De Sando, M. Stronati
Pavia (Italy)

ABS 28. A SARDINIAN HOSPICE BY THE SEA, FOUNDED IN CAGLIARI 135 YEARS AGO
I. Farretani, F. Farretani
Milan, Modena and Reggio Emilia (Italy)

ABS 29. CHANGES IN Podocyte Number and Glomerular Volume in Down Syndrome
A. Crobe, M. Desogus, S. Soddu, G. Pandolfo
Cagliari (Italy)

ABS 30. GIORGIO MAGGIONI, MASTER OF PEDIATRICS
M.G. Gregorini, F.S. Biagiarelli, L. Cataldi
Cagliari and Rome (Italy)

ABS 31. REGULATION OF THE HOSPICE BY THE SEA OF VIAREGGIO UNDER THE BORBOUN-PARMA DINASTY
I. Farretani, F. Farretani
Milan, Modena and Reggio Emilia (Italy)

ABS 32. MILK’S COLOURS AND LATCH SCORE: A TRANSCULTURAL EXPERIENCE IN NURSE LED CLINIC
C. Emissa, A. Dessì, E. Vannelli, V. Fanos
Cagliari (Italy)

ABS 33. EPICARDIAL FAT THICKNESS, AN EMERGING CARDIOMETABOLIC RISK FACTOR, IS INCREASED IN YOUNG ADULTS BORN PRETERM
P.P. Bassareo, M. Puddu, S. Marras, G. Mercuto
Cagliari (Italy)

ABS 34. A METABOLOMICS ANALYSIS OF CONGENITAL DIAPHRAGMATIC HERNIA: SURVIVORS VS NON SURVIVORS. PRELIMINARY RESULTS
Rome and Cagliari (Italy) and Rotterdam (The Netherlands)

ABS 35. BERNARDINO RAMAZZINI AND OCCUPATIONAL EXPOSURE IN NEONATOLOGY IN THE SEVENTEENTH CENTURY
I. Farretani, F. Farretani
Milan, Modena and Reggio Emilia (Italy)

ABS 36. MARKED INTERINDIVIDUAL VARIABILITY IN SURFACTANT A AND B PROTEIN EXPRESSION IN THE FETAL AND NEWBORN HUMAN LUNG
C. Ennas, A. Dessì, E. Vannelli, V. Fanos
Cagliari and Rome (Italy)

ABS 37. TRANSFUSION RELATED ACUTE LUNG INJURY IN NEONATES
Cagliari, San Giovanni Montorio (Italy) and Matsumoto (Japan)

ABS 38. SEIZURES-LIKE WERE THE ALARMING SYMPTOMS IN AN AFRICAN CHILD WITH LIFE-THREATENING CONDITION FROM SEVERE UPPER RESPIRATORY TRACT OBSTRUCTION
M. Zaffanello, E. Gasperi, P. Biban, L. Lubrano, E. Fiorini, G. Piacentini
Verona (Italy)

ABS 39. DIAGNOSIS OF TUBEROUS SCLEROSIS COMPLEX IN THE NEONATAL PERIOD: A CASE REPORT
C. Loddo, P. Neroni, S. Floris, M.A. Marcellis, R. Carta, C. Fanni, D. Pruna, G. Ottonello
Cagliari (Italy)

ABS 40. SAVE BREAST-MILK FROM POLLUTION
L. Manseglia, S. Manti, G. D’Angelo, C. Mami, C. Salpietro, I. Barbieri
Messina (Italy)

ABS 41. THE ROLE OF EPIDEMIOGENETIC FACTORS ON DIABETES MELLITUS DEVELOPMENT
A.P. Prina, G. Locci, C. Ripoli, A.M. Nurchi
Cagliari (Italy)

ABS 42. WT1 EXPRESSION IN THE HUMAN MESONEPHROS
L. Vinci, E. Obinu, G. Locci, C. Gerova, D. Fanni, F. Fanos, R. Ambu
Cagliari (Italy)

ABS 43. SINUSOIDAL CELL APOPTOSIS: A NEW MARKER OF PERINATAL SEPSIS?
E. Obinu, L. Vinci, G. Locci, C. Gerova, D. Fanni, F. Birocchi, F. Coglia, R. Ambu
Cagliari (Italy)

ABS 44. WT1 EXPRESSION IN THE HUMAN EMBRYO LIVER AT 7 WEEK OF GESTATION: SIMILARITIES WITH HEPATOCELLULAR CARCINOMA
E. Obinu, L. Vinci, D. Fanni, R. Ambu
Cagliari (Italy)

ABS 45. EPIDERMOLYSIS BULLOSA
S. Vendemmin, D. Nopus, M. Vendemmin
Aversa and Naples (Italy)

ABS 46. PLATELETS ALLOIMMUNE ANTIBODIES: DIFFERENT OUTCOME IN TWIN PREMATURE INFANTS
I. Sibona, M. Gaffuri, S. Spinogli, P. Biban
Verona (Italy)

ABS 47. AN UNEXPECTED ENEMY
R. Carta, C. Fanni, C. Loddo, P. Saur, C. Soddu, A.M. Nurchi
Cagliari (Italy)

ABS 48. MAY THE HIF-1A POLYMORPHISMS BE HELPFUL IN UNDERSTANDING THE NEONATAL HYPOXIC-ISCHEMIC EVENTS?
E. d’Alota, M. Caddeo, M. Melis, R. Piras, G.P. Maitet, M.F. Rosa
Cagliari (Italy)

ABS 49. IMMUNE THROMBOCYTOPENIA DUE TO RIFAMPICIN: DESCRIPTION OF A PEDIATRIC CASE
V. Relli, S. Piras, G. Melis, O. Forresu, U. Pelosi
Iglesias (Italy)

ABS 50. THE EFFECTS OF NEONATAL RESUSCITATION TRAINING ON THE APGAR SCORES OF BABIES BORN AT THE NATIONAL HOSPITAL ABUJA (NHA), NIGERIA
Abuja (Nigeria) and Cincinnati (OH, USA)

Selected abstracts are from Belgium, Italy, Greece, Japan, The Netherlands, Nigeria, the UK and the USA and will participate to the 5 prizes.
The list includes the 50 abstracts selected among those received.
Abstracts no. 24 and 48 will be presented as lectures during the Workshop.
All the other abstracts will be presented as posters and discussed on Thursday (abstracts no. 1-25) and on Friday (abstracts no. 26-50).
### IX Convegno Neonatologico Infermieristico “Terra di Sardegna”

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<tr>
<th>Role</th>
<th>Early registration (before September 30, 2014)</th>
<th>Late registration (after September 30, 2014)</th>
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<tr>
<td>Nurses</td>
<td>€ 25,00</td>
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<td>Physicians</td>
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The fee covers: participation to all open-session events, educational brochures, and business brunch on October 23rd, 2014.

### Giovedì/Thursday, October 23rd, 2014 · Full day

- **10th International Workshop on Neonatology**
- **International Conference on Perinatal Pathology**
- **International Course on Perinatal Pathology**

### Mercoledì/Wednesday, October 22nd, 2014 · Pomeriggio/Afternoon

- **3rd International Conference on New Trends in Neonatology**
- **3rd International Conference on New Trends in Neonatology**

### Mercoledì/Wednesday, October 21th, 2014 · Mattina/Morning

- **Corso per medici e infermieri a numero chiuso**
- **Corso per medici e infermieri a numero chiuso**

### Sabato/Saturday, October 25th, 2014 · Full day

- **International Course on Neonatal and Pediatric Laboratory Medicine**

### October 21st-25th, 2014 – Cagliari (Italy)

**Inscription procedures/Modalità d’iscrizione**

- **Early registration (before September 30, 2014)**
  - Physicians: € 120,00
  - Nurses: € 60,00
  - The fee covers: participation to all open-session events and educational brochures.

- **Late registration (after September 30, 2014)**
  - Physicians: € 220,00
  - Nurses: € 150,00
  - The fee covers: participation to all open-session events, educational brochures and business brunches on the selected days.

- **SPECIAL INSRIPTION PROCEDURES (FOR ITALIAN PARTICIPANTS)**

- **Students and specializing**
  - Those wishing to attend must submit the Registration Form online duly completed and accompanied by receipt of payment.

- **Because of limited seating**, registrations will be accepted on a first-come basis.

- **Once the maximum number of participants has been reached**, registration will be closed and the organizing secretariat will promptly contact those participants exceeding the threshold for reimbursement.

- **Registration deadline is 5 days prior to the event.**
CONGRESS VENUE
Congress Center at T HOTEL
Via Dei Giudicati, 09131 Cagliari
Tel. +390704740 Fax +39070474016
website: www.thotel.it
e-mail: reservation@thotel.it – info@thotel.it

How to get there
By airplane Cagliari-Elmas Airport (10 km far from the hotel).
By ferry Cagliari Porto 2 km; Porto Torres S.S. 131; Golfo Aranci-Olbia S.S. 125,
S.S. 131; Arbatax S.S. 125.
By car T Hotel is easily reachable from road n. 131; following “Cagliari San
Benedetto” direction and then T Hotel sign.

CONTINUING MEDICAL EDUCATION (ECM)
Credits have been requested for the following professional categories: Physicians and Nurses.
The events are addressed to the disciplines of Pediatrics, Neonatology, Laboratory
Medicine, Obstetrics and Pathology.

CERTIFICATE OF ATTENDANCE
A certificate of attendance will be available to each registered congress participant at the end
of each Workshop/Conference.

PROCEEDINGS
• The lectures of the 4th International Conference on Neonatal and Pediatric Laboratory
  Medicine will be published in Clinica Chimica Acta.
• The lectures of the other meetings are published in the Journal of Pediatric and Neonatal
  Individualized Medicine.
• The accepted posters/abstracts are published in the Journal of Pediatric and Neonatal
  Individualized Medicine.
• Moreover, on the occasion of the workshop, a special online issue of the Journal of
  Maternal Fetal Neonatal Medicine, entitled “Neonatomics and childomics: the right route to
  the future”, has been published.

OFFICIAL LANGUAGES
English and Italian; simultaneous translation will be guaranteed for all the Wednesday,
Thursday and Friday sessions. The course on Saturday will be in English only.

ACKNOWLEDGEMENTS
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Associations participating in the Workshop.
The Journal of Pediatric and Neonatal Individualized Medicine (JPNIM) is the Official Journal UENPS (Union of European Neonatal & Perinatal Societies)

OFFICIAL WEBSITE
www.jpnim.com

PUBLISHING MODE
Peer-reviewed, online, fast-track and Open Access

DESCRIPTION
The Journal of Pediatric and Neonatal Individualized Medicine is a peer-reviewed interdisciplinary journal which provides a forum on new perspectives in pediatric and neonatal medicine. The aim is to discuss and to bring readers up to date on the latest in research and clinical pediatrics and neonatology. Special emphasis is on the developmental origin of health and disease, perinatal programming and on the so-called ‘omics’ sciences. Systems medicine blazes a revolutionary trail from reductionist to holistic medicine, from descriptive medicine to predictive medicine, from an epidemiological perspective to a personalized approach. The journal will be relevant to clinicians and researchers concerned with personalized care for newborns and children. Medical humanities will also be considered in a tailored way.

INDEXING
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11th International Workshop on Neonatology
October 28th-31st, 2015
T Hotel, Cagliari, Italy

Main topics
Hematology • Laboratory Medicine • Sepsis • Pathology
Metabolomics • Microbiomics • Neurology • Pharmacology • Nutrition
Perinatal Programming • Developmental Origins of Health and Disease
History of past Workshops (continued from previous page)
Associazione Ercolino Onlus
Fondazione di ricerca sarda per il benessere dei piccolini

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