



FACULTY OF
PAEDIATRICS

THE INAUGURAL IRISH NEONATAL RESEARCH SYMPOSIUM

Alexander Hotel, Dublin 2

6th November 2009



THE INAUGURAL IRISH NEONATAL RESEARCH SYMPOSIUM

ALEXANDER HOTEL, DUBLIN

6 NOVEMBER 2009

08.30-09.00

TEA/COFFEE REGISTRATIONS

09.00-09.10

ELEVATED SERUM FERRITIN in VERY LOW BIRTH WEIGHT INFANTS (VLBW)

Macken A¹, M. Barrett¹, R. McCarthy¹, E. Molloy^{1,2}

¹Neonatology, National Maternity Hospital, Holles Street,

²UCD School of Medicine and Medical Sciences, University College Dublin, Dublin

09.10-09.20

COGNITIVE, PSYCHO-SOCIAL, AND MEDICAL OUTCOMES OF VERY LOW BIRTH WEIGHT INFANTS AT AGE 10-14 YEARS IN IRELAND

Mc Nicholas, F., Healy, E., Dooley, B., O' Connor, N., Lennon, R., Coakley, S., O'Connell, H., Doyle, P., White, M., Sheridan M., & Olabiyi, D.

Lucena Clinic, Our Lady's Children's Hospital, Crumlin, The Coombe Maternity Hospital, & University College Dublin.

09.20-09.30

ABNORMAL TROPONIN IS ASSOCIATED WITH COAGULOPATHY IN INFANTS WITH NEONATAL ENCEPHALOPATHY

Delany A, Smith S, Walsh A, Donoghue V, Twomey A, Molloy EJ.

Dept of Paediatrics & Radiology, National Maternity Hospital, Holles St., Dublin;
UCD School of Medicine and Medical Sciences, University College Dublin

09.30-09.40

ACCURACY OF SCALES USED TO WEIGH NEWBORN INFANTS

Emily A. Kieran, Niamh McGrath, Eoghan Hayden, Colm P.F. O'Donnell
The National Maternity Hospital, Holles Street, Dublin

09.40-09.50

UNIVERSAL NEWBORN HEARING SCREENING – THE MOUNT CARMEL EXPERIENCE

T Bolger, N Denham, B Denham, Mount Carmel Hospital, Dublin 14

09.50-10.00

NECROTISING ENTEROCOLITIS: HAEMATOLOGICAL MARKERS OF MORTALITY

Lee R, McCarthy R, Molloy EJ.

Dept of Paediatrics, National Maternity Hospital, Holles St., Dublin;
UCD School of Medicine and Medical Sciences, University College Dublin

This meeting is certified for 7 CME Credits



10.00-10.10

ROP SCREENING AND STRESS IN PRETERM INFANTS

N Kandamany, E Hayden, M O’Keeffe, JF Murphy
Depts of Neonatology, Clinical Engineering & Ophthalmology,
National Maternity Hospital, Holles Street, Dublin 2

10.10-10.20

**16S RIBOSOMAL RNA IN THE DIAGNOSIS OF LATE
ONSET SEPSIS IN PRETERM INFANTS**

Davis J W¹, Fairley D², McCarthy A³, Coyle P², Christie S³, Shields M D⁴, Tubman R¹
Royal Maternity Hospital, Belfast Trust, Grosvenor Road, Belfast
Department of Virology, Kelvin Building, Belfast Trust, Grosvenor Road, Belfast
Royal Belfast Hospital for Sick Children, Grosvenor Road, Belfast
Department of Child Health, Queen’s University, Institute of Clinical Science, Grosvenor Road, Belfast

10.20-10.30

HUMAN PARECHOVIRUS (HPeV) INFECTION IN PRETERM INFANTS

Davis J W¹, Fairley D², McCarthy A³, Coyle P², Christie S³, Shields M D⁴, Tubman R¹
¹.Royal Maternity Hospital, Belfast Trust, Grosvenor Road, Belfast
1.Department of Virology, Kelvin Building, Belfast Trust, Grosvenor Road, Belfast
2.Royal Belfast Hospital for Sick Children, Grosvenor Road, Belfast
3.Department of Child Health, Queen’s University, Institute of Clinical Science, Grosvenor Road, Belfast

10.30-11.00

TEA/COFFEE AND POSTERS

11.00-11.45

GUEST LECTURE

“THE IMMUNE-INCOMPETENT NEONATE”

Dr. Robert Carr
Guy’s and St. Thomas’ Hospital, London

11.45-11.50

**OBSERVATIONAL STUDY ON MEASURES FOR PREVENTION
OF HOSPITAL ACQUIRED INFECTIONS IN NICU**

A Collins¹, M Dominguez², M Beckett², T Clarke^{1,2}
¹Royal College of Surgeons, ²Rotunda Hospital, Dublin



13.30-14.15

GUEST LECTURE
“UPDATE ON POSTNATAL STEROIDS FOR BRONCHOPULMONARY DYSPLASIA”

Prof. Henry Halliday
Belfast

14.15-14.25

CEPHALHAEMATOMA AND VACUUM ASSISTED DELIVERIES

O’Curraín E, Murphy J
Department of Neonatology, National Maternity Hospital, Holles St, Dublin 2, Ireland

14.25-14.35

**CULTURE-INDEPENDENT MOLECULAR DETECTION OF BACTERIAL
PATHOGENS ASSOCIATED WITH CHORIOAMNIONITIS IN PRETERM DELIVERIES**

Saxena N (1), Fairley DJ (2), Halliday HL (3), Sweet DG (1)
1. Regional Neonatal Unit, Royal Maternity Hospital, Belfast
2. Department of Microbiology, Belfast Health & Social Care Trust, Belfast
3. Department of Child Health, Queen’s University Belfast

14.35-14.45

**INITIAL ASSESSMENT OF JAUNDICE IN OTHERWISE HEALTHY INFANTS -
A COMPARISON OF METHODS IN TWO POST-NATAL UNITS**

Allen NM¹, O Donnell S², White M², Corcoran JD¹
1. Department of Neonatology, Rotunda Hospital, Dublin 1
2. Department of Neonatology, Coombe Women’s & Children’s University Hospital, Dublin 8

14.45-14.55

**THE VLBW INFANT WITH ACCELERATED COGNITIVE
DEVELOPMENT AT TWO YEARS CORRECTED AGE**

Slevin M, Murphy J
Dept. Neonatology, National Maternity Hospital, Dublin 2. Ireland

14.55-15.05

CORRELATION OF NEONATAL SKIN BARRIER FUNCTION WITH FAMILY ATOPY PROFILE

M. O’Carroll¹, A Gallagher¹, D. Murray¹, B. Murphy¹, A.D. Irvine², J. O’B. Hourihane¹
1. Dept of Paediatrics and Child Health, University College Cork, Cork City, Ireland
2. Dept of Dermatology, Trinity College Dublin, Ireland

15.05-15.30

TEA/COFFEE AND POSTERS



15.30-16.151

"EPICURE 2: DETERMINANTS OF OUTCOME FOLLOWING EXTREMELY PRETERM BIRTH"

GUEST LECTURE

Prof. Kate Costeloe
Homerton University Hospital, London

16:15-17:15

RESEARCH DISCUSSION FORUM

HOW TO GET A PAPER PUBLISHED

Prof. Henry Halliday

HOW TO SET UP A RANDOMISED CONTROLLED TRIAL (RCT)

Dr. Colm O'Donnell

PITFALLS OF MULTICENTRE RCTS IN IRELAND

Dr. Anne Twomey

ALL ASPECTS OF NEONATOLOGY RESEARCH

Q&A Panel: Guest speakers

17.15

RESEARCH DAY CLOSE

Dr. J. Murphy

17:30

INAUGURAL IRISH NEONATAL RESEARCH NETWORK MEETING

Aim to establish an Irish Neonatal Research Network
Representatives from all Neonatal units in Ireland



Faculty of Paediatrics, RCPI
19 South Frederick Street, Dublin 2
Phone: 01 863 9729
Fax: 01 672 4707
Email: paediatrics@rcpi.ie

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Pharmaceutical Companies for their continued sponsorship.