

Neonatal Society Summer Meeting 28-29th June 2018

Trinity College, Dublin

Thursday 28th June 2018. 10.00 – 10.50 Registration

10.50 - 11.00 **Welcome**

Session 1: 11.00 – 13.00

Chair – Prof. Eleanor Molloy & Prof. James Boardman

11.00 M Abu Bakar, University Maternity Hospital, Limerick (UMHL)

Home oxygen referral audit in premature neonates born in UMHL

11.15 C Kortsalioudaki, University College London

Management of neonatal chylothorax: Twenty years' experience in a single tertiary Neonatal Unit.

11.30 J Timon, NUI Galway

Cord blood lymphocyte count as a potential screening tool for severe combined immunodeficiency

11.45 E Andrews, University Hospital, Southampton

3D scanning as a minimally invasive measuring technique for neonatal anthropometry

12.00 **Keynote Lecture.** Prof Andrew Ewer, University of Birmingham

Pulse oximetry screening for critical congenital heart defects: a long journey, are we there yet?

13.00 – 14.00 Lunch and Exhibits.

Session 2: 14.00 – 15.30

Chair – Prof Gene Dempsey and Prof Afif El-Khuffash

14.00 C Kortsalioudaki, University College London

Colonisation and late-onset sepsis due to Gram-negative bacteria in hospitalized neonates: the NeoHIEC study

14.15 S Fareed, University Hospital Limerick

Indicators for lumbar puncture in well-looking neonates; evidence from a national questionnaire-based survey

14.30 R Hutchinson, King's College London

Intestinal microbiome development in stable preterm infants: a longitudinal study

14.45 E Molloy, Trinity College, Dublin

Sex differences in innate immune function in neonates

15.00 G Toldi, Birmingham Women's Hospital

T-cell proliferation response in neonates at birth and at 3 weeks of age: preliminary results of the NAMFISIN study

15.15 M O'Dea, Trinity College, Dublin

Chronobiology in Neonatal Encephalopathy

15.30 – 16.00 Tea and Exhibits

16.00 The David Harvey Lecture (Introduced by Prof Neena Modi)

Prof Allyson Pollock - Consultant in Public Health Medicine and the Director of the Institute of Health and Society, Newcastle University

The Future of the National Health Service in England and implications for the rest of the UK?

17.00 Meeting close

18.30 Drinks followed by Conference Dinner

19.00 Conference dinner. Royal College of Surgeons of Ireland

Friday 29th June 2018

08.30 – 09.00 Registration and exhibits

Session 3: 09.00 – 10.45

Chair – TBC

09.00 G Geary, University of Bristol

Corpus callosal area is associated with cognitive but not motor abilities in school-aged children without cerebral palsy cooled for neonatal encephalopathy

09.15 P Galdi, University of Edinburgh

A data-driven metric of atypical brain development in preterm birth

09.30 P Tharmapopathy, Royal London Hospital

The predictive value of cerebral MR imaging for later neurodevelopment in newborns who have undergone therapeutic hypothermia for hypoxic-ischaemic encephalopathy in clinical practice

09.45 G Toldi, Birmingham Women's Hospital

Cytokine production pattern of T lymphocytes in neonatal arterial ischaemic stroke during the first month of life – a case series

10.00 E Jordan, Gloucestershire Royal Hospital

Survey of sedation, respiratory support and parental contact practices during therapeutic hypothermia for hypoxic-ischaemic encephalopathy

10.15 M O'Dea, Trinity College Dublin

Altered innate immunity in neonatal encephalopathy

10.30 H Cullen, King's College London

Genes associated with neuropsychiatric disease increase vulnerability to abnormal deep grey matter development.

10.45 – 11.15 Coffee and Exhibits

Session 4: 11.15 – 13.15

Chair TBC

11.15 N Aminudin, Rotunda Hospital, Dublin

Noise exposure in NICU and during neonatal transport: effects and effectiveness of noise protection

11.30 N Bussmann, Rotunda Hospital, Dublin

Early diastolic dysfunction and respiratory morbidity in premature infants: an observational study

11.45 N Bussmann, Rotunda Hospital, Dublin

Right ventricular and pulmonary vascular coupling is influenced by left ventricular diastolic function in premature infants

12.00 M Murphy, National Maternity Hospital, Dublin

Breathing and crying by newly-born preterm infants in an era of delayed cord clamping

12.15 Keynote Lecture. - Introduced by: Professor James Boardman

Prof Rhodri Cusack, Thomas Mitchell Professor of Cognitive Neuroscience,
Trinity College Dublin

Neuroimaging of the emergence of cognition and its potential clinical applications

13.15 – 14.15 Lunch and Exhibits

Session 5: 14.15 – 15.00

Chair Prof Howard Clark

14.15 Young Investigator's Prize Lecture. Dr Cheryl Battersby

Necrotising enterocolitis: addressing uncertainties using population approaches

14.55 Prize giving for best oral presentation by a trainee

15.00 – 15.30 Tea and Exhibits

15.30 The Peter Tizard Lecture (introduced by Prof Howard Clark)

Prof Andrew Morris- Professor of Medicine, Director, Health Data Research UK,
and Vice-Principal Data Science. University of Edinburgh

Data science: the cornerstone of medical discovery

16.30 Close of meeting