

Autumn Meeting, 7th November 2019

Royal Society of Medicine, 1 Wimpole Street, London, W1G 0AE

08.30. Coffee

Session 1: Chair – Professor Howard Clark

9.15. C Howarth, Homerton University Hospital NHS Foundation Trust

Can we reliably predict NEC in preterm infants using gut biomarkers and Near Infrared Spectroscopy?

9.30. C Murphy, Homerton University Hospital NHS Foundation Trust

Blood transfusion causes more profound changes in splanchnic oxygenation compared with brain

9.45. I Jones, University of Southampton

Remote ischaemic conditioning as a novel therapeutic intervention for experimental NEC

10.00. E Williams, King's College London

End-tidal carbon dioxide (ETCO₂) levels during resuscitation and CO₂ levels in the immediate neonatal period and subsequent cerebral injury

10.15. D Chong, University of Cambridge

The effect of pressure rise time on ventilator parameters and gas exchange during time-cycled and flow-cycled neonatal ventilation

10.30. O Carney, St Thomas' Hospital, London

Incidental findings on brain MR imaging in low risk term neonates in the developing human connectome project

10.45. Tea / coffee

Session 2: Chair – Professor Andy Ewer

11.15. Keynote Lecture

Professor Rebecca Slater. Nuffield Department of Clinical Neurosciences. University of Oxford.
Pain perception in the newborn

12.15. Annual General Meeting for Members of the Neonatal Society

13.15 Lunch break

Session 3: Chair – Dr Ela Chakkarapani

14.45. J Gundersen, University of Oslo

Classical neuropathology shows hypothermic neuroprotection in seven day old rats after a mild hypoxic ischemic insult

15.00. L Hage, Imperial College London

Changing clinical characteristics of infants treated with therapeutic hypothermia for hypoxic ischaemic encephalopathy in England, Wales and Scotland

15.15. M Eyre, King's College London

The developing human connectome project: normal and disrupted functional connectivity across the perinatal period

15.30. B Dean, University of Edinburgh

Eye-tracking for longitudinal assessment of social cognition in children born preterm

15.45. Afternoon Tea / Coffee

Session 4: Chair – Dr Chris Gale

16.15. S Newell, University of Bristol

Neonatal brain volume in twins with discordant birthweight – MRI findings from a multicentre prospective cohort study

16.30. G Toldi, University of Birmingham

Neonatal T cells acquire both pro-inflammatory and tolerant phenotypes in first three weeks of life

16.45. H Wood, University of Birmingham

Breast-fed neonates show increased immune tolerance against maternal antigens

17.00. **Prize for best presentation by a trainee**

17:05. **Widdowson Lecture (Introduced by Professor James Boardman)**

Professor Andrew Copp. UCL Institute of Child Health.

Neural tube defects: developmental biology, prevention and policy

18.05 Drinks reception and close of meeting