

Autumn Meeting, 10th November 2022

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

Meeting Virtual Link: To be emailed to delegates on 9 November 2022

Session 1

9:00. Dr Fran Conti-Ramsden, King's College London

The contribution of hypertensive disorders of pregnancy to the burden of late preterm and term admissions to neonatal units in the UK

9:15. Julia Lanoue, Imperial College London

Longitudinal analysis of neonatal admissions and outcomes of very and extremely preterm babies in England and Wales 2013 - 2021

9:30. Dr Behrouz Nezafat Maldonado, Imperial College London

Admissions and early transfers of infants with congenital diaphragmatic hernia in England and Wales 2012-2020

9:45. Dr George Bethell, University of Southampton

Comparison of outcomes with and without trans-anastomotic tube insertion in congenital duodenal obstruction – a systematic review and meta analysis

10:00. Tea / coffee

Session 2

10:30. Dr David Odd, University of Cardiff

Ethnicity, deprivation, and infant mortality: findings from the National Child Mortality Database

10:45. Dr N. Khan, University College London

Assessing the use of neonatal bloodstream infection guidelines in two sub-Saharan African countries using routine data collected via Neotree

11:00. Dr Jay Banerjee, Imperial College London

Non-invasive continuous measurement of cardiac output in neonatal intensive care using regional impedance cardiography

11:15. Tea / coffee

Session 3

11:45. **Keynote Lecture**

Professor Sarah Stock, University of Edinburgh

Antenatal steroids – the good, the bad and the unknown

12:30. **Annual General Meeting** (Open to members of the Neonatal Society)
In-person at the Royal Society of Medicine and via a virtual breakout session

13:30. **Lunch break**

Session 4

14:30. Andre Chew, King's College London
Executive functions in preschool children with congenital heart disease and controls

14:45. Julia Gundersen, University of Oslo
Restraint stress during neonatal hypoxia-ischemia alters brain injury following normothermia and hypothermia

15:00. Dr Gemma Sullivan, University of Edinburgh
Sex differences in human iPSC-derived microglia

15.15. Afternoon Tea / Coffee

Session 5

15:45. Haoxuan Zhang, University College London
Complexity of broadband near infrared spectroscopy signals in term newborn infants relates to outcome following neonatal encephalopathy

16:00. Yesenia Santana, Barts and the London School of Medicine and Dentistry
The feasibility and value of using video with the cerebral function monitor for seizure detection in newborns on the neonatal unit

16:15. Dr Fahad Arattu Thodika, King's College London
Respiratory function monitoring during early resuscitation and prediction of outcomes in prematurely born infants

Session 6

16:40. **Prizes for best presentations**

16:45. **Widdowson Lecture**
Professor Marianne Thoresen, University of Bristol and University of Oslo
Therapeutic hypothermia: what we know and what we need to know

17:45. Close of meeting