

Neonatal Society Spring Meeting, 10th March 2022

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

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

Session 1

9:00. Aneurin Young

Plasma urea is not a sufficient marker of adequate protein intake in very preterm infants

9:15. Michelle Fernandes

Neurodevelopmental outcomes of extremely preterm infants: theoretical and epidemiological perspectives to guide shared-care decision-making

9:30. Katie Gallagher

Healthcare professionals' attitudes towards extremely preterm birth: a Q-methodological study

9:45. Emily van Blankenstein

Views of parents, ex-patients and professionals on linkage of routinely recorded data of preterm babies

10:00. Tea / coffee

Session 2

10:15. Fergus Harnden

Caring for babies with palliative care needs and/or multiple complex health needs with an uncertain future in England and Wales 2015-2020

10:30. Maria-Sofia Kalogeropoulou

Continuous glucose monitoring during therapeutic hypothermia for hypoxic ischaemic encephalopathy

10:45. Rory Teed

Incidental findings on 3T brain MRI at term-equivalent age in a research cohort of very preterm infants and term-born controls

11:00. Lucy Vanes

Longitudinal Neonatal Brain Development and Infant Psychopathology Following Preterm Birth

11:15. Tea / coffee

Session 3

11:30 **Keynote Lecture**

Dr David MacIntyre, Reader in Reproductive Systems Medicine, Imperial College London

Vaginal microbiota-host interactions and preterm birth

12:30. Lunch break

Session 4

14:00. Abi Fukami-Gartner

Individualised assessment of regional brain volumes in neonates with Down syndrome reveals extreme deviation in white matter and cerebellum

14:15. Gemma Sullivan

Early breast milk exposure is associated with cortical maturation in preterm infants

14:30. Lisa Mills

Comparison of 18 months cognition, motor, and language outcomes with early childhood WIPPSI IV and Movement Assessment Battery (MABC-2) in children with moderate or severe HIE

14:45. Divyen Shah

Signatures of altered energy metabolism in the urine of newborns with substantial brain injury after hypoxic ischaemic encephalopathy

15:00 Lucy Fullerton

Neonates in need of clinical care escalation were transferred later during the COVID-19 pandemic

15:15. Afternoon Tea / Coffee

Session 5

15:30. **Rising Star Annual Invited Lecture**

Dr Harry Leitch Academic Clinical Lecturer in Genetics & Medical Research Council Investigator, Imperial College London

Pluripotent stem cell disease modelling approaches in acutely unwell neonates

16:00. Ilia Bresesti

Tidal volumes at birth in extremely preterm infants using different T-piece resuscitation devices

16:15. Ourania Kaltsogianni

Cumulative hypoxia, socioeconomic deprivation and neurodevelopmental outcomes in preterm infants

16:30. Rebecca Lee

Work of breathing at different tidal volume targets in newborn infants with congenital diaphragmatic hernia

Session 6

16:45. **Prize for best presentation by a trainee**

16:55. **McCance Lecture – Introduced by Professor Andy Ewer, President**

Prof David FitzPatrick, Professor and Consultant in Paediatric Genetics, Group Head MRC Human Genetics Unit, University of Edinburgh

Paediatric genomics: new methods for diagnosing rare disease in infants

17:55. Close of meeting