

Neonatal Update 2018

"the science of newborn care"

Imperial College London
19 - 23 Nov 2018
www.symposia.org.uk/neonatal

Director: Neena Modi, Professor of Neonatal Medicine, Imperial College London

Venue: BMA House, Tavistock Square, London WC1H 9JP

Monday 19 November

Chair: Dr Sabita Uthaya

09:30 Anaemia, red cell transfusion, and necrotising enterocolitis
Professor Ravi Mangal Patel, Emory University, Atlanta, USA

10:30 Circadian rhythms, health and disease
Dr Helen McKenna, University College London

11:30 Coffee

12:00 The promise of human genome editing
Dr Andy Greenfield, Medical Research Council Harwell

13:00 Lunch

14:00 The science of cryopreservation
Professor Barry Fuller, University College London

15:00 New approaches in the prevention and treatment of necrotising enterocolitis
Professor David Hackam, Johns Hopkins School of Medicine, Baltimore, USA

16:00 Tea

16:30 Lessons from birth cohorts
Dr Helen Pearson, Chief Magazine Editor, Nature

17:30 Welcome reception

Tuesday 20 November

Chair: Dr Cheryl Battersby

09:00 Management of the long term ventilated neonate
Dr Colin Wallis, Great Ormond Street Hospital

10:00 Developmental follow-up of children and young people born preterm: the UK NICE Guideline
Professor Neil Marlow, University College London

11:00 Coffee

Young Investigator Award presentations

Chair: Professor Neena Modi

11:30 Monitoring brain metabolism at the cot side
Dr Subhabrata Mitra, University College London

12:00 Measuring pain in the newborn infant
Dr Caroline Hartley, University of Oxford

12:30 Lunch

13:30 A baby girl with a BRCA1 mutation: the Pandora's box of genetic screening
Professor Anneke Lucassen, University of Southampton

14:30 Pain relief during screening for retinopathy of prematurity
Professor Rebeccah Slater, University of Oxford

15:30 Tea

16:00 **THE 2018 DAVID HARVEY LECTURE**

Delayed or immediate cord-clamping in preterm infants? Introducing the **ALPHA** Collaboration to Advance Large Publicly prioritized trials of Health outcomes Assessment

Professor William Tarnow-Mordi, University of Sydney

17:00 End of day

Wednesday 21 November

Chair: Professor Andrew Wilkinson

- 09:00 A 21st century improvement pipeline for newborn health
Professor Neena Modi, Imperial College London
- 10:00 *The science of medicine in space*
Wing Commander Dr Peter Hodkinson, Royal Air Force Centre of Aviation Medicine
- 11:00 *Coffee*
- 11:30 Selective or universal screening for Group B streptococcus in pregnancy
Professor Fiona Denison, University of Edinburgh
- 12:30 *Lunch*
- 13:30 Masterclasses in the Courtyard Suite (ground floor) for those who have booked; free afternoon for others
1. Pros and cons of near infra-red spectroscopy in the clinical setting: *Professor Topun Austin University College London and Cambridge University Hospitals NHS Trust*
 2. Clinical implications of the preterm oxygen saturation trials: *Professor William Tarnow-Mordi University of Sydney*
 3. The technique of less invasive surfactant administration (LISA) organised and funded by Chiesi Limited: *Dr Vimal Vasu, William Harvey Hospital, Ashford and Dr Porus Bustani, Sheffield*
- 15:00 *Tea*
- 15:15 Masterclasses (repeat of above)
- 16:45 *End of day*

Thursday 22 November

Chair: Dr Matthew Hyde

- 09:00 Improving the quality of quality improvement
Professor Mary Dixon-Woods, THIS Institute, University of Cambridge
- 10:00 Assessing quality and improving newborn care in low income countries
Professor Mike English, Kenya Medical Research Institute Wellcome Trust
- 11:00 *Coffee*
- 11:30 Intrauterine growth restriction and later cardiovascular function
Professor Fatima Crispi, University of Barcelona
- 12:30 *Lunch* Chair: Dr Tom Lissauer
- 13:30 Unexpected collapse in apparently healthy newborns: investigation, causes, and outcomes
Dr Julie-Clare Becher, Royal Infirmary of Edinburgh
- 14:30 Lactoferrin in preterm care: evidence from randomised controlled trials
Dr Janet Berrington, University of Newcastle
- 15:30 *Tea*
- 16:00 New diagnostic modalities and emerging treatments for neonatal bone disease
Professor Nick Bishop, Sheffield Children's Hospital
- 17:00 *End of day*

Friday 23 November

- 09:00 Folic acid and neural tube defects: an unfinished story
Professor Sir Nicholas Wald, Wolfson Institute of Preventative Medicine
- 10:00 Management of antenatally detected kidney malformations
Professor Paul Winyard, University College London
- 11:00 *Coffee*
- 11:30 Managing threatened preterm labour
Professor Jane Norman, University of Edinburgh
- 12:30 *Lunch*
- 13:30 The evolution of sex-specific virulence in infectious diseases
Professor Francisco Úbeda, Royal Holloway, University of London
- 14:30 Reconstruction of congenital hand anomalies
Ms Gill Smith, Great Ormond Street Hospital
- 15:30 *End of meeting*

