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|       | <b>Monday 25 November 2024</b><br>All lectures take place in THE GREAT HALL – 1 <sup>st</sup> Floor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 08.30 | REGISTRATION – RECEPTION & SNOW ROOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|       | Chair: Dr Sabita Uthaya, Professor of Practice (Neonatal Medicine), Imperial College London, UK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 09.30 | <b>Oxygen targets in neonatal pulmonary hypertension</b><br>Professor Satyan Lakshminrusimha, <i>Professor and Chair, Department of Paediatrics, UC Davis Children's Hospital, California, USA</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 10.30 | <b>Waterbirth: How safe are they for mothers and their babies?</b><br>Professor Julia Sanders, <i>Professor of Clinical Midwifery, School of Healthcare Sciences, Cardiff University, UK</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 11.30 | COFFEE – SNOW ROOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|       | Chairs: Dr Vimal Vasu, Consultant Neonatologist, William Harvey Hospital, Kent, UK and Dr Sabita Uthaya, Professor of Practice (Neonatal Medicine), Imperial College London                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|       | YOUNG INVESTIGATOR AWARDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 12.00 | 12.00 - <b>Advancing nutritional care for moderate and late preterm infants: Insights from the DIAMOND trial</b><br>Dr Tanith Alexander, <i>Specialist Neonatal Dietician and Senior Research Fellow, Counties Manukau Health and the Liggins Institute, New Zealand</i><br><br>12.20 - <b>Infancy: A critical window for growth</b><br>Dr Kera McNelis, <i>Assistant Professor of Pediatrics, Emory University and Children's Healthcare of Atlanta, USA</i><br><br>12.40 - <b>Ultrasound assessment of the newborn lung</b><br>Dr Arun Sett, <i>Neonatologist, Joan Kirner Women's and Children's, Sunshine Hospital, Western Health, Victoria, Australia</i> |
| 13.00 | LUNCH – SNOW ROOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|       | Chair: Professor Chris Gale, Professor of Neonatal Medicine, Imperial College London, UK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 14.00 | <b>Milk as medicine: Intranasal human milk for brain injury and other human milk therapeutics</b><br>Dr Rebecca Hoban, <i>Associate Professor of Paediatrics, Director of Breastfeeding Medicine, Division of Neonatology, University of Washington, USA</i>                                                                                                                                                                                                                                                                                                                                                                                                    |
| 15.00 | <b>Birthmarks – clinical implications and targeted therapies</b><br>Professor Veronica Kinsler, <i>Professor of Paediatric Dermatology and Dermatogenetics, Great Ormond Street Hospital for Children, London, UK</i>                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 16.00 | TEA – SNOW ROOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|       | Chair: Professor Chris Gale, Professor of Neonatal Medicine, Imperial College London, UK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 16.30 | <b>Improving the safety of newborn intubation. Lessons learnt so far and what the future holds</b><br>Dr Elizabeth Foglia, <i>Associate Professor of Paediatrics, Division of Neonatology, University of Pennsylvania, Perelman School of Medicine, USA</i>                                                                                                                                                                                                                                                                                                                                                                                                     |
| 17.30 | END OF DAY 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**Programme Directors:** Dr Sabita Uthaya, Professor of Practice (Neonatal Medicine), Imperial College London and Dr Vimal Vasu, Consultant Neonatologist, William Harvey Hospital, Kent, UK

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|       | <b>Tuesday 26 November 2024</b><br>All lectures take place in THE GREAT HALL – 1 <sup>st</sup> Floor                                                                                                                                |
| 08.00 | <b>REGISTRATION – RECEPTION &amp; SNOW ROOM</b>                                                                                                                                                                                     |
|       | Chair: Dr Vimal Vasu, Consultant Neonatologist, William Harvey Hospital, Kent, UK                                                                                                                                                   |
| 08.30 | <b>Research priorities in neonatal surgery: current challenges and potential solutions</b><br>Professor Nigel Hall, <i>Professor of Paediatric Surgery, University of Southampton, UK</i>                                           |
| 09.30 | <b>Advocating for drug development in newborn infants</b><br>Professor Karel Allegaert, <i>Clinical Pharmacology and Pharmacotherapy, Department of Pharmaceutical and Pharmaceutical Sciences, KU Leuven, Belgium</i>              |
| 10.30 | <b>COFFEE – SNOW ROOM</b>                                                                                                                                                                                                           |
|       | Chair: Dr Cheryl Battersby, Senior Lecturer in Neonatal Medicine, Imperial College London, UK                                                                                                                                       |
| 11.00 | <b>The Iowa experience with babies of 22 and 23 weeks' gestation</b><br>Professor Edward Bell, <i>Professor of Paediatrics, University of Iowa, USA</i>                                                                             |
| 12.00 | <b>The Japanese experience with babies of 22 and 23 weeks' gestation</b><br>Dr Tetsuya Isayama, <i>Head of Division Neonatology, National Center for Child Health and Development, Tokyo, Japan</i>                                 |
| 13.00 | <b>LUNCH – SNOW ROOM</b>                                                                                                                                                                                                            |
|       | Chair: Dr James Webbe, Academic Clinical Lecturer in Neonatal Medicine, Imperial College London, UK                                                                                                                                 |
| 14.00 | <b>Placental adaptations to maternal nutrition and the impact on lifelong health</b><br>Dr Jane Cleal, <i>Associate Professor in Reproductive Cell Biology, Human Development and Health, University of Southampton, UK</i>         |
| 15.00 | <b>An update on three parent families and mitochondrial diseases</b><br>Professor Grainne Gorman, <i>Consultant Neurologist and Director of the Wellcome Centre for Mitochondrial Research, Newcastle University, Newcastle, UK</i> |
| 16.00 | <b>TEA – SNOW ROOM</b>                                                                                                                                                                                                              |
|       | Chair: Dr Sabita Uthaya, Professor of Practice (Neonatal Medicine), Imperial College London, UK                                                                                                                                     |
|       | <b>IMPERIAL COLLEGE LONDON NEONATAL UPDATE KEYNOTE LECTURE</b>                                                                                                                                                                      |
| 16.30 | <b>Neonatal bioethics in a world of big data, AI and genomics</b><br>Dr John Lantos, <i>Paediatrician and Paediatric Bioethicist, Sun River Health System, Peekskill, NY, USA</i>                                                   |
| 17.30 | <b>DRINKS RECEPTION – SNOW ROOM</b>                                                                                                                                                                                                 |
| 19.00 | <b>END OF DAY 2</b>                                                                                                                                                                                                                 |

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|       | <b>Wednesday 27 November 2024</b><br>All lectures take place in THE GREAT HALL – 1 <sup>st</sup> Floor                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                |
| 08.30 | REGISTRATION – RECEPTION & SNOW ROOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                |
|       | Chair: Dr Cheryl Battersby, Senior Lecturer in Neonatal Medicine, Imperial College London, UK                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                |
| 09.00 | <b>Development of the neonatal immune system and its implications for later life</b><br>Professor Deena Gibbons, <i>Professor in Early Life Immunology, Peter Gorer Department of Immunobiology, School of Immunology and Microbial Sciences, King's College London, UK</i>                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                |
| 10.00 | <b>Altered brain development in congenital heart disease – insights from early neuroimaging</b><br>Professor Serena Counsell, <i>Head of Advanced Neuroimaging, Department of Perinatal Imaging, School of Biomedical Engineering and Imaging Sciences, Kings College London, UK</i>                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                |
| 11.00 | COFFEE – SNOW ROOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                |
| 11.30 | Chair: Dr Vimal Vasu, Consultant Neonatologist, William Harvey Hospital, Kent, UK                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                |
|       | <b>Complications of twin pregnancies, fetal management and long-term outcomes</b><br>Professor Asma Khalil, <i>Professor of Obstetrics and Fetal Medicine Specialist, St Georges Hospital, University of London, UK</i>                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                |
| 12.30 | <b>Lessons learnt from the national childhood mortality database for the UK and beyond</b><br>Professor Karen Luyt, <i>Neonatal Medicine, Translational Health Sciences, Bristol Medical School, University of Bristol, UK</i>                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                |
| 13.30 | LUNCH – SNOW ROOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                |
|       | <b>OPTIONAL WORKSHOP SESSIONS – COURTYARD SUITE</b><br>(Limited to 20 delegates per workshop – Fully subscribed)                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                |
| 14.00 | <b>Workshop A</b><br><b>Neonatal point of care ultrasound:</b><br><i>Lung and umbilical line position applications</i><br><br>Dr Mahmoud Montasser, Consultant Neonatologist, University Hospital Wishaw;<br>Dr Anna Milan, Consultant Neonatologist, Evelina London Neonatal Unit, Guy's & St Thomas's Hospital;<br>Dr Jay Banerjee, Neonatal Consultant, Imperial College Healthcare NHS Trust;<br>Dr Harsha Gowda, Consultant Neonatologist University Hospitals Birmingham<br><br><i>Supported by GE HealthCare</i> | <b>Workshop B</b><br><b>Early Delivery Management:</b><br><i>Optimal early care for the extremely premature infant</i><br><br>Dr Deena-Shefali Patel, Neonatal Consultant, Chelsea and Westminster Hospital Foundation Trust<br><br><i>Supported by Inspiration Healthcare</i> |
| 15.30 | TEA – SNOW ROOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                |
| 16.00 | <b>Workshop B (2)</b><br><br><b>Early Delivery Management:</b><br><i>Optimal early care for the extremely premature infant</i>                                                                                                                                                                                                                                                                                                                                                                                          | <b>Workshop A (2)</b><br><br><b>Neonatal point of care ultrasound:</b><br><i>Lung and umbilical line position applications</i>                                                                                                                                                 |
|       | END OF DAY 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                |

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|       | <b>Thursday 28 November 2024</b><br>All lectures take place in THE GREAT HALL – 1 <sup>st</sup> Floor                                                                                                                                  |
| 08.00 | REGISTRATION – RECEPTION & SNOW ROOM                                                                                                                                                                                                   |
|       | Chair: Dr James Webbe, Academic Clinical Lecturer in Neonatal Medicine, Imperial College London, UK                                                                                                                                    |
| 08.30 | <b>Advances in the detection and management of neonatal eye conditions</b><br>Mr Ashwin Reddy, <i>Consultant Paediatric Ophthalmologist, Royal London Hospital, Barts Health NHS Trust, UK</i>                                         |
| 09.30 | <b>Newborn screening policy in UK and variation across other countries</b><br>Dr David Elliman, <i>Clinical Lead for National NIPE &amp; NBS Screening Programmes, Consultant, Great Ormond Street Children's Hospital, London, UK</i> |
| 10.30 | <b>Physiology and interpretation of umbilical cord blood gases at birth</b><br>Professor Per Olofsson, <i>Professor Emeritus, Institution of Clinical Sciences Malmö, Lund University, Sweden</i>                                      |
| 11.30 | COFFEE – SNOW ROOM                                                                                                                                                                                                                     |
|       | Chair: Dr Vimal Vasu, Consultant Neonatologist, William Harvey Hospital, Kent, UK                                                                                                                                                      |
| 12.00 | <b>Developments in the detection of sepsis</b><br>Dr Myrsini Kaforou, <i>Senior Lecturer in Bioinformatics, Department of Infectious Diseases, Imperial College London, UK</i>                                                         |
| 13.00 | <b>Neonatal arrhythmias: management challenges and long-term outcomes</b><br>Dr Jan Till, <i>Consultant Paediatric Electrophysiologist, Divisional Director of Children's Cardiac Services, Royal Brompton Hospital, London, UK</i>    |
| 14.00 | LUNCH – SNOW ROOM                                                                                                                                                                                                                      |
|       | END OF MEETING                                                                                                                                                                                                                         |

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