

The 11th Irish Neonatal Research Symposium

Friday 13 November 2020

09.00-09.30	Online Display Poster Viewing Facility
09.30	Welcome – Prof. Eleanor Molloy
09.40-11.15	SESSION 1: Chairpersons: Dr Ann Hickey and Prof. John Murphy Original Research Session: 5 x 10 minute presentations
09.40-09.50	EFFECT OF GESTATIONAL DIABETES ON NEONATAL MYOCARDIAL DEFORMATION AND LEFT VENTRICULAR ROTATIONAL MECHANICS Aisling Smith¹; Orla Franklin²; Naomi McCallion^{1,3}; Fionnuala Breathnach⁴; Afif EL-Khuffash^{1,3}. ¹ Department of Neonatology, The Rotunda Hospital, Dublin, ² Department of Paediatric Cardiology, Our Lady's Children's Hospital Crumlin, ³ Department of Paediatrics, The Royal College of Surgeons in Ireland, Dublin, ⁴ Department of Obstetrics & Gynaecology, The Royal College of Surgeons in Ireland, Dublin
09.50-10.00	OPTIMAL THRESHOLD FOR SELECTIVE SURFACTANT ADMINISTRATION IN PRETERM NEONATES WITH RESPIRATORY DISTRESS SYNDROME – A SYSTEMATIC REVIEW AND NETWORK META-ANALYSIS Aoife Branagan^{1,2}, I Yu^{1,2}, K Guruasamy², J Miletin^{1,3,4,5} ¹ Coombe Woman and Infants University Hospital, Dublin 8, ² University College London (UCL), London, United Kingdom, ³ Institute for the Care of Mother and Child, Prague, Czech Republic, ⁴ UCD School of Medicine, University College Dublin, ⁵ 3rd School of Medicine, Charles University, Prague, Czech Republic
10.00-10.10	Correlation between Sleep Quality, Systemic Inflammation and Adverse Outcome in Neonatal Encephalopathy Tim Hurley¹, Philip Stewart², Mary O'Dea^{1,3}, Megan Ni Bhroin^{4,5}, Lynne Kelly¹, Gabrielle Colleran⁶, Angela Byrne⁷, Arun Bokde^{4,5}, Eleanor Molloy^{1,8,9} ¹ Paediatrics and Child Health, Trinity College Dublin, ² Paediatrics, CHI at Tallaght, Dublin, ³ Paediatrics, Rotunda Hospital, Dublin, ⁴ Cognitive Systems Group, Discipline of Psychiatry, School of Medicine, Trinity College Dublin, Dublin, ⁵ Trinity College Institute of Neuroscience (TCIN), Trinity College Dublin, Dublin, ⁶ Department of Radiology, The National Maternity Hospital, Dublin, ⁷ Department of Radiology, Children's Hospital Ireland (CHI) at Crumlin, Dublin, ⁸ Department of Neonatology, CHI at Crumlin and Tallaght, Dublin, ⁹ Paediatrics, Coombe Women and Infants University Hospital, Dublin, Ireland
10.10-10.20	REDUCING THE NEONATAL PLATELET TRANSFUSION THRESHOLD REDUCES THE NUMBER OF PLATELET TRANSFUSIONS Carmel Maria Moore¹, Sonia Varadkar², Fergus Guilfoyle³, John Kelleher¹ ¹ Neonatal Unit, CWIUH, ² Blood Transfusion Laboratory, CWIUH, ³ Haematology Laboratory, CWIUH
10.20-10.30	A Randomised Controlled Trial of Early Targeted Patent Ductus Arteriosus Treatment Using a Risk Based Severity Score (The PDA RCT) Afif EL-Khuffash^{1,2}; Neidin Bussmann¹; Colm R Breatnach¹; Aisling Smith¹; Elizabeth Tully³; Joanna Griffin⁴; Naomi McCallion^{1,2}; Brian Cleary^{5,6}; Orla Franklin⁷; and Patrick J McNamara^{8,9,10} on behalf of the <u>PDA RCT Trial Group</u> ¹ Department of Neonatology, The Rotunda Hospital, Dublin, Ireland. ² Department of Paediatrics, The Royal College of Surgeons in Ireland, Dublin, ³ Department of Obstetrics & Gynaecology, The Royal College of Surgeons in Ireland, Dublin, ⁴ Department of Research & Academic Affairs, The Rotunda Hospital, Dublin, ⁵ Department of Pharmacy, The Rotunda Hospital, Dublin, Ireland. ⁶ School of Pharmacy, Royal College of Surgeons in Ireland. ⁷ Department of Paediatric Cardiology, Our Lady's Children's Hospital Crumlin, Ireland. ⁸ Division of Neonatology, Stead Family Children's Hospital, Iowa City, IA, USA. Departments of ⁹ Pediatrics and ¹⁰ Cardiology, University of Iowa, IA, USA.
10.30-11.05	GUEST LECTURE: <i>"Neonatal pain assessment and management in 2020: Is there anything new?"</i> Prof. Elaine Boyle, Senior Lecturer in Neonatal Medicine, University of Leicester
11.05-11.20	COFFEE BREAK – Online Display Poster Facility
11.20-12.30	SESSION 2: Chairpersons: Prof. Naomi McCallion and Dr Lisa McCarthy
11.20-11.55	GUEST LECTURE: <i>'We need to talk about platelets...'</i> Dr Anna Curley, Consultant Neonatologist, National Maternity Hospital, Dublin

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11.55-12.30	GUEST LECTURE: <i>“Coagulation System in Very Preterm Neonates”</i> Dr Elaine Neary, <i>Consultant Neonatologist,</i> <i>Liverpool Women’s NHS Foundation Trust, Liverpool</i>
12.30-13.00	LUNCH BREAK – Online Display Poster Viewing Facility
13.00-14.25	SESSION 3: Chairpersons: Prof. Eugene Dempsey and Prof. Michael Boyle Original Research Session: 5 x 10 minute presentations
13.00-13.10	CommuNICU: Adapting doctor-parent communication during Covid-19 restrictions in a tertiary neonatal unit. Sharon Dempsey ¹ , Dunne EA ^{1,2} , Vavasseur C ¹ ¹ Department of Neonatology, National Maternity Hospital, Dublin, Ireland ² School of Medicine, University College Dublin, Ireland
13.10-13.20	A National Review and Standardisation of Amplitude integrated Electroencephalography (aEEG) Education in Ireland Allan Jenkinson ¹ , MA Boyle ² and D Sweetman ¹ . ¹ The National Maternity Hospital, Dublin, ² The Rotunda Hospital, Dublin
13.20-13.30	VIDEO ANALYSIS OF THERMAL CARE FOR VERY PRETERM INFANTS IN THE DELIVERY ROOM Emma Dunne ^{1,2} , Pellegrino N ³ , Murphy MC ^{1,2} , McDonald K ² , Dowling L ² , O’Donnell CPF ^{1,2} , McCarthy LK ^{1,2} ¹ Department of Neonatology, the National Maternity Hospital, Dublin, Ireland ² School of Medicine and Medical Sciences, University College Dublin, Dublin, Ireland ³ University Gabriele d’Annunzio of Chieti Pescara, Department of Medicine and Aging Science, Chieti, Abruzzo, Italy
13.30-13.40	Fortification of Breast Milk for Preterm Infants – Review of Practices in Irish Neonatal Units Roisin Gowan ¹ Roberta McCarthy ¹ and Dr Deirdre Sweetman ² in collaboration with Neonatal Dietitians Department of Clinical Nutrition and Dietetics and Department of Neonatology, National Maternity Hospital, Holles Street, Dublin
13.40-13.50	Neonatal COVID-19 Surveillance: A National Irish Survey Robert Joyce ¹ , Eoin O’Curraín ^{1,2,3,4} ¹ National Maternity Hospital Dublin, ² National Neonatal Transport Service ³ Children’s Health Ireland at Temple Street, ⁴ University College Dublin
13.50-14.25	GUEST LECTURE: <i>‘Too much and too little: how does an extra chromosome cause blood problems in babies with Down syndrome?’</i> Prof Irene Roberts, <i>Professor of Paediatric Haematology, University of Oxford</i>
14.25-14.45	Short Break – Online Display Poster Viewing Facility
14.45-16.10	SESSION 4: Chairpersons: Prof. Tom Clarke
14.45-15.00	Best Display Poster Oral Presentations – 2 x 5 Minute Oral Presentations
15.00-15.35	GUEST LECTURE: <i>“Impact of COVID-19 on Family-Centered Care for Newborns”</i> Prof Linda Franck, <i>University of California, San Francisco, USA</i>
15.35-16.10	GUEST LECTURE: <i>“Preterm Nutrition – Safety First”</i> Prof Alan Lucas, <i>Emeritus, Professor of Paediatric Nutrition, Institute of Child Health , University College, London and University of Oxford Department of Paediatrics</i>
16.20	Closing Remarks and Awarding of Educational Prizes Prof. Eleanor Molloy

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