

14th Irish Neonatal Research Symposium

Hyatt Centric Hotel, Dublin

Friday 22nd March 2024

CPD Pending

Time:

08:15-09:00

Arrival Tea/Coffee/Scones/Pastries & Fruit & Meet the Sponsors

09:00-10:50

Session 1 - Chairpersons: Prof Brian Sweeney, Dr Anne Doolan

09:00-09:10

Welcome – Prof. Eleanor Molloy

09:10-10:10

Original Research Presentations - 6 x 10 x Minute presentations

09:10-09:20

OF MICE AND PREMS: COMPARING PROTEOMIC TRANSITION IN A HUMAN AND MURINE COHORT

Daniel O'Reilly^{1,2}, Claire A Murphy³, Preeti Maurya⁴, Luisa Weiss², John O'Loughlin⁵, Elaine Neary⁶, Afif El Khuffash^{1,7}, Fionnuala Ní Áinle^{2,8}, Naomi McCallion^{1,7}, Craig Morrell⁴, Patricia Maguire²

1. Department of Paediatrics, Rotunda Hospital, Dublin 1
2. Department of Biomolecular and Biomedical Science, Conway Institute, UCD, Dublin 4
3. Department of Neonatology, Chelsea and Westminster Hospital, London, UK
4. Aab Cardiovascular Institute, University of Rochester, Rochester, NY, USA
5. Department of Laboratory Medicine, Rotunda Hospital, Dublin 1
6. Department of Neonatology, Liverpool Women's NHS trust, Liverpool, UK
7. Department of Paediatrics, Royal College of Surgeons in Ireland, Dublin 2
8. Department of Haematology, Mater Hospital, Dublin 7

09:20-09:30

Amplitude integrated electroencephalography during retrieval of neonates at risk of hypoxic-ischaemic encephalopathy: a feasibility study in road and fixed-wing air transport in Western Australia

Dr Mary O'Dea^{a,h}, Dr Varuna Chaudhary^{a,b}, Dr Alexander Wilson^{a,b,c}, Dr Ela Chakkrapanie^f, Dr Jonathan Davis^{a,b,c,d}

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09:30-09:40

DECREASE LEVELS OF MIR-20B, MIR-93 AND MIR-532 IN NEONATAL ENCEPHALOPATHY RESOLVE IN CHILDHOOD AND SIGNIFY POTENTIAL THERAPEUTIC TARGETS

Johana M Isaza-Correa^{†1-3}, Eva M Jimenez-Mateos^{†7}, Eman Isweisi¹⁻³, Tim Hurley¹⁻³, Matthew McGovern^{1-3,6}, Moira O'Reilly⁶, Mary O'Dea¹⁻³, Lynne A Kelly¹⁻³, Eleanor J Molloy^{1-6*}.

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09:40-09:50

DELIVERY ROOM DEXTROSE GEL FOR PRETERM HYPOGLYCEMIA (THE GEHPPI STUDY): A RANDOMIZED PLACEBO-CONTROLLED TRIAL

Graham King^{#1,2}, Julie Sloan¹, Peter Duddy³, Anne O'Sullivan¹, Niamh Ó Catháin¹, Jan Miletin¹, Sharon Dempsey², Shirley Moore², Jyothsna Purna², Christine Mc Dermott⁴, Margaret Moran⁴, Jean James⁵, Johannes Letshwiti⁵, Krystof Tabery^{1,6}, Aneta Kubátová⁶, Jan Janota⁶, John Kelleher¹

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- 2 Neonatology Dept., National Maternity Hospital, Holles Street, Dublin 2, Ireland
- 3 Pharmacy Dept., Coombe Hospital, Cork Street, Dublin 8, Ireland
- 4 Neonatology Dept., Rotunda Hospital, Parnell Square, Dublin 1, Ireland
- 5 Neonatology Dept., University Hospital Galway, Newcastle Road, Galway, Co. Galway, Ireland
- 6 Neonatology Dept., Motol University Hospital, V Uvalu 84, 15006 Prague 5, Czech Republic

09:50-10:00

DOES PLACENTAL PATHOLOGY IMPACT TOLERANCE OF LABOUR AND DEVELOPMENT OF NEONATAL ENCEPHALOPATHY: CASE-CONTROL STUDY

Áine Fox^{1, 2}, Adam Reynolds¹, 2, Aisling Dunne², Emma Doyle³, Ailbhe Tarrant⁴, Miriam Martinez-Biarge⁵, Claire McCarthy⁶, Michael Geary^{1, 6}, Rocco Cuzzilla^{1,7}, Breda Hayes^{1, 2}

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5. Department of Paediatrics, Hammersmith Hospital, London
6. Department of Obstetrics, Rotunda Hospital, Dublin, Ireland
7. Department of Neonatology, The Women's, Victoria, Australia

10:00-10:10	A REVIEW OF OUTPATIENT PHYSIOTHERAPY DATA FROM THE FIRST YEAR OF ACORN IN THE NATIONAL MATERNITY HOSPITAL Eithne Lennon and Joanne Egan. Physiotherapy Department, National Maternity Hospital, Dublin.
10:10-10:50	Guest Lecture: The role of surgery for Necrotising Enterocolitis Prof. Nigel Hall, Consultant in Neonatal and Paediatric Surgery, Southampton University Hospital
10:50-11:20	Tea/Coffee/Display Posters and Meet the Sponsors
Time	Session 2 - Chairpersons: Dr Ann Hickey & Prof Eleanor Molloy
11:20-12:00	Guest Lecture: Early antibiotics and NEC – is there a link? Prof. Claus Klingenberg, Lead Consultant/Professor, University of North Norway
12:00-12:40	The Landscape of NEC in Ireland Gavin Kane, Department of Paediatric Surgery, Children’s Health Ireland at Crumlin Contributors: Dr Ann Hickey, Dr Anne Twomey, Mr Brian Sweeney
12:40-13:50	Lunch in Main Restaurant followed by Tea/Coffee/Dessert in Sponsor Area
Time	Session 3 - Chairpersons: Prof Mike Boyle & Prof John Murphy
13:50-14:50	Original Research Presentations - 6 x 10 x Minute Presentations
13:50-14:00	ASSESSMENT OF PROLONGED PAIN IN THE NICU E Butler ¹ , Sean Tamgumus ^{1,2} , M Boyle ^{1,2} 1. Department of Neonatology, Rotunda Hospital, Dublin 2. Department of Paediatrics, Royal College of Surgeons in Ireland, Dublin
14:00-14:10	PARENT CLASS FOR INTRODUCING SOLIDS TO HIGH RISK INFANTS POST DISCHARGE FROM NICU: NEXT STEPS Zelda Greene¹, Aoife Tonge², Vanessa Winn³, Jessica Caldeira³ Sarah Browne³ ¹ Speech and Language Therapy NICU, ² Occupational Therapy NICU, ³ Dietetics NICU
14:10-14:20	OUTCOMES AND CHARACTERISTICS IN TERM INFANTS WITH NECROTISING ENTEROCOLITIS AND CONGENITAL HEART DISEASE Sean T Kelleher¹, John Coleman², Colin J. McMahon^{1,3,4}, Adam James^{1,5} 1. Department of Paediatric Cardiology, Children’s Health Ireland at Crumlin, Dublin, Ireland 2. Children’s Health Ireland at Crumlin, Dublin, Ireland 3. School of Medicine, University College Dublin, Belfield, Dublin 4, Ireland 4. School of Health Professions Education (SHE), Maastricht University, Maastricht, Netherlands 5. School of Medicine, Trinity College Dublin, Dublin, Ireland
14:20-14:30	NECROTISING ENTEROCOLITIS AND NEUROLOGICAL AND NEURODEVELOPMENTAL OUTCOMES: A SYSTEMATIC REVIEW Alisha Mohammed and Vidushi Sharma¹, Alexandra C Asman¹, Simideleoluwa Adesokan¹, Aaisha Al Wahshi¹, , Chloe L Cheong¹, Aliyah Jownally¹, Camille Lartaud-Balosso¹, Julia Rodighiero¹, James Trayer¹, Philip Stewart¹, Aoife Branagan^{1,6}, Edna Roche^{1,3,4}, Judith Meehan^{1,2,3}, Eleanor Molloy^{1,2,3,4,5,6*}, 1 Discipline of Paediatrics, Trinity College Dublin, the University of Dublin, Dublin, Ireland 2 Trinity Translational Medicine Institute (TTMI), St James Hospital, Dublin, Ireland 3 Trinity Research in Childhood Centre (TRiCC), Dublin, Ireland 4 Endocrinology & Neurodisability, Children’s Health Ireland (CHI) at Tallaght, Dublin, Ireland 5 Neonatology, CHI at Crumlin, Dublin, Ireland 6 Paediatrics, Coombe Women’s and Infant’s University Hospital, Dublin, Ireland

14:30-14:40	<p>URINE CULTURE IN NEONATAL LATE ONSET SEPSIS WORK-UP: A CLINICAL AUDIT Siti Aisyah Mohd Ramli¹, Sarah Hoolahan¹, Susan Knowles², Deirdre Sweetman¹ ¹Neonatology Department, National Maternity Hospital, Dublin ²Microbiology Department, National Maternity Hospital, Dublin</p>
14:40-14:50	<p>NEONATAL DIABETES IN IRELAND OVER THE PAST 17 YEARS- CLINICAL PRESENTATION, MANAGEMENT, GENETICS AND OUTCOME: A CASE SERIES Yuxin Woon^{1,2}, C. Card¹, L. Holcroft¹, C. Power^{1,6}, E. Somers¹, N. McGrath³, S Glackin⁴, D. Cody^{1,7}, C McDonnell^{5,8}, S.M. O'Connell^{1,6,7} 1. Diabetes and Endocrinology, Children's Health Ireland at Crumlin, Ireland. 2. Paediatrics and Child Health, Cork University Hospital, Ireland 3. Paediatrics, University Hospital Galway, Ireland 4. Paediatrics, Sligo University Hospital, Ireland 5. Diabetes and Endocrinology, Children's Health Ireland at Temple Street, Dublin, Ireland. 6. Paediatrics, Royal College of Surgeons of Ireland 7. Paediatrics, University College Dublin, Ireland. 8. Paediatrics, School of Medicine, Trinity College Dublin, The University of Dublin, Dublin, Ireland.</p>
14:50-15:30	<p>Guest Lecture "Inflammation in NEC and sepsis - two sides of the same coin?" Prof. Boris Kramer, Director of Paediatric Research, Maastricht University</p>
15:30-15:45	Short Coffee Break and Meet the Sponsors
15:45-16:30	<p>Henry Halliday Lecture: NEC conundrums: diagnosis, pitfalls and relevance to research Janet Berrington, Consultant Neonatal Paediatrician in Newcastle and Honorary Clinical Senior Lecturer in Neonatal Medicine, Newcastle University, UK</p>
16:30	Awarding of Research Presentation Awards

This meeting has been kindly sponsored by:

***Cardiac Services, Cergex, Chiesi, Draeger,
Fisher & Paykel Healthcare Ltd, Mitrone Healthcare, Norso Medical,
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(All sponsors who support this meeting through the sponsorship of exhibition space alone have no input into the Agenda, speaker selection or content of this meeting)