

The Royal Women's Hospital - Newborn Research Centre

Neonatal Research Refereed Research Publications 2013 :

1. Thompson DK, Thai D, Kelly CE, Leemans A, Tournier JD, Kean MJ, Lee KJ, Inder TE, Doyle LW, Anderson PJ, Hunt RW. Alterations in the optic radiations of very preterm children-Perinatal predictors and relationships with visual outcomes. *Neuroimage Clin.* 2013;4:145-53.
2. Lesley AT, Jain A, El-Khuffash A, Keyzers M, Rogerson S, McNamara PJ. Evaluation of cerebral electrical activity and cardiac output after patent ductus arteriosus ligation in preterm infants. *J Perinatol.* 2013; 33(11):861-6.
3. Ome M, Wangnapi R, Hamura N, Umbers AJ, Siba P, Laman M, Bolnga J, Rogerson S, Unger HW. A case of ultrasound-guided prenatal diagnosis of prune belly syndrome in Papua New Guinea – implications for management. *BMC Pediatr.* 2013 May 7; 13:70
4. Pascoe L, Roberts G, Doyle LW, Lee KJ, Thompson DK, Seal ML, Josev EK, Nosarti C, Gathercole S, Anderson PJ. Preventing academic difficulties in preterm children: a randomised controlled trial of an adaptive working memory training intervention - IMPRINT study. *BMC Pediatr.* 2013 Sep 16;13:144
5. Roberts G, Cheong J, Opie G, Carse E, Davis N, Duff J, et al. Growth of extremely preterm survivors from birth to 18 years of age compared with term controls. *Pediatrics.* 2013;131:e439-45.
6. Cheong JL, Burnett AC, Lee KJ, Roberts G, Thompson DK, Wood SJ, et al. Association between Postnatal Dexamethasone for Treatment of Bronchopulmonary Dysplasia and Brain Volumes at Adolescence in Infants Born Very Preterm. *J Pediatr.* 2013.
7. Cheong JL, Anderson P, Roberts G, Duff J, Doyle LW, and the Victorian Infant Collaborative Study Group. Postnatal corticosteroids and neurodevelopmental outcomes in extremely low birthweight or extremely preterm infants: 15-year experience in Victoria, Australia. *Archives of Disease in Childhood - Fetal and Neonatal Edition.* 2013;98:F32-6.
8. Jacobs SE, Tobin JM, Opie GF, Donath S, Tabrizi SN, Pirotta M, Morley CJ, Garland SM; ProPremis Study Group. Probiotic effects on late-onset sepsis in very preterm infants: a randomized controlled trial. *Pediatrics.* 2013;132(6):1055-62.
9. Beardsall K, Vanhaesebrouck S, Ogilvy-Stuart AL, Vanhole C, VanWeissenbruch M, Midgley P, Thio M, Cornette L, Ossueta I, Palmer CR, Iglesias I, de Jong M, Gill B, de Zegher F, Dunger DB. Validation of the continuous glucose monitoring sensor in preterm infants. *Arch Dis Child Fetal Neonatal Ed.* 2013;98(2):F136-
10. Breindahl M, Blennow M, Fauchère JC, Thio Lluch M, De Luca D, Marlow N, Picaud JC, Roehr CC, Vanpée M, Vilamor E, Zaharie G, Greisen G; European Society for Neonatology (ESN). The European database for subspecialist training in neonatology - transparency achieved. *Neonatology.* 2013;103(1):74-82.

11. Moreno Hernando J, Thió Lluch M, Salguero García E, Rite Gracia S, Fernández Lorenzo JR, Echaniz Urcelay I, Botet Mussons F, Herranz Carrillo G, Sánchez Luna M. Recommendations for neonatal transport. *An Pediatr (Barc)*. 2013;79(2):117.e1-7.
12. van Vonderen JJ, Narayen NE, Walther FJ, Siew ML, Davis PG, Hooper SB, Te Pas AB. The administration of 100% oxygen and respiratory drive in very preterm infants at birth. *PLoS One*. 2013;8(10):e76898.
13. Abu Jawdeh EG, O'Riordan M, Limrungsikul A, Bandyopadhyay A, Argus BM, Nakad PE, Supapannachart S, Yunis KA, Davis PG, Methylxanthine use for apnea of prematurity among an international cohort of neonatologists. Martin RJ. *J Neonatal Perinatal Med*. 2013;6(3):251-6.
14. Giaccone A, Jensen E, Davis P, Schmidt B. Definitions of extubation success in very premature infants: a systematic review. *Arch Dis Child Fetal Neonatal Ed*. 2013 99:2 F124-F127 .
15. Cruickshank MN, Oshlack A, Theda C, Davis PG, Martino D, Sheehan P, Dai Y, Saffery R, Doyle LW, Craig JM. Analysis of epigenetic changes in survivors of preterm birth reveals the effect of gestational age and evidence for a long term legacy. *Genome Med*. 2013 Oct 18;5(10):96.
16. Wilson EV, O'Shea JE, Thio M, Dawson JA, Boland R, Davis PG. Comparison of different mask holds for positive pressure ventilation in a neonatal manikin. *Arch Dis Child Fetal Neonatal Ed*. 2013 99:2 F169-F171.
17. Manley BJ, Owen LS, Doyle LW, Andersen CC, Cartwright DW, Pritchard MA, Donath SM, Davis PG. High-Flow Cannulae in very Preterm Infants after Extubation. *N Engl J Med*. 2013 10;369(15): 1425-1433. .
18. Cheong JL, Anderson PJ, Roberts G, Burnett AC, Lee KJ, Thompson DK, Molloy C, Wilson-Ching M, Connelly A, Seal ML, Wood SJ, Doyle LW. Contribution of Brain Size to IQ and Educational Underperformance in Extremely Preterm Adolescents. *PLoS One*. 2013 9;8(10): e77475.
19. Wilson-Ching M, Molloy CS, Anderson VA, Burnett A, Roberts G, Cheong JL, Doyle LW, Anderson PJ, Attention Difficulties in a Contemporary Geographic Cohort of Adolescents Born Extremely Preterm/Extremely Low Birth Weight. *J Int Neuropsychol Soc*. 2013 19:1-12.
20. Roberts CT, Davis PG, Owen LS, Neonatal Non-Invasive Respiratory Support: Synchronised NIPPV, Non-Synchronised NIPPV or Bi-Level CPAP: What is the Evidence in 2013? *Neonatology*. 2013; 104(3): 203-209.
21. Bhatia R, Morley CJ, Argus B, Tingay DG, Donath S, Davis PG. The Stable Microbubble Test for Determining Continuous Positive Airway Pressure (CPAP) Success in Very Preterm Infants Receiving Nasal CPAP from Birth. *Neonatology*. 2013;104(3):188-193.
22. Hooper SB, Fouras A, Siew ML, Wallace MJ, Kitchen MJ, Pas AB, Klingenberg C, Lewis RA, Davis PG, Morley CJ, Schmolzer GM. Expired CO2 Levels Indicate Degree of Lung Aeration at Birth. *PLoS One*. 2013;8(8):e70895

23. Kamlin CO, Schilleman K, Dawson JA, Lopriore E, Donath SM, Schmölzer GM, Walther FJ, Davis PG, Te Pas AB. Mask versus nasal tube for stabilization of preterm infants at birth: a randomized controlled trial. *Pediatrics*. 2013;132(2):e381-8.
24. McCarthy LK, Morley CJ, Davis PG, Kamlin CO, O'Donnell CP. Timing of Interventions in the Delivery Room: Does Reality Compare with Neonatal Resuscitation Guidelines? *J Pediatr*. 2013;163(6):1553-1557.
25. Dawson J, Saraswat A, Simionato L, Thio M, Kamlin C, Owen L, Schmölzer G, Davis P. Comparison of heart rate and oxygen saturation measurements from Masimo and Nellcor pulse oximeters in newly born term infants. *Acta Paediatr*. 2013;102(10):955-60.
26. Dold SK, Schmölzer GM, Kelm M, Davis PG, Schmalisch G, Roehr CC. Training Neonatal Cardiopulmonary Resuscitation: Can It Be Improved by Playing a Musical Prompt? A Pilot Study. *Am J Perinatol*. 2013 2013 Dec;89(12):1075-80
27. BOOST II United Kingdom Collaborative Group; BOOST II Australia Collaborative Group; BOOST II New Zealand Collaborative Group, Stenson BJ, Tarnow-Mordi WO, Darlow BA, Simes J, Juszczak E, Askie L, Battin M, Bowler U, Broadbent R, Cairns P, Davis PG, Deshpande S, Donoghoe M, Doyle L, Fleck BW, Ghadge A, Hague W, Halliday HL, Hewson M, King A, Kirby A, Marlow N, Meyer M, Morley C, Simmer K, Tin W, Wardle SP, Brocklehurst P. Oxygen saturation and outcomes in preterm infants. *N Engl J Med*. 2013;368(22):2094-104.
28. Owen LS, Morley CJ, Davis PG. Bench-top accuracy of SiPAP-generated nasal intermittent positive pressure ventilation. *Acta Paediatr*. 2013;102(8):e385-8.
29. Dargaville PA, Aiyappan A, De Paoli AG, Dalton RG, Kuschel CA, Kamlin CO, Orsini F, Carlin JB, Davis PG. Continuous positive airway pressure failure in preterm infants: incidence, predictors and consequences. *Neonatology*. 2013;104(1):8-14.
30. Dawson JA, Myers LR, Moorhead A, Jacobs SE, Ong K, Salo F, Murray S, Donath S, Davis PG. A randomised trial of two techniques for bottle feeding preterm infants. *J Paediatr Child Health*. 2013;49(6):462-6.
31. Jacobs SE, Berg M, Hunt R, Tarnow-Mordi WO, Inder TE, Davis PG. Cooling for newborns with hypoxic ischaemic encephalopathy. *Cochrane Database Syst Rev*. 2013 Jan 31;1:CD003311. doi: 10.1002/14651858.CD003311.pub3. Review.
32. Kaufman J, Schmölzer GM, Kamlin CO, Davis PG. Mask ventilation of preterm infants in the delivery room. *Arch Dis Child Fetal Neonatal Ed*. 2013;98(5):F405-10.
33. Collins CL, Holberton JR, Barfield C, Davis PG. A randomized controlled trial to compare heated humidified high-flow nasal cannulae with nasal continuous positive airway pressure postextubation in premature infants. *J Pediatr*. 2013;162(5):949-54.e1.
34. Kamlin CO, O'Connell LA, Morley CJ, Dawson JA, Donath SM, O'Donnell CP, Davis PG. A randomized trial of stylets for intubating newborn infants. *Pediatrics*. 2013;131(1):e198-205.

35. Fleming PF, Richards S, Waterman K, Davis PG, Kamlin CO, Stewart M, Sokol J. Medical retrieval and needs of infants with bronchiolitis: an analysis by gestational age. *J Paediatr Child Health*. 2013;49(3):E227-31.
36. Schmölder GM, O'Reilly M, Davis PG, Cheung PY, Roehr CC. Confirmation of correct tracheal tube placement in newborn infants. *Resuscitation*. 2013;84(6):731-7.
37. Schmölder GM, Agarwal M, Kamlin CO, Davis PG. Supraglottic airway devices during neonatal resuscitation: an historical perspective, systematic review and meta-analysis of available clinical trials. *Resuscitation*. 2013;84(6):722-30.
38. Burnett A, Davey CG, Wood SJ, Wilson-Ching M, Molloy C, Cheong JL, Doyle LW, Anderson PJ. Extremely preterm birth and adolescent mental health in a geographical cohort born in the 1990s. *Psychol Med*. 2013; 28:1-12.
39. Spittle AJ, Spencer-Smith MM, Cheong JL, Eeles AL, Lee KJ, Anderson PJ, Doyle LW. General movements in very preterm children and neurodevelopment at 2 and 4 years. *Pediatrics*. 2013;132(2):e452-8.
40. Eeles AL, Anderson PJ, Brown NC, Lee KJ, Boyd RN, Spittle AJ, Doyle LW. Sensory profiles obtained from parental reports correlate with independent assessments of development in very preterm children at 2 years of age. *Early Hum Dev*. 2013;89(12):1075-80
41. Omizzolo C, Thompson DK, Scratch SE, Stargatt R, Lee KJ, Cheong J, Roberts G, Doyle LW, Anderson PJ. Hippocampal Volume and Memory and Learning Outcomes at 7 Years in Children Born Very Preterm. *J Int Neuropsychol Soc*. 2013;19(10):1065-75.
42. Molloy CS, Wilson-Ching M, Anderson VA, Roberts G, Anderson PJ, Doyle LW; for the Victorian Infant Collaborative Study Group. Visual Processing in Adolescents Born Extremely Low Birth Weight and/or Extremely Preterm. *Pediatrics*. 2013 Sep;132(3):e704-12
43. Roberts G, Burnett AC, Lee KJ, Cheong J, Wood SJ, Anderson PJ, Doyle LW; Victorian Infant Collaborative Study Group. Quality of Life at Age 18 Years after Extremely Preterm Birth in the Post-Surfactant Era. *J Pediatr*. 2013;49(10):825-32
44. Chitty HE, Ziegler N, Savoia H, Doyle LW, Fox LM. Neonatal exchange transfusions in the 21st century: A single hospital study. *J Paediatr Child Health*. 2013;49(10):825-32.
45. Milgrom J, Newnham C, Martin PR, Anderson PJ, Doyle LW, Hunt RW, Achenbach TM, Ferretti C, Holt CJ, Inder TE, Gemmill AW. Early communication in preterm infants following intervention in the NICU. *Early Hum Dev*. 2013;89(9):755-62.
46. Eeles AL, Anderson PJ, Brown NC, Lee KJ, Boyd RN, Spittle AJ, Doyle LW. Sensory profiles of children born <30weeks' gestation at 2 years of age and their environmental and biological predictors. *Early Hum Dev*. 2013;89(9):727-32.
47. Hutchinson EA, De Luca CR, Doyle LW, Roberts G, Anderson PJ; Victorian Infant Collaborative Study Group. School-age outcomes of extremely preterm or extremely low birth weight children. *Pediatrics*. 2013;131(4):e1053-61.

48. Treyvaud K, Ure A, Doyle LW, Lee KJ, Rogers CE, Kidokoro H, Inder TE, Anderson PJ. Psychiatric outcomes at age seven for very preterm children: rates and predictors. *J Child Psychol Psychiatry*. 2013;54(7):772-9.
49. Thompson DK, Adamson C, Roberts G, Faggian N, Wood SJ, Warfield SK, Doyle LW, Anderson PJ, Egan GF, Inder TE. Hippocampal shape variations at term equivalent age in very preterm infants compared with term controls: perinatal predictors and functional significance at age 7. *Neuroimage*. 2013;70:278-87.
50. Spittle AJ, Spencer-Smith MM, Eeles AL, Lee KJ, Loreface LE, Anderson PJ, Doyle LW. Does the Bayley-III Motor Scale at 2 years predict motor outcome at 4 years in very preterm children? *Dev Med Child Neurol*. 2013;55(5):448-52.
51. Reidy N, Morgan A, Thompson DK, Inder TE, Doyle LW, Anderson PJ. Impaired language abilities and white matter abnormalities in children born very preterm and/or very low birth weight. *J Pediatr*. 2013;162(4):719-24.
52. Eeles AL, Spittle AJ, Anderson PJ, Brown N, Lee KJ, Boyd RN, Doyle LW. Assessments of sensory processing in infants: a systematic review. *Dev Med Child Neurol*. 2013;55(4):314-26.
53. Tobin JM, Garland SM, Jacobs SE, Pirotta M, Tabrizi SN. Rapid assay to assess colonization patterns following in-vivo probiotic ingestion. *BMC Res Notes*. 2013;6:252.
54. Ohlsson A, Jacobs SE. NIDCAP: a systematic review and meta-analyses of randomized controlled trials. *Pediatrics*. 2013;131(3):e881-93. Erratum in: *Pediatrics*. 2013;132(1):174.
55. Ohlsson A, Jacobs SE. Authors' Response: NIDCAP: A Systematic Review and Meta-analyses of Randomized Controlled Trials. *Pediatrics*. 2013;132(2):e553-7.
56. Dargaville PA, Copnell B, Mills JF, Haron I, Lee JK, Tingay DG, Rohana J, Mildenhall LF, Jeng MJ, Narayanan A, Battin MR, Kuschel CA, Sadowsky JL, Patel H, Kilburn CJ, Carlin JB, Morley CJ; lessMAS Trial Study Group. Fluid recovery during lung lavage in meconium aspiration syndrome. *Acta Paediatr*. 2013;102(2):e90-3.