

PEER REVIEWED JOURNAL ARTICLES:

Neonatal refereed research publications 2018:

1. Anderson PJ, Lee KJ, Roberts G, Spencer-Smith MM, Thompson DK, Seal ML, et al. Long-Term Academic Functioning Following Cogmed Working Memory Training for Children Born Extremely Preterm: A Randomized Controlled Trial. *The Journal of pediatrics*. 2018;202:92-97 e94.
2. Askie LM, Darlow BA, Finer N, Schmidt B, Stenson B, Tarnow-Mordi W, et al. Association Between Oxygen Saturation Targeting and Death or Disability in Extremely Preterm Infants in the Neonatal Oxygenation Prospective Meta-analysis Collaboration. *Jama*. 2018;319(21):2190-2201.
3. Blank DA, Badurdeen S, Omar FKC, Jacobs SE, Thio M, Dawson JA, et al. Baby-directed umbilical cord clamping: A feasibility study. *Resuscitation*. 2018;131:1-7.
4. Blank DA, Gaertner VD, Kamlin COF, Nyland K, Eckard NO, Dawson JA, et al. Respiratory changes in term infants immediately after birth. *Resuscitation*. 2018;130:105-110.
5. Blank DA, Kamlin COF, Rogerson SR, Fox LM, Lorenz L, Kane SC, et al. Lung ultrasound immediately after birth to describe normal neonatal transition: an observational study. *Archives of disease in childhood Fetal and neonatal edition*. 2018;103(2):F157-F162.
6. Boland RA, Davis PG, Dawson JA, Stewart MJ, Smith J, Doyle LW. Very preterm birth before arrival at hospital. *The Australian & New Zealand journal of obstetrics & gynaecology*. 2018;58(2):197-203.
7. Burnett AC, Anderson PJ, Lee KJ, Roberts G, Doyle LW, Cheong JLY, et al. Trends in Executive Functioning in Extremely Preterm Children Across 3 Birth Eras. *Pediatrics*. 2018;141(1).
8. Burnett AC, Cheong JLY, Doyle LW. Biological and Social Influences on the Neurodevelopmental Outcomes of Preterm Infants. *Clinics in perinatology*. 2018;45(3):485-500.
9. Cheong JLY, Doyle LW. An update on pulmonary and neurodevelopmental outcomes of bronchopulmonary dysplasia. *Seminars in perinatology*. 2018;42(7):478-484.
10. Cheong JLY, Lee KJ, Boland RA, Spittle AJ, Opie GF, Burnett AC, et al. Changes in long-term prognosis with increasing postnatal survival and the occurrence of postnatal morbidities in extremely preterm infants offered intensive care: a prospective observational study. *The Lancet Child & adolescent health*. 2018;2(12):872-879.
11. Cheong JLY, Miller SP. Imaging the neonatal brain in the 21st century: why, when and how? *Archives of disease in childhood Fetal and neonatal edition*. 2018;103(1):F4-F5.

12. Crawshaw JR, Kitchen MJ, Binder-Heschl C, Thio M, Wallace MJ, Kerr LT, et al. Laryngeal closure impedes non-invasive ventilation at birth. *Archives of disease in childhood Fetal and neonatal edition*. 2018;103(2):F112-F119.
13. Cuzzilla R, Spittle AJ, Lee KJ, Rogerson S, Cowan FM, Doyle LW, et al. Postnatal Brain Growth Assessed by Sequential Cranial Ultrasonography in Infants Born <30 Weeks' Gestational Age. *AJNR American journal of neuroradiology*. 2018;39(6):1170-1176.
14. Dawson JA, Schmolzer GM, Wyllie J. Monitoring heart rate in the delivery room. *Seminars in fetal & neonatal medicine*. 2018;23(5):327-332.
15. Doyle LW. Are Neurodevelopmental Outcomes of Infants Born Extremely Preterm Improving Over Time? *Pediatrics*. 2018;141(5).
16. Doyle LW, Anderson PJ. Stability of general cognition in children born extremely preterm as they grow older: good or bad news? *Archives of disease in childhood Fetal and neonatal edition*. 2018;103(4):F299-F300.
17. Doyle LW, Anderson PJ, Burnett A, Callanan C, McDonald M, Hayes M, et al. Developmental Disability at School Age and Difficulty Obtaining Follow-up Data. *Pediatrics*. 2018;141(2).
18. FitzGerald TL, Kwong AKL, Cheong JLY, McGinley JL, Doyle LW, Spittle AJ. Body Structure, Function, Activity, and Participation in 3- to 6-Year-Old Children Born Very Preterm: An ICF-Based Systematic Review and Meta-Analysis. *Physical therapy*. 2018;98(8):691-704.
19. Ford EJ, Cade TJ, Doyle LW, Umstad MP. Pregnancy risk factors associated with birthweight of infants born to Australian Aboriginal women in an urban setting - a retrospective cohort study. *BMC pregnancy and childbirth*. 2018;18(1):382.
20. Gaertner VD, Flemmer SA, Lorenz L, Davis PG, Kamlin COF. Physical stimulation of newborn infants in the delivery room. *Archives of disease in childhood Fetal and neonatal edition*. 2018;103(2):F132-F136.
21. Gilby DM, Mee JB, Kamlin COF, Kornman LH, Davis PG, Manley BJ. Outcomes following antenatal identification of hydrops fetalis: a single-centre experience from 2001 to 2012. *Archives of disease in childhood Fetal and neonatal edition*. 2018.
22. Granger C, Spittle AJ, Walsh J, Pyman J, Anderson PJ, Thompson DK, et al. Histologic chorioamnionitis in preterm infants: correlation with brain magnetic resonance imaging at term equivalent age. *BMC pediatrics*. 2018;18(1):63.
23. Green EA, Dawson JA, Davis PG, De Paoli AG, Roberts CT. Assessment of resistance of nasal continuous positive airway pressure interfaces. *Archives of disease in childhood Fetal and neonatal edition*. 2018.

24. Haebich KM, Willmott C, Ellis R, Burnett AC, Scratch SE, Pascoe L, et al. Goal Setting Deficits at 13 Years in Very Preterm Born Children. *Journal of the International Neuropsychological Society : JINS*. 2018;24(4):372-381.
25. Hodgson KA, Kamlin COF, Rogerson S, Thio M. ECG monitoring in the delivery room is not reliable for all patients. *Archives of disease in childhood Fetal and neonatal edition*. 2018;103(1):F88.
26. Huang L, Roberts CT, Manley BJ, Owen LS, Davis PG, Dalziel KM. Cost-Effectiveness Analysis of Nasal Continuous Positive Airway Pressure Versus Nasal High Flow Therapy as Primary Support for Infants Born Preterm. *The Journal of pediatrics*. 2018;196:58-64 e52.
27. Hunt RW, Hickey LM, Burnett AC, Anderson PJ, Cheong JLY, Doyle LW, et al. Early surgery and neurodevelopmental outcomes of children born extremely preterm. *Archives of disease in childhood Fetal and neonatal edition*. 2018;103(3):F227-F232.
28. Imbulana DI, Manley BJ, Dawson JA, Davis PG, Owen LS. Nasal injury in preterm infants receiving non-invasive respiratory support: a systematic review. *Archives of disease in childhood Fetal and neonatal edition*. 2018;103(1):F29-F35.
29. Imbulana DI, Owen LS, Dawson JA, Bailey JL, Davis PG, Manley BJ. A Randomized Controlled Trial of a Barrier Dressing to Reduce Nasal Injury in Preterm Infants Receiving Binasal Noninvasive Respiratory Support. *The Journal of pediatrics*. 2018;201:34-39 e33.
30. Inder TE, Doyle LW, Cheong JLY, Anderson PJ. Reply. *The Journal of pediatrics*. 2018;196:331.
31. Kashyap A, DeKoninck P, Crossley K, Thio M, Polglase G, Russo FM, et al. Antenatal Medical Therapies to Improve Lung Development in Congenital Diaphragmatic Hernia. *American journal of perinatology*. 2018;35(9):823-836.
32. Kelly CE, Ooi WL, Yang JY, Chen J, Adamson C, Lee KJ, et al. Caffeine for apnea of prematurity and brain development at 11 years of age. *Annals of clinical and translational neurology*. 2018;5(9):1112-1127.
33. Kelly CE, Thompson DK, Cheong JL, Chen J, Olsen JE, Eeles AL, et al. Brain structure and neurological and behavioural functioning in infants born preterm. *Developmental medicine and child neurology*. 2018.
34. Knight AK, Smith AK, Conneely KN, Dalach P, Loke YJ, Cheong JL, et al. Relationship between Epigenetic Maturity and Respiratory Morbidity in Preterm Infants. *The Journal of pediatrics*. 2018;198:168-173 e162.
35. Kowalski RR, Beare R, Mynard JP, Cheong JLY, Doyle LW, Smolich JJ, et al. Increased aortic wave reflection contributes to higher systolic blood pressure in adolescents born preterm. *Journal of hypertension*. 2018;36(7):1514-1523.

36. Kwong AK, Eeles AL, Olsen JE, Cheong JL, Doyle LW, Spittle AJ. The Baby Moves smartphone app for General Movements Assessment: Engagement amongst extremely preterm and term-born infants in a state-wide geographical study. *J Paediatr Child Health*. 2018.
37. Kwong AKL, Fitzgerald TL, Doyle LW, Cheong JLY, Spittle AJ. Predictive validity of spontaneous early infant movement for later cerebral palsy: a systematic review. *Developmental medicine and child neurology*. 2018;60(5):480-489.
38. Kwong AKL, Olsen JE, FitzGerald TL, Doyle LW, Cheong JLY, Spittle AJ. Spontaneous infant movements that predict later cerebral palsy: reply to Hadders-Algra and Philippi. *Developmental medicine and child neurology*. 2018;60(12):1289.
39. Lean WL, Dawson JA, Davis PG, Theda C, Thio M. Accuracy of 11 formulae to guide umbilical arterial catheter tip placement in newborn infants. *Archives of disease in childhood Fetal and neonatal edition*. 2018;103(4):F364-F369.
40. Lorenz L, Marulli A, Dawson JA, Owen LS, Manley BJ, Donath SM, et al. Cerebral oxygenation during skin-to-skin care in preterm infants not receiving respiratory support. *Archives of disease in childhood Fetal and neonatal edition*. 2018;103(2):F137-F142.
41. Lorenz L, Ruegger CM, O'Curraín E, Dawson JA, Thio M, Owen LS, et al. Suction Mask vs Conventional Mask Ventilation in Term and Near-Term Infants in the Delivery Room: A Randomized Controlled Trial. *The Journal of pediatrics*. 2018;198:181-186 e182.
42. Manley BJ, Roberts CT, Froisland DH, Doyle LW, Davis PG, Owen LS. Refining the Use of Nasal High-Flow Therapy as Primary Respiratory Support for Preterm Infants. *The Journal of pediatrics*. 2018;196:65-70 e61.
43. Marulli A, Kamlin C, Dawson JA, Donath SM, Davis PG, Lorenz L. The effect of skin-to-skin care on cerebral oxygenation during nasogastric feeding of preterm infants. *Acta paediatrica*. 2018;107(3):430-435.
44. Matthews LG, Inder TE, Pascoe L, Kapur K, Lee KJ, Monson BB, et al. Longitudinal Preterm Cerebellar Volume: Perinatal and Neurodevelopmental Outcome Associations. *Cerebellum*. 2018;17(5):610-627.
45. Maya-Enero S, Botet-Mussons F, Figueras-Aloy J, Izquierdo-Renau M, Thio M, Iriondo-Sanz M. Adherence to the neonatal resuscitation algorithm for preterm infants in a tertiary hospital in Spain. *BMC pediatrics*. 2018;18(1):319.
46. McGrory L, Owen LS, Thio M, Dawson JA, Rafferty AR, Malhotra A, et al. A Randomized Trial of Conditioned or Unconditioned Gases for Stabilizing Preterm Infants at Birth. *The Journal of pediatrics*. 2018;193:47-53.

47. Meyer MP, Owen LS, Te Pas AB. Use of Heated Humidified Gases for Early Stabilization of Preterm Infants: A Meta-Analysis. *Frontiers in pediatrics*. 2018;6:319.
48. Mills IS, Doyle LW, Cheong JL, Roberts G, Victorian Infant Collaborative Study G. Rates of early intervention services in children born extremely preterm/extremely low birthweight. *J Paediatr Child Health*. 2018;54(1):74-79.
49. Murner-Lavanchy IM, Doyle LW, Schmidt B, Roberts RS, Asztalos EV, Costantini L, et al. Neurobehavioral Outcomes 11 Years After Neonatal Caffeine Therapy for Apnea of Prematurity. *Pediatrics*. 2018;141(5).
50. Murner-Lavanchy IM, Kelly CE, Reidy N, Doyle LW, Lee KJ, Inder T, et al. White matter microstructure is associated with language in children born very preterm. *NeuroImage Clinical*. 2018;20:808-822.
51. Nguyen TN, Spencer-Smith M, Haebich KM, Burnett A, Scratch SE, Cheong JLY, et al. Language Trajectories of Children Born Very Preterm and Full Term from Early to Late Childhood. *The Journal of pediatrics*. 2018;202:86-91 e81.
52. Nguyen TN, Spencer-Smith M, Zannino D, Burnett A, Scratch SE, Pascoe L, et al. Developmental Trajectory of Language From 2 to 13 Years in Children Born Very Preterm. *Pediatrics*. 2018;141(5).
53. Olsen JE, Allinson LG, Doyle LW, Brown NC, Lee KJ, Eeles AL, et al. Preterm and term-equivalent age general movements and 1-year neurodevelopmental outcomes for infants born before 30 weeks' gestation. *Developmental medicine and child neurology*. 2018;60(1):47-53.
54. O'Shea JE, Loganathan P, Thio M, Kamlin COF, Davis PG. Analysis of unsuccessful intubations in neonates using videolaryngoscopy recordings. *Archives of disease in childhood Fetal and neonatal edition*. 2018;103(5):F408-F412.
55. Pascoe L, Thompson D, Spencer-Smith M, Beare R, Adamson C, Lee KJ, et al. Efficiency of structural connectivity networks relates to intrinsic motivation in children born extremely preterm. *Brain imaging and behavior*. 2018.
56. Plummer EL, Bulach DM, Murray GL, Jacobs SE, Tabrizi SN, Garland SM, et al. Gut microbiota of preterm infants supplemented with probiotics: sub-study of the ProPrems trial. *BMC microbiology*. 2018;18(1):184.
57. Rafferty AR, Johnson L, Davis PG, Dawson JA, Thio M, Owen LS. Neonatal mannequin comparison of the Upright self-inflating bag and snap-fit mask versus standard resuscitators and masks: leak, applied load and tidal volumes. *Archives of disease in childhood Fetal and neonatal edition*. 2018;103(6):F562-F566.

58. Roehr CC, O'Shea JE, Dawson JA, Wyllie JP. Devices used for stabilisation of newborn infants at birth. *Archives of disease in childhood Fetal and neonatal edition*. 2018;103(1):F66-F71.
59. Rojas-Camayo J, Mejia CR, Callacondo D, Dawson JA, Posso M, Galvan CA, et al. Reference values for oxygen saturation from sea level to the highest human habitation in the Andes in acclimatised persons. *Thorax*. 2018;73(8):776-778.
60. Ross V, Reidy K, Doyle LW, Palma-Dias R, Umstad MP. Outcome of Twin Pregnancies Complicated by a Neural Tube Defect. *Twin research and human genetics : the official journal of the International Society for Twin Studies*. 2018;21(3):263-268.
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62. Ruegger CM, Lorenz L, Kamlin COF, Manley BJ, Owen LS, Bassler D, et al. The Effect of Noninvasive High-Frequency Oscillatory Ventilation on Desaturations and Bradycardia in Very Preterm Infants: A Randomized Crossover Trial. *The Journal of pediatrics*. 2018;201:269-273 e262.
63. Sanchez K, Morgan AT, Slattery JM, Olsen JE, Lee KJ, Anderson PJ, et al. Erratum to "Neuropredictors of oromotor feeding impairment in 12month-old children" [Early Hum. Dev. (2017) 49-55]. *Early human development*. 2019;128:122.
64. Sanchez K, Spittle AJ, Cheong JL, Thompson DK, Doyle LW, Anderson PJ, et al. Language in 2-year-old children born preterm and term: a cohort study. *Archives of disease in childhood*. 2018.
65. Spittle AJ, Cameron K, Doyle LW, Cheong JL, Victorian Infant Collaborative Study G. Motor Impairment Trends in Extremely Preterm Children: 1991-2005. *Pediatrics*. 2018;141(4).
66. Spittle AJ, Morgan C, Olsen JE, Novak I, Cheong JLY. Early Diagnosis and Treatment of Cerebral Palsy in Children with a History of Preterm Birth. *Clinics in perinatology*. 2018;45(3):409-420.
67. Spittle AJ, Treyvaud K, Lee KJ, Anderson PJ, Doyle LW. The role of social risk in an early preventative care programme for infants born very preterm: a randomized controlled trial. *Developmental medicine and child neurology*. 2018;60(1):54-62.
68. Umphrey L, Blennow M, Breindahl M, Brown A, Roehr CC, Saugstad OD, et al. Navigating a Mid-Level Gap in Neonatal Resuscitation. *Neonatology*. 2018;114(4):362-363.
69. Umphrey L, Breindahl M, Brown A, Saugstad OD, Thio M, Trevisanuto D, et al. When Helping Babies Breathe Is Not Enough: Designing a Novel, Mid-Level Neonatal Resuscitation Algorithm for Medecins Sans Frontieres Field Teams Working in Low-Resource Hospital Settings. *Neonatology*. 2018;114(2):112-123.

70. Ward PL, Reidy KL, Palma-Dias R, Doyle LW, Umstad MP. Single Intrauterine Death in Twins: The Importance of Fetal Order. *Twin research and human genetics : the official journal of the International Society for Twin Studies*. 2018;21(6):556-562.
71. Yamada NK, Kamlin COF, Halamek LP. Optimal human and system performance during neonatal resuscitation. *Seminars in fetal & neonatal medicine*. 2018;23(5):306-311.