

PEER REVIEWED JOURNAL ARTICLES:

Neonatal refereed research publications 2019:

1. Tingay DG, Pereira-Fantini PM, Oakley R, McCall KE, Perkins EJ, Miedema M, Sourial M, Thomson J, Waldmann A, Dellaca RL, Davis PG. Gradual Aeration at Birth is More Lung Protective than a Sustained Inflation in Preterm Lambs. *Am J Respir Crit Care Med*. 2019 Sep 1;200(5):608-616.
2. Kashyap AJ, Crossley KJ, DeKoninck PL, Rodgers KA, Thio M, Skinner SM, Deprest JA, Hooper SB, Hodges RJ. Neonatal cardiopulmonary transition in an ovine model of congenital diaphragmatic hernia. *Arch Dis Child Fetal Neonatal Ed*. 2019 Nov;104(6):F617-F623.
3. DeKoninck PL, Crossley KJ, Kashyap AJ, Skinner SM, Thio M, Rodgers KA, Deprest JA, Hooper SB, Hodges RJ. Effects of tracheal occlusion on the neonatal cardiopulmonary transition in an ovine model of diaphragmatic hernia. *Arch Dis Child Fetal Neonatal Ed*. 2019 Nov;104(6):F609-F616.
4. Prentice TM, Janvier A, Gillam L, Donath S, Davis PG. Providing clarity around ethical discussion: Development of a neonatal intervention score (NIS). *Acta Paediatrica*. 2019 Aug;108(8):1453-1459.
5. Cartwright RD, Crowther CA, Anderson PJ, Harding JE, Doyle LW, McKinlay CJ. Association of Fetal Growth Restriction With Neurocognitive Function After Repeated Antenatal Betamethasone Treatment vs Placebo: Secondary Analysis of the ACTORDS Randomized Clinical Trial. *JAMA network open*. 2019 Feb 1;2(2):e187636.
6. Haebich KM, Willmott C, Scratch SE, Pascoe L, Lee KJ, Spencer-Smith MM, Cheong JL, Inder TE, Doyle LW, Thompson DK, Anderson PJ. Neonatal brain abnormalities and brain volumes associated with goal setting outcomes in very preterm 13-year-olds. *Brain Imaging Behav*. 2019 Jan 25. doi: 10.1007/s11682-019-00039-1. [Epub ahead of print].
7. O'Curraín E, Thio M, Dawson JA, Donath SM, Davis PG. Respiratory monitors to teach newborn facemask ventilation: a randomised trial. *Arch Dis Child Fetal Neonatal Ed*. 2019 Nov;104(6):F582-F586.
8. Doyle LW, Cheong JL. Does bovine lactoferrin prevent late-onset neonatal sepsis?. *The Lancet*. 2019 Feb 2;393(10170):382-4. Editorial.
9. Hodgson KA, Davis PG, Owen LS. Nasal high flow therapy for neonates: Current evidence and future directions. *J Paediatr Child Health*. 2019 Mar;55(3):285-290
10. Welsford M, Nishiyama C, Shortt C, Weiner G, Roehr CC, Isayama T, Dawson JA, Wyckoff MH, Rabi Y; International Liaison Committee on Resuscitation Neonatal Life Support Task Force. Initial Oxygen Use for Preterm Newborn Resuscitation: A Systematic Review With Meta-analysis. *Pediatrics*. 2019 Jan;143(1). pii: e20181825.
11. Welsford M, Nishiyama C, Shortt C, Isayama T, Dawson JA, Weiner G, Roehr CC, Wyckoff MH, Rabi Y; International Liaison Committee on Resuscitation Neonatal Life Support Task Force. Room Air for Initiating Term Newborn Resuscitation: A Systematic Review With Meta-analysis. *Pediatrics*. 2019 Jan;143(1).
12. Doyle LW, Cheong JLY, Ranganathan S. Correcting standardized expiratory flows for prematurity in ex-preterm survivors-Is it necessary? *Pediatr Pulmonol*. 2019 Feb;54(2):205-211.

13. Thompson DK, Kelly CE, Chen J, Beare R, Alexander B, Seal ML, Lee KJ, Matthews LG, Anderson PJ, Doyle LW, Cheong JLY, Spittle AJ. Characterisation of brain volume and microstructure at term-equivalent age in infants born across the gestational age spectrum. *Neuroimage Clin*. 2019;21:101630.
14. Manley BJ, Arnolda GR, Wright IM, Owen LS, Foster JP, Huang L, Roberts CT, Clark TL, Fan WQ, Fang AY, Marshall IR, Pszczola RJ, Davis PG, Buckmaster AG; HUNTER Trial Investigators. Nasal High-Flow Therapy for Newborn Infants in Special Care Nurseries. *N Engl J Med*. 2019 May 23;380(21):2031-2040.
15. McKinlay CJ, Manley BJ. Antenatal and postnatal corticosteroids: A swinging pendulum. *Semin Fetal Neonatal Med*. 2019 Jun;24(3):167-169.
16. Doyle LW, Andersson S, Bush A, Cheong JL, Clemm H, Evensen KA, Gough A, Halvorsen T, Hovi P, Kajantie E, Lee KJ. Expiratory airflow in late adolescence and early adulthood in individuals born very preterm or with very low birthweight compared with controls born at term or with normal birthweight: a meta-analysis of individual participant data. *Lancet Respir Med*. 2019 Aug;7(8):677-686.
17. den Boer MC, Houtlosser M, Foglia EE, Davis PG, van Kaam AH, Kamlin CO, Schmölzer GM, de Vries MC, Te Pas AB. Deferred consent for the enrolment of neonates in delivery room studies: strengthening the approach. *Arch Dis Child Fetal Neonatal Ed*. 2019 Jul;104(4):F348-F352.
18. Cheong JL, Wark JD, Cheung MM, Irving L, Burnett AC, Lee KJ, Garland SM, Smallwood D, Patton GC, Haikerwal A, Doyle LW. Impact of extreme prematurity or extreme low birth weight on young adult health and well-being: the Victorian Infant Collaborative Study (VICS) 1991–1992 Longitudinal Cohort study protocol. *BMJ open*. 2019 May 9;9(5):e030345
19. Gunaratne AW, Makrides M, Collins CT, Gibson RA, McPhee AJ, Sullivan TR, Gould JF, Green TJ, Doyle LW, Davis PG, French NP. Docosahexaenoic acid supplementation of preterm infants and parent-reported symptoms of allergic disease at 7 years corrected age: follow-up of a randomized controlled trial. *Am J Clin Nutr*. 2019 Jun 1;109(6):1600-1610.
20. Cheong JLY, Doyle LW. Long-term effects of postnatal corticosteroids to prevent or treat bronchopulmonary dysplasia: Balancing the risks and benefits. *Semin Fetal Neonatal Med*. 2019 Jun;24(3):197-201.
21. Badurdeen S, Marshall A, Daish H, Hatherill M, Berkley JA. Safety and Immunogenicity of Early Bacillus Calmette-Guérin Vaccination in Infants Who Are Preterm and/or Have Low Birth Weights: A Systematic Review and Meta-analysis. *JAMA pediatrics*. 2019 Jan 1;173(1):75-85
22. Badurdeen S, Roberts C, Blank D, Miller S, Stojanovska V, Davis P, Hooper S, Polglase G. Haemodynamic instability and brain injury in neonates exposed to hypoxia–ischaemia. *Brain sciences*. 2019 Mar;9(3):49
23. Kamlin CO, Schmölzer GM, Dawson JA, McGrory L, O’Shea J, Donath SM, Lorenz L, Hooper SB, Davis PG. A randomized trial of oropharyngeal airways to assist stabilization of preterm infants in the delivery room. *Resuscitation*. 2019 Nov;144:106-114
24. Tingay DG, Togo A, Pereira-Fantini PM, Miedema M, McCall KE, Perkins EJ, Thomson J, Dowse G, Sourial M, Dellacà RL, Davis PG. Aeration strategy at birth influences the physiological response to surfactant in preterm lambs. *Arch Dis Child Fetal Neonatal Ed*. 2019 Nov;104(6):F587-F593.
25. Thompson DK, Loh WY, Connelly A, Cheong JL, Spittle AJ, Chen J, Kelly CE, Inder TE, Doyle LW, Anderson PJ. Basal ganglia and thalamic tract connectivity in very preterm and full-term children; associations with 7-year neurodevelopment. *Pediatric research*. 2019 [e pub]Aug 27:1-0. (full-text 2020 Jan;87(1):48-56.)

26. Collins SE, Spencer-Smith M, Mürner-Lavanchy I, Kelly CE, Pyman P, Pascoe L, Cheong J, Doyle LW, Thompson DK, Anderson PJ. White matter microstructure correlates with mathematics but not word reading performance in 13-year-old children born very preterm and full-term. *NeuroImage: Clinical*. 2019 Jan 1;24:101944.
27. Marlow N, Doyle LW, Anderson P, Johnson S, Bhatt-Mehta V, Natalucci G, Darlow BA, Davis JM, Turner MA. International Neonatal Consortium (INC). Assessment of long-term neurodevelopmental outcome following trials of medicinal products in newborn infants. *Pediatr Res*. 2019 Nov;86(5):567-572.
28. Kashyap AJ, Dekoninck PLJ, Rodgers KA, Thio M, Mcgillick EV, Amberg BJ, Skinner SM, Moxham AM, Russo FM, Deprest JA, Hooper SB, Crossley KJ, Hodges RJ. Antenatal sildenafil treatment improves neonatal pulmonary hemodynamics and gas exchange in lambs with diaphragmatic hernia. *Ultrasound Obstet Gynecol*. 2019 Oct;54(4):506-516.
29. Hodgson KA, Manley BJ, Davis PG. Is Nasal High Flow Inferior to Continuous Positive Airway Pressure for Neonates?. *Clinics in Perinatology*. 2019 Jun 13. *Clin Perinatol*. 2019 Sep;46(3):537-551.
30. Beker F, Macey J, Liley H, Hughes I, Davis PG, Twitchell E, Jacobs S. The effect of smell and taste of milk during tube feeding of preterm infants (the Taste trial): a protocol for a randomised controlled trial. *BMJ Open*. 2019 Jul 17;9(7):e027805.
31. O'Curraín E, Davis PG, Thio M. Educational Perspectives: Toward More Effective Neonatal Resuscitation: Assessing and Improving Clinical Skills. *NeoReviews*. 2019 May 1;20(5):e248-57.
32. Moran MM, Gunn-Charlton JK, Walsh JM, Cheong JL, Anderson PJ, Doyle LW, Greaves S, Hunt RW. Associations of Neonatal Noncardiac Surgery with Brain Structure and Neurodevelopment: A Prospective Case-Control Study. *J Pediatr*. 2019 Sep;212:93-101.e2.
33. McGillick EV, Davies IM, Hooper SB, Kerr LT, Thio M, DeKoninck P, Yamaoka S, Hodges R, Rodgers K, Zahra VA, Moxham AM. Effect of lung hypoplasia on the cardiorespiratory transition in newborn lambs. *J Appl Physiol*. 2019 Aug 1;127(2):568-578.
34. Kwong AK, Olsen JE, Eeles AL, Einspieler C, Lee KJ, Doyle LW, Cheong JL, Spittle AJ. Occurrence of and temporal trends in fidgety general movements in infants born extremely preterm/extremely low birthweight and term-born controls. *Early Hum Dev*. 2019 Aug;135:11-15.
35. Fleming PF, Berrington JE, Jacobs SE. Addressing safety concerns of probiotic use in preterm babies. *Early Hum Dev*. 2019 Aug;135:72-74.
36. Stark Z, Nisselle A, McClaren B, Lynch F, Best S, Long JC, Martyn M, Patel C, Schlapbach LJ, Barnett C, Theda C, Pinner J, Dinger ME, Lunke S, Gaff CL. Attitudes of Australian health professionals towards rapid genomic testing in neonatal and paediatric intensive care. *Eur J Hum Genet*. 2019 Oct;27(10):1493-1501.
37. Manley BJ, McKinlay CJD. Antenatal and postnatal corticosteroids: Knowledge gaps and research priorities. *Semin Fetal Neonatal Med*. 2019 Jun;24(3):213-215.
38. Crowther CA, Ashwood P, Andersen CC, Middleton PF, Tran T, Doyle LW, Robinson JS, Harding JE; ASTEROID Study Group. Maternal intramuscular dexamethasone versus betamethasone before preterm birth (ASTEROID): a multicentre, double-blind, randomised controlled trial. *Lancet Child Adolesc Health*. 2019 Nov;3(11):769-780.
39. Power VA, Spittle AJ, Lee KJ, Anderson PJ, Thompson DK, Doyle LW, Cheong JL. Nutrition, Growth, Brain Volume, and Neurodevelopment in Very Preterm Children. *J Pediatr*. 2019 Dec;215:50-55.e3.

40. Doyle LW, Irving L, Haikerwal A, Lee K, Ranganathan S, Cheong J. Airway obstruction in young adults born extremely preterm or extremely low birth weight in the postsurfactant era. *Thorax*. 2019 Dec;74(12):1147-1153.
41. Owen LS, Manley BJ, Davis PG. Delivery room emergencies: Respiratory emergencies in the DR. *Semin Fetal Neonatal Med*. 2019 Dec;24(6):101039.
42. Nguyen TN, Spencer-Smith M, Pascoe L, Treyvaud K, Lee KJ, Thompson DK, Cheong JLY, Doyle LW, Anderson PJ. Language Skills in Children Born Preterm (<30 Wks' Gestation) Throughout Childhood: Associations With Biological and Socioenvironmental Factors. *J Dev Behav Pediatr*. 2019 Dec;40(9):735-742.
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45. Owen LS, Cheong JLY, Davis PG. Bronchopulmonary dysplasia as a trial endpoint: time for re-evaluation? *Lancet Child Adolesc Health*. 2019 Dec;3(12):842-844.
46. Dekker J, Hooper SB, Croughan MK, Crossley KJ, Wallace MJ, McGillick EV, DeKoninck PLJ, Thio M, Martherus T, Ruben G, Roehr CC, Cramer SJE, Flemmer AW, Croton L, Te Pas AB, Kitchen MJ. Increasing Respiratory Effort With 100% Oxygen During Resuscitation of Preterm Rabbits at Birth. *Front Pediatr*. 2019 Oct 22;7:427. doi: 10.3389/fped.2019.00427. eCollection 2019.
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51. Felmingham C, Chan L, Doyle LW, Veysey E. The Vulval Disease Quality of Life Index in women with vulval lichen sclerosus correlates with clinician and symptom scores. *Australas J Dermatol*. 2019 Nov 14. doi: 10.1111/ajd.13197. [Epub ahead of print] PMID: 31729009
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