

# Melbourne Children's Sleep Centre

## Recent Publications

### 2024

1. ANANTHARAJAH A, DAVEY MJ, NIXON GM. Sleepy Kids: are the current diagnostic criteria for multiple sleep latency tests enough? *Sleep Med.* 2024 114:272-278. doi: 10.1016/j.sleep.2024.01.014.
2. NISBET LC, NIXON GM, ANANTHARAJAH A, DAVEY MJ. Is there a role for repeating the multiple sleep latency test across childhood when initially non-diagnostic? *Sleep Med.* 2024 115:1-4. doi: 10.1016/j.sleep.2024.01.022.
3. YEE AK, SHETTY M, SIRIWARDHANA LS, WALTER LM, \*WONG FY, \*HORNE RSC. Preterm infants experience a nadir in cerebral oxygenation during sleep 3 months after hospital discharge. *Acta Paediatr.* 2024. 113(6):1298-1305. doi: 10.1111/apa.17166.
4. HORNE RSC, SHETTY M, DAVEY MJ, WALTER LM, NIXON GM. Follow-up of children with Down syndrome and sleep disordered breathing and the effects of treatment on actigraphically recorded sleep, quality of life, behaviour, and daytime functioning. *J Sleep Res.* 2024 33(1):e13970. doi: 10.1111/jsr.13970.
5. TAN B, TAMANYAN K, NIXON GM, DAVEY MJ, WALTER LM, DITCHFIELD, M, HORNE RSC. Cortical Grey Matter Changes, Behavior and Cognition in Children with Sleep Disordered Breathing. *J Sleep Res.* 2024 33(3):e14006. doi: 10.1111/jsr.14006.
6. ONG MBH, DAVEY MJ, NIXON GM, WALTER LM, HORNE RSC. Effect of Sleep Disordered Breathing Severity in Children with Down syndrome on Parental Wellbeing and Social Support. *Sleep Medicine* 116:71-80 2024.
7. HORNE RSC, YEE AK, SHETTY M, SIRIWARDHANA LS, WONG FY, WALTER LM. Longitudinal effects of early exposure to intermittent hypoxia on autonomic cardiovascular control in very preterm infants. *Sleep Med.* 119:458-466, 2024 doi: 10.1016/j.sleep.2024.05.040.
8. WALTER LM, KLEEMAN EA, SHETTY M, BASSAM A, ANDIANA AS, TAMANYAN K, DAVEY MJ, NIXON GM, HORNE RSC. The surge in heart rate and blood pressure at respiratory event termination is dampened in children with Down syndrome. *Sleep Med.* 119:451-457, 2024. doi: 10.1016/j.sleep.2024.05.038.
9. O'ROURKE C, HORNE RSC, NIXON GM, HARRIS KR, CONNELLY A, CRICHTON A. Sleep disturbance in children with fetal alcohol spectrum disorder (FASD) and the relationship to the neurodevelopmental profile. *Journal of Developmental and Behavioral Pediatrics* 2024 Jul 10. doi: 10.1097/DBP.0000000000001282.
10. SHETTY M, DAVEY MJ, NIXON GM, WALTER LM, HORNE RSC. Sleep spindles are reduced in children with Down syndrome and sleep-disordered breathing. *Pediatr Res.* 2024 96(2):457-470. doi: 10.1038/s41390-023-02854-1.
11. \*FRANCIS J, \*PLUNKETT G, SHETTY M, DAVEY MJ, NIXON GM, \*WALTER LM, \*HORNE RSC. Autonomic cardiovascular control is unaffected in children referred for assessment

- of excessive daytime sleepiness. *J Sleep Res.* 2024 Aug 15:e14318. doi: 10.1111/jsr.14318. Online ahead of print.
12. \*LEE WL, \*WONG OY, SHETTY M, PLUNKETT G, DAVEY MJ, NIXON GM, WALTER LM, HORNE RSC. Distinguishing between children referred for assessment of excessive daytime sleepiness using polysomnographic measures. *Sleep Medicine* 124:754-762, 2024. doi: 10.1016/j.sleep.2024.11.004.
  13. NIXON GM, MCNAMARA DG, ARMSTRONG DS Anti-IL-5 treatments are a useful adjunct for treatment of chronic severe asthma. *J Paediatr Child Health.* 2024 60(10):613-615. doi: 10.1111/jpc.16639.
  14. NISBET LC, DAVEY MJ, NIXON GM. Periodic limb movements during sleep in children with neuromuscular disease or cerebral palsy - An important potential contributor to sleep-related morbidity. *Sleep Med.* 2024 121:58-62. doi: 10.1016/j.sleep.2024.06.017.
  15. SEHGAL A, YEOMANS EJ, NIXON GM. Kangaroo mother care improves cardiorespiratory physiology in preterm infants: an observational study. *Arch Dis Child Fetal Neonatal Ed.* 2024 109(6):628-633. doi: 10.1136/archdischild-2023-326748.
  16. ROWE KS, PINCZOWER GD, NIXON GM, KUBBA H. The impact of intranasal corticosteroids in a prospective cohort of children with sleep disordered breathing. *Int J Pediatr Otorhinolaryngol.* 2024 178:111899. doi: 10.1016/j.ijporl.2024.111899.
  17. NISBET LC, ELLIS K, MIHAI R, CROFT E, DAVEY MJ, NIXON GM. Improvement in quality of life with continuous positive airway pressure outweighs the treatment burden in children with obstructive sleep apnea. *Pediatr Pulmonol.* 2024 59(5):1288-1297. doi: 10.1002/ppul.26903.

## 2025

1. PLUNKETT G, YIALLOUROU S, VOIGT A, SEGUMOHAMED A, SHEPHERD K, HORNE RSC, WONG FY. Short apneas and periodic breathing in preterm infants in the neonatal intensive care unit-Effects of sleep position, sleep state, and age. *J Sleep Research* 2025 Feb;34(1):e14253. doi: 10.1111/jsr.14253.
2. PLUNKETT G, SHETTY M, DAVEY MJ, NIXON GM, WALTER LM, HORNE RSC. Can EEG spectral analysis distinguish children with narcolepsy from those with idiopathic hypersomnolence and subjective sleepiness? *J Sleep Research* 2025 34(4):e14428. doi: 10.1111/jsr.14428.
3. WALTER LM, BHATNAGAR D, ONG MBH, DAVEY MJ, NIXON GM HORNE RSC, EDWARDS BA. Sleep-apnea specific hypoxic burden in children with Down syndrome and typically developing children. *J Sleep Research* 2025 Mar 18:e70032. doi: 10.1111/jsr.70032.
4. WALTER LM, SHETTY M, BASSAM A, DAVEY MJ, NIXON GM HORNE RSC. Improving obstructive sleep apnea mitigates dampened heart rate responses to respiratory events in children with Down syndrome. *J Sleep Research* 2025 Mar 27:e70053. doi: 10.1111/jsr.70053.
5. PATOGLU OR, WALTER LM, PLUNKETT G, DAVEY MJ, NIXON GM, EDWARDS BA, HORNE RSC Autonomic control of heart rate is depressed in young children with Prader-Willi syndrome. *J Sleep Research* February 2025 :e70094. doi: 10.1111/jsr.70094.
6. HORNE RSC, YEE AK, SIRIWARDHANA LS, WALTER LM, WONG FY. Long term developmental consequences of short apneas and periodic breathing in preterm infants. *Pediatr Pulmonol.* 2025 60(7):e71193. doi: 10.1002/ppul.71193.

7. MILES C, KATZ T, GRUNERT J, FORD K, HALL C, HAWTHORN C, SEE DW, MCMAHON M, VASS H, WATKINS S, ZANARDO G, BROOKES I, HANDLEY S, WOODWARD T, WADEMAN J, CAMERON B, KING S, NIXON GM, DAVIDSON Z. Pancreatic, nutritional and clinical outcomes in children 0-5 years with cystic fibrosis during the first 2 years of CFTR modulator therapy (PaNC): a multicentre prospective observational study protocol. BMJ Open. 2025 Jul 30;15(7):e097071. doi: 10.1136/bmjopen-2024-097071.