

Publications for Karen Waters

2018

Castro-Codesal, M., DeHaan, K., Featherstone, R., Bedi, P., Carrasco, C., Katz, S., Chan, E., Bendiak, G., Almeida, F., Waters, K., Sullivan, C., et al (2018). Long-term non-invasive ventilation therapies in children: A scoping review. *Sleep Medicine Reviews*, 37, 148-158. [More Information]

Ambrose, N., Waters, K., Rodriguez, M., Bailey, K., Machaalani, R. (2018). Neuronal apoptosis in the brainstem medulla of sudden unexpected death in infancy (SUDI), and the importance of standardized SUDI classification. *Forensic Science, Medicine, and Pathology*, 14(1), 42-56. [More Information]

2017

Okely, A., Ghersi, D., Hesketh, K., Santos, R., Loughran, S., Cliff, D., Shilton, T., Grant, D., Jones, R., Stanley, R., Waters, K., et al (2017). A collaborative approach to adopting/adapting guidelines - The Australian 24-Hour Movement Guidelines for the early years (Birth to 5 years): An integration of physical activity, sedentary behavior, and sleep. *BMC Public Health*, 17(869), 167-190. [More Information]

Waters, K., Lowe, A., Cooper, P., Vella, S., Selvadurai, H. (2017). A cross-sectional analysis of daytime versus nocturnal polysomnographic respiratory parameters in cystic fibrosis during early adolescence. *Journal of Cystic Fibrosis*, 16(2), 250-257. [More Information]

Pamula, Y., Nixon, G., Edwards, E., Teng, A., Verginis, N., Davey, M., Waters, K., Suresh, S., Twiss, J., Tai, A. (2017). Australasian Sleep Association clinical practice guidelines for performing sleep studies in children. *Sleep Medicine*, 36(Suppl 1), S23-S42. [More Information]

MacLean, J., Fitzsimons, D., Fitzgerald, D., Waters, K. (2017). Comparison of clinical symptoms and severity of sleep disordered breathing in children with and without cleft lip and/or palate. *Cleft Palate-Craniofacial Journal*, 54(5), 523-529. [More Information]

Huang, J., Waters, K., Machaalani, R. (2017). Hypoxia and nicotine effects on Pituitary adenylate cyclase activating polypeptide (PACAP) and its receptor 1 (PAC1) in the developing piglet brainstem. *NeuroToxicology*, 62, 30-38. [More Information]

Vivekanandarajah, A., Aishah, A., Waters, K., Machaalani, R. (2017). Intermittent hypercapnic hypoxia effects on the nicotinic acetylcholine receptors in the developing piglet hippocampus and brainstem. *NeuroToxicology*, 60, 23-33. [More Information]

Huang, J., Waters, K., Machaalani, R. (2017). Pituitary adenylate cyclase activating polypeptide (PACAP) and its

receptor 1 (PAC1) in the human infant brain and changes in the Sudden Infant Death Syndrome (SIDS). *Neurobiology of Disease*, 103, 70-77. [More Information]

Hunt, N., Waters, K., Machaalani, R. (2017). Promotion of the Unfolding Protein Response in Orexin/Dynorphin Neurons in Sudden Infant Death Syndrome (SIDS): Elevated pPERK and ATF4 Expression. *Molecular Neurobiology*, 54(9), 7171-7185. [More Information]

Waters, K., Chawla, J., Harris, M., Dakin, C., Heussler, H., Black, R., Cheng, A., Burns, H., Kennedy, J., Lushington, K. (2017). Rationale for and design of the "POSTA" study: Evaluation of neurocognitive outcomes after immediate adenotonsillectomy compared to watchful waiting in preschool children. *BMC Pediatrics*, 17(1), 1-7. [More Information]

Norman, M., Pithers, S., Teng, A., Waters, K., Sullivan, C. (2017). Validation of the sonomat against PSG and quantitative measurement of partial upper airway obstruction in children with sleep-disordered breathing. *Sleep*, 40(3), 1-13. [More Information]

2016

Machaalani, R., Hunt, N., Waters, K. (2016). Brain Orexin Receptors and Nicotine. In Victor R. Preedy (Eds.), *Neuropathology of Drug Addictions and Substance Misuse - Volume 1: Foundations of Understanding, Tobacco, Alcohol, Cannabinoids and Opioids*, (pp. 133-145). London: Academic Press. [More Information]

Hunt, N., Russell, B., Du, M., Waters, K., Machaalani, R. (2016). Changes in orexinergic immunoreactivity of the piglet hypothalamus and pons after exposure to chronic postnatal nicotine and intermittent hypercapnic hypoxia. *European Journal of Neuroscience*, 43(12), 1612-1622. [More Information]

Du, M., Hunt, N., Waters, K., Machaalani, R. (2016). Cumulative effects of repetitive intermittent hypercapnic hypoxia on orexin in the developing piglet hypothalamus. *International Journal of Developmental Neuroscience*, 48, 1-8. [More Information]

Chawla, J., Waters, K. (2016). Evaluation of infant obstructive sleep apnea. *Minerva Pneumologica: A Journal on Diseases of the Respiratory System*, 55(3), 64-70.

Machaalani, R., Evans, C., Waters, K. (2016). Objective adherence to positive airway pressure therapy in an Australian paediatric cohort. *Sleep and Breathing*, 20(4), 1327-1336. [More Information]

Hunt, N., Phillips, L., Waters, K., Machaalani, R. (2016). Proteomic MALDI-TOF/TOF-IMS examination of peptide expression in the formalin fixed brainstem and changes in

sudden infant death syndrome infants. *Journal of Proteomics*, 138, 48-60. [More Information]

Lee, J., Soma, M., Teng, A., Thambipillay, G., Waters, K., Cheng, A. (2016). The role of polysomnography in tracheostomy decannulation of the paediatric patient. *International Journal of Pediatric Otorhinolaryngology*, 83, 132-136. [More Information]

Gray, K., Isaacs, D., Kilham, H., Tobin, B., Waters, K. (2016). Use of guidelines when planning home care of a girl with severe congenital myopathy. *Journal of Paediatrics and Child Health*, 52(1), 7-10. [More Information]

2015

Pandit, C., Waters, K., Jones, K., Young, H., Fitzgerald, D. (2015). Can daytime measures of lung function predict respiratory failure in children with neuromuscular disease? *Paediatric Respiratory Reviews*, 16(4), 241-245. [More Information]

Hunt, N., Rodriguez, M., Waters, K., Machaalani, R. (2015). Changes in orexin (hypocretin) neuronal expression with normal aging in the human hypothalamus. *Neurobiology of Aging*, 36(1), 292-300. [More Information]

Hunt, N., Waters, K., Rodriguez, M., Machaalani, R. (2015). Decreased orexin (hypocretin) immunoreactivity in the hypothalamus and pontine nuclei in sudden infant death syndrome. *Acta Neuropathologica*, 130(2), 185-198. [More Information]

MacLean, J., Fitzgerald, D., Waters, K. (2015). Developmental changes in sleep and breathing across infancy and childhood. *Paediatric Respiratory Reviews*, 16(4), 276-284. [More Information]

Codesal, M., Featherstone, R., Carrasco, C., Katz, S., Chan, E., Bendiak, G., Almeida, F., Young, R., Olmstead, D., Waters, K., Sullivan, C., et al (2015). Long-term non-invasive ventilation therapies in children a scoping review protocol. *BMJ Open*, 5(8), 1-6. [More Information]

DeHaan, K., Seton, C., Fitzgerald, D., Waters, K., MacLean, J. (2015). Polysomnography for the Diagnosis of Sleep Disordered Breathing in Children Under 2 Years of Age. *Pediatric Pulmonology*, 50(12), 1346-1353. [More Information]

Vivekanandarajah, A., Waters, K., Machaalani, R. (2015). Postnatal nicotine effects on the expression of nicotinic acetylcholine receptors in the developing piglet hippocampus and brainstem. *International Journal of Developmental Neuroscience*, 47, 183-191. [More Information]

Chawla, J., Waters, K. (2015). Snoring in children. *Journal of Paediatrics and Child Health*, 51(9), 847-851. [More Information]

2014

Machaalani, R., Ghazavi, E., Hinton, T., Waters, K., Hennessy, A. (2014). Cigarette smoking during pregnancy regulates the expression of specific nicotinic acetylcholine receptor (nAChR) subunits in the human placenta. *Toxicology and Applied Pharmacology*, 276(3), 204-212. [More Information]

Evans, C., Selvadurai, H., Baur, L., Waters, K. (2014). Effects of obstructive sleep apnea and obesity on exercise function in children. *Sleep*, 37(6), 1103-1110. [More Information]

Herbert, A., de Lima, J., Fitzgerald, D., Seton, C., Waters, K., Collins, J. (2014). Exploratory study of sleeping patterns in children admitted to hospital. *Journal of Paediatrics and Child Health*, 50(8), 632-638. [More Information]

Smith, C., Walker, K., Badawi, N., Waters, K., MacLean, J. (2014). Impact of Sleep and Breathing in Infancy on Outcomes at Three Years of Age for Children with Cleft Lip and/or Palate. *Sleep*, 37(5), 919-925. [More Information]

Baguley, K., Cheng, A., Castro, C., Wainbergas, N., Waters, K. (2014). Is day stay adenotonsillectomy safe in children with mild to moderate obstructive sleep apnoea? A retrospective review of 100 patients. *International Journal of Pediatric Otorhinolaryngology*, 78(1), 71-74. [More Information]

Machaalani, R., Waters, K. (2014). Neurochemical abnormalities in the brainstem of the Sudden Infant Death Syndrome (SIDS). *Paediatric Respiratory Reviews*, 15(4), 293-300. [More Information]

2013

Daniel, M., Bailey, S., Walker, K., Hensley, R., Kol-Castro, C., Badawi, N., Cheng, A., Waters, K. (2013). Airway, feeding and growth in infants with Robin sequence and sleep apnoea. *International Journal of Pediatric Otorhinolaryngology*, 77(4), 499-503. [More Information]

MacLean, J., Tan, S., Fitzgerald, D., Waters, K. (2013). Assessing Ventilatory Control in Infants at High Risk of Sleep Disordered Breathing: A Study of Infants With Cleft Lip and/or Palate. *Pediatric Pulmonology*, 48(3), 265-273. [More Information]

Ngiam, J., Balasubramaniam, R., Darendeliler, M., Cheng, A., Waters, K., Sullivan, C. (2013). Clinical guidelines for oral appliance therapy in the treatment of snoring and obstructive sleep apnoea. *Australian Dental Journal*, 58(4), 408-419. [More Information]

Waters, K., Kol-Castro, C., Varghese, A., Lam, L., Prelog, K., Cheng, A. (2013). Correlations between polysomnographic and lateral airway radiograph measurements in paediatric obstructive sleep apnoea. *Journal of Paediatrics and Child Health*, 49(6), 445-451. [More Information]

Information]

Machaalani, R., Hunt, N., Waters, K. (2013). Effects of changes in energy homeostasis and exposure of noxious insults on the expression of orexin (hypocretin) and its receptors in the brain. *Brain Research*, 1526, 102-122. [More Information]

Caldwell, P., Waters, K. (2013). Nocturnal Enuresis. In Amy R. Wolfson, Hawley E. Montgomery-Downs (Eds.), *Oxford Handbook of Infant, Child, and Adolescent Sleep and Behavior*, (pp. 370-378). Oxford, United Kingdom: Oxford University Press. [More Information]

Hunt, N., Waters, K., Machaalani, R. (2013). Orexin receptors in the developing piglet hypothalamus, and effects of nicotine and intermittent hypercapnic hypoxia exposures. *Brain Research*, 1508, 73-82. [More Information]

Heussler, H., Chan, P., Price, A., Waters, K., Davey, M., Hiscock, H. (2013). Pharmacological and non-pharmacological management of sleep disturbance in children: An Australian Paediatric Research Network survey. *Sleep Medicine*, 14(2), 189-194. [More Information]

Afsharpaiman, S., Saburi, A., Waters, K. (2013). Respiratory difficulties and breathing disorders in achondroplasia. *Paediatric Respiratory Reviews*, 14(4), 250-255. [More Information]

Waters, K. (2013). Sleep and Sleep Disorders in Adolescents. In Kate Steinbeck, Michael Kohn (Eds.), *A Clinical Handbook in Adolescent Medicine: A Guide for Health Professionals Who Work with Adolescents and Young Adults*, (pp. 0-0). Singapore: World Scientific Publishing. [More Information]

Waters, K., Suresh, S., Nixon, G. (2013). Sleep Disorders in Children. *Medical Journal of Australia*, 199(8), S31-S35. [More Information]

Bejjani, C., Machaalani, R., Waters, K. (2013). The dorsal motor nucleus of the vagus (DMNV) in sudden infant death syndrome (SIDS): Pathways leading to apoptosis. *Respiratory Physiology and Neurobiology*, 185(2), 203-210. [More Information]

2012

Sillence, D., Waters, K., Donaldson, S., Shaw, P., Ellaway, C. (2012). Combined Enzyme Replacement Therapy and Hematopoietic Stem Cell Transplantation in Mucopolysaccharidosis Type VI. In Society for the Study of Inborn Errors of Metabolism (Eds.), *JIMD Reports - Case and Research Reports*, 2011/2, (pp. 103-106). Heidelberg: Springer. [More Information]

Tang, S., Machaalani, R., Waters, K. (2012). Expression of brain-derived neurotrophic factor and TrkB receptor in the sudden infant death syndrome brainstem. *Respiratory Physiology and Neurobiology*, 180(1), 25-33. [More Information]

MacLean, J., Fitzsimons, D., Fitzgerald, D., Waters, K. (2012). The spectrum of sleep-disordered breathing symptoms and respiratory events in infants with cleft lip and/or palate. *Archives of Disease in Childhood*, 97(12), 1058-1063. [More Information]

2011

Cheng, A., Corke, M., Loughran-Fowlds, A., Birman, C., Hayward, P., Waters, K. (2011). Distraction osteogenesis and glossopexy for Robin sequence with airway obstruction. *ANZ Journal of Surgery*, 81(5), 320-325. [More Information]

Machaalani, R., Say, M., Waters, K. (2011). Effects of cigarette smoke exposure on nicotinic acetylcholine receptor subunits $\hat{I}\pm$ and $\hat{I}2$ in the sudden infant death syndrome (SIDS) brainstem. *Toxicology and Applied Pharmacology*, 257(3), 396-404. [More Information]

Hensley, R., Machaalani, R., Cheng, A., Waters, K. (2011). How effective is adenoidectomy alone for treatment of obstructive sleep apnoea in a child who presents with adenoid hypertrophy? *Journal of Paediatrics and Child Health*, 47, 568-571. [More Information]

2010

Trivedi, A., Waters, K., Suresh, S., Nair, R. (2010). Congenital central hypoventilation syndrome: Four families. *Sleep and Breathing*, 15(4), 785-789. [More Information]

Machaalani, R., Katebi Kashi, P., Waters, K. (2010). Distribution of nicotinic acetylcholine receptor subunits alpha7 and beta2 in the human brainstem and hippocampal formation. *Journal of Chemical Neuroanatomy*, 40(3), 223-231. [More Information]

Machaalani, R., Gozal, E., Berger, F., Waters, K., Dematteis, M. (2010). Effects of post-mortem intervals on regional brain protein profiles in rats using SELDI-TOF-MS analysis. *Neurochemistry International*, 57(6), 655-661. [More Information]

Relf, B., Larkin, E., de Torres, C., Baur, L., Christodoulou, J., Waters, K. (2010). Genome-wide linkage of obstructive sleep apnoea and high-density lipoprotein cholesterol in a Filipino family: bivariate linkage analysis of obstructive sleep apnoea. *Journal of Sleep Research*, 19(2), 349-357. [More Information]

Tang, S., Machaalani, R., Waters, K. (2010). Immunolocalisation of pro- and mature-brain derived neurotrophic factor (BDNF) and receptor TrkB in the human brainstem and hippocampus. *Brain Research*, 1354 (doi:10.1016/j.brainres.2010.07.051), 1-14. [More Information]

Waters, K. (2010). Serotonin in the sudden infant death syndrome. *Drug News and Perspectives: the international drug newsmagazine*, 23(9), 537-548. [More Information]

Browne, C., Sharma, N., Waters, K., Machaalani, R. (2010).

The effects of nicotine on the alpha-7 and beta-2 nicotinic acetylcholine receptor subunits in the developing piglet brainstem. *International Journal of Developmental Neuroscience*, 28, 1-7. [More Information]

2009

Waters, K., Cheng, A. (2009). Adenotonsillectomy in the context of obstructive sleep apnoea. *Paediatric Respiratory Reviews*, 10(1), 25-31. [More Information]

Hayward, P., Fitzgerald, D., Waters, K. (2009). Cleft lip and/or palate and breathing during sleep. *Sleep Medicine Reviews*, 13(5), 345-54. [More Information]

Tang, S., Machaalani, R., Kashem, M., Matsumoto, I., Waters, K. (2009). Intermittent Hypercapnic Hypoxia Induced Protein Changes in the Piglet Hippocampus Identified by MALDI-TOF-MS. *Neurochemical Research*, 34(12), 2215-2225. [More Information]

MacLean, J., Waters, K., Fitzsimons, D., Hayward, P., Fitzgerald, D. (2009). Screening for obstructive sleep apnea in preschool children with cleft palate. *Cleft Palate - Craniofacial Journal: Official Publication of the American Cleft Palate-Craniofacial Association*, 46(2), 117-123. [More Information]

Machaalani, R., Say, M., Waters, K. (2009). Serotonergic receptor 1A in the sudden infant death syndrome brainstem medulla and associations with clinical risk factors. *Acta Neuropathologica*, 117(3), 257-265. [More Information]

2008

Robinson, P., Waters, K. (2008). Are children just small adults? The differences between paediatric and adult sleep medicine. *Internal Medicine Journal*, 38(9), 719-731. [More Information]

Tang, S., Machaalani, R., Waters, K. (2008). Brain-derived neurotrophic factor (BDNF) and TrkB in the piglet brainstem after post-natal nicotine and intermittent hypercapnic hypoxia. *Brain Research*, 1232, 195-205. [More Information]

Aouad, L., Tam, K., Waters, K. (2008). Effects of acute intermittent hypercapnic hypoxia on insulin sensitivity in piglets using euglycemic clamp. *Metabolism: Clinical and Experimental*, 57(8), 1056-1063. [More Information]

Waters, K. (2008). Interventions in the paediatric sleep laboratory: the use and titration of respiratory support therapies. *Paediatric Respiratory Reviews*, 9(3), 181-192. [More Information]

Machaalani, R., Waters, K. (2008). Neuronal cell death in the Sudden Infant Death Syndrome brainstem and associations with risk factors. *Brain*, 131(Pt 1), 218-228. [More Information]

MacLean, J., Fitzsimons, D., Hayward, P., Waters, K., Fitzgerald, D. (2008). The identification of children with cleft palate and sleep disordered breathing using a referral system. *Pediatric Pulmonology*, 43(3), 245-250. [More Information]

2007

Machaalani, R., Arlotto, M., Waters, K., Gozal, E., Berger, F., Dematteis, M. (2007). A Novel Method of Tissue Collection and Storage: Validation Using SELDI-TOF MS Analysis. *Clinical Chemistry*. [More Information]

Machaalani, R., Rodriguez, M., Waters, K. (2007). Active caspase-3 in the sudden infant death syndrome (SIDS) brainstem. *Acta Neuropathologica*, 113(5), 577-584. [More Information]

Say, M., Machaalani, R., Waters, K. (2007). Changes in serotonergic receptors 1A and 2A in the piglet brainstem after intermittent hypercapnic hypoxia (IHH) and nicotine. *Brain Research*, 1152, 17-26. [More Information]

Young, H., Lowe, A., Fitzgerald, D., Seton, C., Waters, K., Kenny, E., Hynan, L., Iannaccone, S., North, K., Ryan, M. (2007). Outcome of noninvasive ventilation in children with neuromuscular disease. *Neurology*, 68(3), 198-201. [More Information]

Waters, K., Mast, B., Vella, S., de la Eva, R., O'Brien, L., Bailey, S., Tam, C., Wong, M., Baur, L. (2007). Structural equation modeling of sleep apnea, inflammation, and metabolic dysfunction in children. *Journal of Sleep Research*, 16(4), 388-395. [More Information]

Tam, C., Wong, M., Tam, K., Aouad, L., Waters, K. (2007). The effect of acute intermittent hypercapnic hypoxia treatment on IL-6, TNF-alpha, and CRP levels in piglets. *Sleep*, 30(6), 723-727. [More Information]

Machaalani, R., Radford, J., Waters, K. (2007). Tissue fixation effects on immunohistochemical staining of caspase-3 in brain tissue. *Applied Immunohistochemistry and Molecular Morphology*, 15(4), 463-470. [More Information]

2006

Waters, K., Sithampanathan, S., O'Brien, L., Bibby, S., de Torres, C., Vella, S., de la Eva, R. (2006). Follow-up on Metabolic Markers in Children Treated for Obstructive Sleep Apnoea. *American Journal of Respiratory and Critical Care Medicine*, 174(4), 455-460. [More Information]

Tam, C., Wong, M., McBain, R., Bailey, S., Waters, K. (2006). Inflammatory measures in children with obstructive sleep apnoea. *Journal of Paediatrics and Child Health*, 42(5), 277-282. [More Information]

1754.2006.00854.x">[More Information]

Fanous, A., Machaalani, R., Waters, K. (2006). N-methyl-d-aspartate receptor 1 changes in the piglet brainstem after nicotine and/or intermittent hypercapnic-hypoxia. *Neuroscience*, 142(2), 401-409. [More Information]

O'Brien, L., Sithamparanathan, S., Baur, L., Waters, K. (2006). Obesity increases the risk for persisting obstructive sleep apnea after treatment in children. *International Journal of Pediatric Otorhinolaryngology*, 70(9), 1555-1560. [More Information]

Machaalani, R., Waters, K. (2006). Postnatal nicotine and/or intermittent hypercapnic hypoxia effects on apoptotic markers in the developing piglet brainstem medulla. *Neuroscience*, 142(1), 107-117. [More Information]

2005

Kennedy, J., Waters, K. (2005). 8. Investigation and treatment of upper-airway obstruction: childhood sleep disorders I. *Medical Journal of Australia*, 182(8), 419-23. [More Information]

Machaalani, R., Waters, K., Tinworth, K. (2005). Effects of postnatal nicotine exposure on apoptotic markers in the developing piglet brain. *Neuroscience*, 132(2), 325-333. [More Information]

Waters, K., Tinworth, K. (2005). Habituation of arousal responses after intermittent hypercapnic hypoxia in piglets. *American Journal of Respiratory and Critical Care Medicine*, 171(11), 1305-11. [More Information]

Kennedy, J., Waters, K. (2005). Investigation and treatment of upper-airway obstruction: childhood sleep disorders I. *Medical Journal of Australia*, 182(8), 419-423.

Waters, K., Machaalani, R. (2005). Role of NMDA receptors in development of respiratory control. *Respiratory Physiology and Neurobiology*, 149(1-3). [More Information]

2004

Peiris, T., Machaalani, R., Waters, K. (2004). Brain-Derived Neurotrophic Factor Mrna And Protein In The Piglet Brainstem And Effects Of Intermittent Hypercapnic Hypoxia. *Brain Research*, 1029 (1), 11-23. [More Information]

Waters, K. (2004). Cytokines In Sudden Infant Death Syndrome. *The Lancet Neurology*, 3(2), 81-81. [More Information]

Waters, K., Gozal, D. (2004). Developmental And Metabolic Implications Of The Hypoxic Ventilatory Response. *Paediatric Respiratory Reviews*, 5(3), 173-181. [More Information]

Waters, K., Machaalani, R. (2004). Nmda Receptors In The Developing Brain And Effects Of Noxious Insults. *NeuroSignals*, 13(4), 162-174. [More Information]

Yates, K., Festa, M., Gillis, J., Waters, K., North, K. (2004). Outcome Of Children With Neuromuscular Disease Admitted To Paediatric Intensive Care. *Archives of Disease in Childhood*, 89, 170-175. [More Information]

2003

Machaalani, R., Waters, K. (2003). Correlations between brainstem NMDA receptor changes and active neuronal cell death after intermittent hypercapnic hypoxia in the developing piglet. *Brain Research*, 975(1-2), 141-148. [More Information]

Waters, K., Tinworth, K. (2003). Effect of stimulus cycle time on acute respiratory responses to intermittent hypercapnic hypoxia in unsedated piglets. *Journal of Applied Physiology*, 94(6), 2465-2474.

Machaalani, R., Waters, K. (2003). Increased neuronal cell death after intermittent hypercapnic hypoxia in the developing piglet brainstem. *Brain Research*, 985(2), 127-134. [More Information]

Don, G., Waters, K. (2003). Influence of sleep state on frequency of swallowing, apnea, and arousal in human infants. *Journal of Applied Physiology*, 94(6), 2456-2464.

Machaalani, R., Waters, K. (2003). NMDA receptor 1 expression in the brainstem of human infants and its relevance to the sudden infant death syndrome (SIDS). *Journal of Neuropathology and Experimental Neurology*, 62(10), 1076-1085.

Waters, K., Gozal, D. (2003). Responses to hypoxia during early development. *Respiratory Physiology and Neurobiology*, 136(2-3), 115-129. [More Information]

2002

Machaalani, R., Waters, K. (2002). Distribution and quantification of NMDA R1 and mRNA and protein in the piglet brainstem and effects of intermittent hypercapnic hypoxia (IHH). *Brain Research*, 951(2), 293-300. [More Information]

Waters, K., McBrien, F., Stewart, P., Hinder, M., Wharton, S. (2002). Effects of OSA, inhalational anesthesia, and fentanyl on the airway and ventilation of children. *Journal of Applied Physiology*, 92(5), 1987-1994.

Baur, L., Waters, K., de, L., Donaghue, K. (2002). Metabolic correlates with obstructive sleep apnea in obese subjects. *The Journal of Pediatrics*, 140(6), 654-659. [More Information]

Reyes, L., Tinworth, K., Li, K., Yau, D., Waters, K. (2002). Observer-blinded comparison of two nonopioid analgesics for postoperative pain in piglets. *Pharmacology, Biochemistry and Behavior*, 73(3), 521-528. [More Information]

Relf, B., Machaalani, R., Waters, K. (2002). Retrieval of

mRNA from paraffin-embedded human infant brain tissue for non-radioactive in situ hybridization using oligonucleotides.

Journal of Neuroscience Methods, 115(2), 129-136. [More Information]

2001

Waters, K., Tinworth, K. (2001). Depression of ventilatory responses after daily, cyclic hypercapnic hypoxia in piglets. *Journal of Applied Physiology*, 90, 1065-1073.