

Publications for Hiran Selvadurai

2018

Huang, Z., Ding, C., Zhang, L., Lee, M., Song, Y., Selvadurai, H., Feng, D., Zhang, Y., Cai, W. (2018). Automated Analysis of Chest Radiographs for Cystic Fibrosis Scoring. *9th International Conference on Brain Inspired Cognitive Systems (BICS 2018)*, Cham: Springer. [More Information]

Robinson, P., Lum, S., Moore, C., Hardaker, K., Benseler, N., Aurora, P., Cooper, P., Fitzgerald, D., Jensen, R., McDonald, R., Selvadurai, H., et al (2018). Comparison of facemask and mouthpiece interfaces for multiple breath washout measurements. *Journal of Cystic Fibrosis*, 17(4), 511-517. [More Information]

Selvadurai, H. (2018). Dietary influences on asthma: The generational impact of a sweet tooth? *Annals of the American Thoracic Society*, 15(2), 167-168. [More Information]

Lu, M., Fitzgerald, D., Karpelowsky, J., Selvadurai, H., Pandit, C., Robinson, P., Marais, B. (2018). Surgery in nontuberculous mycobacteria pulmonary disease. *Breathe*, 14(4), 288-301. [More Information]

2017

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]

Chuang, S., Sealy, L., Selvadurai, H., Dutt, S., Ooi, C. (2017). An unusual case of haemolytic anaemia and failure to thrive in a Burmese refugee baby. *Journal of Paediatrics and Child Health*, 53(5), 500-502. [More Information]

Dudeney, J., Sharpe, L., Sicouri (Easter), G., Lorimer, S., Dear, B., Jaffe, A., Selvadurai, H., Hunt, C. (2017). Attentional Bias in Children with Asthma with and without Anxiety Disorders. *Journal of Abnormal Child Psychology*, 45(8), 1635-1646. [More Information]

Saddi, V., Beggs, S., Bennetts, B., Harrison, J., Hime, N., Kapur, N., Lipsett, J., Noguee, L., Phu, A., Suresh, S., Selvadurai, H., Zurynski, Y., et al (2017). Childhood interstitial lung diseases in immunocompetent children in Australia and New Zealand: A decade's experience. *Orphanet Journal of Rare Diseases*, 12(1), 1-9. [More Information]

Dunn, A., Pearce, K., Callister, R., Collison, A., Morten, M., Mandaliya, P., Platt, L., Dascombe, B., Kumar, R., Selvadurai, H., Robinson, P., et al (2017). Exercise capacity is not decreased in children who have undergone lung resection early in life for congenital thoracic malformations compared to

healthy age-matched children. *Pediatric Pulmonology*, 52(10), 1340-1348. [More Information]

Laohachai, K., Winlaw, D., Selvadurai, H., Gnanappa, G., diUdekem, Y., Celermajer, D., Ayer, J. (2017). Inspiratory muscle training is associated with improved inspiratory muscle strength, resting cardiac output, and the ventilatory efficiency of exercise in patients with a fontan circulation. *Journal of the American Heart Association*, 6(8), 1-11. [More Information]

Hardaker, K., Gustafsson, P., Cooper, P., Fitzgerald, D., Selvadurai, H., Robinson, P. (2017). Is twice the duration of washout sufficient time between multiple breath nitrogen washout tests? *European Respiratory Journal*, 49(2), 1-4. [More Information]

Sicouri (Easter), G., Sharpe, L., Hudson, J., Dudeney, J., Jaffe, A., Selvadurai, H., Hunt, C. (2017). Parent-child interactions in children with asthma and anxiety. *Behaviour Research and Therapy*, 97, 242-251. [More Information]

Ohn, M., Robinson, P., Selvadurai, H., Fitzgerald, D. (2017). Question 11: How should Allergic Bronchopulmonary Aspergillosis [ABPA] be managed in Cystic Fibrosis? *Paediatric Respiratory Reviews*, 24, 35-38. [More Information]

Sicouri (Easter), G., Sharpe, L., Hudson, J., Dudeney, J., Jaffe, A., Selvadurai, H., Lorimer, S., Hunt, C. (2017). Threat interpretation and parental influences for children with asthma and anxiety. *Behaviour Research and Therapy*, 89, 14-23. [More Information]

Chuang, S., Teng, A., Butler, J., Gandevia, S., Selvadurai, H., Jaffe, A. (2017). Validation of a quantitative method to measure neural respiratory drive in children during sleep. *Respiratory Physiology and Neurobiology*, 239, 75-80. [More Information]

2016

Mulvany, J., Weatherall, A., Charlton, A., Selvadurai, H. (2016). Congenital lobar emphysema: diagnostic and therapeutic challenges. *BMJ Case Reports*, 2016, 1-4. [More Information]

O'Leary, F., Pegiazoglou, I., Marshall, T., Thosar, D., Deck, M., Peat, J., Ging, J., Selvadurai, H. (2016). Improving the quality of care for children with wheeze: The use of electronic asthma action plans and electronic pre-school wheeze action plans. *Journal of Paediatrics and Child Health*, 52(9), 872-876. [More Information]

Ohn, M., Jaffe, A., Selvadurai, H. (2016). Persistent growth effects of inhaled corticosteroids. *Journal of Paediatrics and Child Health*, 52(10), 964-966. [More Information]

<http://dx.doi.org/10.1111/jpc.13356>>[More Information]

Prentice, B., McKay, K., Selvadurai, H., Robinson, P., Abel, F., Fitzgerald, D. (2016). Question 6: Is there a role for Mannose-Binding Lectin measurement in Cystic Fibrosis management? *Paediatric Respiratory Reviews*, 19, 46-48. [More Information]

2015

Middleton, A., Robinson, P., McKay, K., Jaffe, A., Selvadurai, H. (2015). A pilot study of inhaled dry-powder mannitol during cystic fibrosis-related pulmonary exacerbation. *European Respiratory Journal*, 45(2), 541-544. [More Information]

Hime, N., Zurynski, Y., Fitzgerald, D., Selvadurai, H., Phu, A., Deverell, M., Elliott, E., Jaffe, A. (2015). Childhood interstitial lung disease: A systematic review. *Pediatric Pulmonology*, 50(12), 1383-1392. [More Information]

Sonneveld, N., Stanojevic, S., Amin, R., Aurora, P., Davies, J., Elborn, J., Horsley, A., Latzin, P., O'Neill, K., Robinson, P., Selvadurai, H., et al (2015). Lung clearance index in cystic fibrosis subjects treated for pulmonary exacerbations. *European Respiratory Journal*, 46(4), 1055-1064. [More Information]

2014

Hime, N., Fitzgerald, D., Robinson, P., Selvadurai, H., Van Asperen, P., Jaffe, A., Zurynski, Y. (2014). Childhood interstitial lung disease due to surfactant protein C deficiency: frequent use and costs of hospital services for a single case in Australia. *Orphanet Journal of Rare Diseases*, 9(1), 1-8. [More Information]

Fitzgerald, N., Kennedy, B., Fitzgerald, D., Selvadurai, H. (2014). Diffusion Capacity of Carbon Monoxide (DLCO) Pre- and Post-Exercise in Children in Health and Disease. *Pediatric Pulmonology*, 49(8), 782-789. [More Information]

Pandit, C., Valentin, R., de Lima, J., Robinson, P., Fitzgerald, D., Van Asperen, P., Baines, D., Cooper, P., Selvadurai, H. (2014). Effect of general anesthesia on pulmonary function and clinical status on children with cystic fibrosis. *Paediatric Anaesthesia*, 24(2), 164-169. [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]

Pandit, C., Batterby, E., Van Asperen, P., Cooper, P., Selvadurai, H., Fitzgerald, D. (2014). Exercise-induced respiratory symptoms not due to asthma. *Journal of Paediatrics and Child Health*, 50(10), 829-832. [More Information]

Robinson, P., Brown, N., Turner, M., Van Asperen, P., Selvadurai, H., King, G. (2014). Increased day-to-day variability of forced oscillatory resistance in poorly controlled

or persistent pediatric asthma. *Chest*, 146(4), 974-981. [More Information]

Van Loo, A., Van Loo, E., Selvadurai, H., Cooper, P., Van Asperen, P., Fitzgerald, D. (2014). Intrapleural urokinase versus surgical management of childhood empyema. *Journal of Paediatrics and Child Health*, 50(10), 823-826. [More Information]

2013

Fitzgerald, N., Fitzgerald, D., Lands, L., Selvadurai, H. (2013). Diffusion capacity in children: what happens with exercise? *Paediatric Respiratory Reviews*, 14(3), 190-194. [More Information]

Marshall, T., Van Asperen, P., Selvadurai, H., Robinson, P. (2013). Don't write off paediatric asthma action plans just yet. *Primary Care Respiratory Journal*, 22(2), 144-145. [More Information]

Halliday, M., Selvadurai, H., Sherwood, M., Fitzgerald, D. (2013). Exercise in children with common congenital heart lesions: Balancing benefits with risks. *Journal of Paediatrics and Child Health*, 49(10), 795-799. [More Information]

Pandit, C., Graham, C., Selvadurai, H., Gaskin, K., Cooper, P., Van Asperen, P. (2013). Festival food coma in cystic fibrosis. *Pediatric Pulmonology*, 48(7), 725-727. [More Information]

Lee, M., Cai, W., Song, Y., Selvadurai, H., Feng, D. (2013). Fully Automated Scoring of Chest Radiographs in Cystic Fibrosis. *35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC 2013)*, Piscataway: Institute of Electrical and Electronics Engineers (IEEE). [More Information]

O'Keefe, K., Orr, R., Huang, P., Selvadurai, H., Cooper, P., Munns, C., Fiatarone Singh, M. (2013). The effect of whole body vibration exposure on muscle function in children with cystic fibrosis: a pilot efficacy trial. *Journal of Clinical Medicine Research*, 5(3), 205-216. [More Information]

Rana, M., Munns, C., Selvadurai, H., Briody, J., Craig, M. (2013). The impact of dysglycaemia on bone mineral accrual in young people with cystic fibrosis. *Clinical Endocrinology*, 78(1), 36-42. [More Information]

2012

Balzer, B., Graham, C., Craig, M., Selvadurai, H., Donaghue, K., Brand-Miller, J., Steinbeck, K. (2012). Low glycaemic index dietary interventions in youth with cystic fibrosis: a systematic review and discussion of the clinical implications. *Nutrients*, 4(4), 286-296. [More Information]

Strachan, R., Cornelius, A., Gilbert, G., Gulliver, T., Martin, A., McDonald, T., Nixon, G., Roseby, R., Ranganathan, S., Selvadurai, H., et al (2012). Pleural fluid nucleic acid testing enhances pneumococcal surveillance in children. *Respirology*,

17(1), 114-119. [More Information]

2011

Strachan, R., Cornelius, A., Gilbert, G., Gulliver, T., Martin, A., McDonald, T., Nixon, G., Roseby, R., Ranganathan, S., Selvadurai, H., et al (2011). A Bedside Assay to Detect *Streptococcus pneumoniae* in Children With Empyema. *Pediatric Pulmonology*, 46(2), 179-183. [More Information]

Strachan, R., Cornelius, A., Gilbert, G., Gulliver, T., Martin, A., McDonald, T., Nixon, G., Roseby, R., Ranganathan, S., Selvadurai, H., et al (2011). Bacterial Causes of Empyema in Children, Australia, 2007-2009. *Emerging Infectious Diseases*, 17(10), 1839-1845. [More Information]

MacLean, J., Solomon, M., Corey, M., Selvadurai, H. (2011). Cystic fibrosis newborn screening does not delay the identification of cystic fibrosis in children with negative results. *Journal of Cystic Fibrosis*, 10(5), 333-337. [More Information]

Selvadurai, H. (2011). Diabetes: Cystic fibrosis-related diabetes: where to from here? *Nature Reviews Endocrinology*, 7(4), 192-193. [More Information]

Rana, M., Munns, C., Selvadurai, H., Simonds, S., Cooper, P., Woodhead, H., Hameed, S., Verge, C., Lafferty, A., Crock, P., Craig, M. (2011). Increased detection of cystic-fibrosis-related diabetes in Australia. *Archives of Disease in Childhood*, 96(9), 823-826. [More Information]

Smith, L., Van Asperen, P., McKay, K., Selvadurai, H., Fitzgerald, D. (2011). Post-natal corticosteroids are associated with reduced expiratory flows in children born very preterm. *Journal of Paediatrics and Child Health*, 47(7), 448-454. [More Information]

2010

Rana, M., Munns, C., Selvadurai, H., Donaghue, K., Craig, M. (2010). Cystic fibrosis-related diabetes in children-gaps in the evidence? *Nature Reviews Endocrinology*, 6(7), 371-378. [More Information]

Smith, L., McKay, K., Van Asperen, P., Selvadurai, H., Fitzgerald, D. (2010). Normal Development of the Lung and Premature Birth. *Paediatric Respiratory Reviews*, 11(3), 135-142. [More Information]

2009

Robinson, P., Cooper, P., Van Asperen, P., Fitzgerald, D., Selvadurai, H. (2009). Using index of ventilation to assess response to treatment for acute pulmonary exacerbation in children with cystic fibrosis. *Pediatric Pulmonology*, 44(8), 733-742. [More Information]

2008

Smith, L., Van Asperen, P., McKay, K., Selvadurai, H., Fitzgerald, D. (2008). Reduced exercise capacity in children born very preterm. *Pediatrics*, 122(2), e287-e293. [More Information]

2007

Stephens, S., Singh-Grewal, D., Bar-Or, O., Beyene, J., Cameron, B., Leblanc, C., Schneider, R., Schneiderman-Walker, J., Selvadurai, H., Silverman, E., et al (2007). Reliability of Exercise Testing and Functional Activity Questionnaires in Children With Juvenile Arthritis. *Arthritis & Rheumatology*, 57(8), 1446-1452. [More Information]

Singh-Grewal, D., Schneiderman-Walker, J., Wright, V., Bar-Or, O., Beyene, J., Selvadurai, H., Cameron, B., Laxer, R., Schneider, R., Silverman, E., et al (2007). The Effects of Vigorous Exercise Training on Physical Function in Children With Arthritis: A Randomized, Controlled, Single-Blinded Trial. *Arthritis Care and Research*, 57(7), 1202-1210. [More Information]

2006

Selvadurai, H. (2006). Investigation and management of suppurative cough in pre-school children. *Paediatric Respiratory Reviews*, 7(1), 15-20. [More Information]

Broderick, C., Herbert, R., Latimer, J., Curtin, J., Selvadurai, H. (2006). The effect of an exercise intervention on aerobic fitness, strength and quality of life in children with haemophilia (ACTRN012605000224628). *BMC Blood Disorders*, 6(2, Article number 2), 1-5. [More Information]

2005

Schneiderman-Walker, J., Wilkes, D., Strug, L., Lands, L., Pollock, S., Selvadurai, H., Hay, J., Coates, A., Corey, M. (2005). Sex differences in habitual physical activity and lung function decline in children with cystic fibrosis. *The Journal of Pediatrics*, 147(3), 321-326. [More Information]

2004

Selvadurai, H., Blimkie, C., Cooper, P., Mellis, C., Van Asperen, P. (2004). Gender Differences In Habitual Activity In Children With Cystic Fibrosis. *Archives of Disease in Childhood*, 89(10), 928-933. [More Information]

2002

Selvadurai, H., McKay, K., Blimkie, C., Cooper, P., Mellis, C., Van Asperen, P. (2002). The relationship between genotype and exercise tolerance in children with cystic fibrosis. *American Journal of Respiratory and Critical Care Medicine*, 165, 762-765. [More Information]