

## Publications 2018

1. Improved diagnosis of asthma versus chronic obstructive pulmonary disease (copd) using urine metabolomic analysis D Adamko, A El-Aneed US Patent App. 15/579,524
2. Severity of allergic rhinitis assessed by using urine metabolomic profiling: Proof of concept DJ Adamko, MM Khamis, LM Steacy, S Regush, R Bryce, AK Ellis Journal of Allergy and Clinical Immunology 142 (2), 687-689. e6
3. A novel human mast cell activation test for peanut allergy AF Santos, N Couto-Francisco, N Bécares, M Kwok, HT Bahnson, G Lack Journal of Allergy and Clinical Immunology 142 (2), 689-691. e9
4. Comparison of accuracy and precision between multipoint calibration, single point calibration, and relative quantification for targeted metabolomic analysis MM Khamis, N Klemm, DJ Adamko, A El-Aneed Analytical and bioanalytical chemistry 410 (23), 5899-5913
5. Comparative analysis of creatinine and osmolality as urine normalization strategies in targeted metabolomics for the differential diagnosis of asthma and COPD MM Khamis, T Holt, H Awad, A El-Aneed, DJ Adamko Metabolomics 14 (9), 115
6. Asthma diagnosis among children along an urban-rural gradient O Oluwole, DC Rennie, A Senthilselvan, R Dyck, A Afanasieva, ... Journal of Asthma 55 (11), 1242-1252
7. The Interdisciplinary Patient Partner Program: Building Better Health Care Professionals through Mentorship with Patients and Families K Baerg, K Trinder, C Cole, H Thiessen MedEdPublish
8. Cost savings with transcutaneous screening versus total serum bilirubin measurement for newborn jaundice in hospital and community settings: a cost-minimization analysis S McClean, K Baerg, J Smith-Fehr, M Szafron CMAJ Open 6 (3), E285-E291
9. Head lice infestations: A clinical update C Cummings, JC Finlay, NE MacDonald Paediatrics & child health 23 (1), e18-e24
10. Co-building a new landscape in pediatric chronic pain research: patient partner and researcher perspectives on meaningful patient engagement KA Birnie, K Dib, C Ouellette Pediatric Pain Letter 20, 21-7
11. Health anxiety and associated constructs in children and adolescents with congenital heart disease: A CHAMPS cohort study AM Oliver, KD Wright, A Kakadekar, S Pharis, C Pockett, TJ Bradley, ... Journal of health psychology
12. Influence of aortic stiffness on aortic-root growth rate and outcome in patients with the Marfan syndrome ESS Tierney, JC Levine, LA Sleeper, MJ Roman, TJ Bradley, SD Colan, ... The American journal of cardiology 121 (9), 1094-1101
13. Physical activity modulates arterial stiffness in children with congenital heart disease: A CHAMPS cohort study NG Boyes, MK Stickland, S Fusnik, E Hogeweide, J TJ Fries, ... Congenital heart disease 13 (4), 578-583
14. Clinical history and management recommendations of the smooth muscle dysfunction syndrome due to ACTA2 arginine 179 alterations ES Regalado, L Mellor-Crummey, J De Backer, AC Braverman, L Ades, ... Genetics in Medicine 20 (10), 1206-1215
15. Diffuse myocardial fibrosis in children and adolescents with marfan syndrome and loeys-dietz syndrome GR Karur, JJ Pagano, T Bradley, CZ Lam, M Seed, SJ Yoo, ... Journal of the American College of Cardiology 72 (18), 2279-2281
16. Treatment of severe bronchiolitis: A survey of Canadian pediatric intensivists. Bradshaw ML, Déragon A, Puligandla P, Emeriaud G, Canakis AM, Fontela PS. Pediatr Pulmonol. 2018 May;53(5):613-618. doi: 10.1002/ppul.23974. Epub 2018 Feb 27.
17. Remote Presence Robotic Technology Reduces Need for Pediatric Interfacility Transportation from an Isolated Northern Community. Holt T, Sari N, Hansen G, Bradshaw M, Prodanuk M, McKinney V, Johnson R, Mendez I. Telemed J E Health. 2018 Nov;24(11):927-933. doi: 10.1089/tmj.2017.0211. Epub 2018 Feb 2.

## Publications 2018

18. Tactile Stimulation During Newborn Resuscitation: The Good, the Bad, and the Ugly. Kalaniti K, Chacko A, Daspal S. *Oman Med J*. 2018 Jan;33(1):84-85.
19. Severe Neurodevelopmental Impairment in Neonates Born Preterm: Impact of Varying Definitions in a Canadian Cohort. Haslam MD, Lisonkova S, Creighton D, Church P, Yang J, Shah PS, Joseph KS, Synnes A; Canadian Neonatal Network and the Canadian Neonatal Follow-Up Network. *J Pediatr*. 2018 Jun;197:75-81.e4.
20. Neurodevelopmental Outcomes of Infants Born at <29 Weeks of Gestation Admitted to Canadian Neonatal Intensive Care Units Based on Location of Birth. Amer R, Moddemann D, Seshia M, Alvaro R, Synnes A, Lee KS, Lee SK, Shah PS; Canadian Neonatal Network and Canadian Neonatal Follow-up Network Investigators. *J Pediatr*. 2018 May;196:31-37.e1.
21. The Canadian paediatric triage and acuity scale algorithm for interfacility transport T Holt, M Prodanuk, G Hansen *American journal of disaster medicine* 13 (1), 57-63
22. Patient perspectives on transitioning to amyotrophic lateral sclerosis multidisciplinary clinics KL Schellenberg, G Hansen *Journal of Multidisciplinary Healthcare* 11, 519
23. Hospital utilization for patients with amyotrophic lateral sclerosis in Saskatoon, Canada A Gunton, G Hansen, KL Schellenberg *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration* 19 (3-4), 201-205
24. Pre-Trauma Center Management of Intracranial Pressure in Severe Pediatric Traumatic Brain Injury G Hansen, PJ McDonald, D Martin, JK Vallance *Pediatric emergency care* 34 (5), 330-333
25. Mechanical ventilation guided by electrical impedance tomography in pediatric acute respiratory distress syndrome J Dmytrowich, T Holt, K Schmid, G Hansen *Journal of clinical monitoring and computing* 32 (3), 503-507
26. Intensive Supportive Care Alone Does Not Impact Survival in a Lethal Non-Human Primate Model of Ebola Virus Disease G Poliquin, D Funk, S Jones, K Tran, C Ranadheera, M Hagan, K Tierney, ...
27. Survey of Nutrition Practice in Patients with Severe Sepsis among Canadian Registered Dietitians
28. T Baydock, S Bector, LM Taylor, G Hansen *Canadian Journal of Dietetic Practice and Research* 80 (1), 8-13
29. The protocol for the Cannabidiol in children with refractory epileptic encephalopathy (CARE-E) study: a phase 1 dosage escalation study D Reithmeier, R Tang-Wai, B Seifert, AW Lyon, J Alcorn, B Acton, ... *BMC pediatrics* 18 (1), 221
30. Experience of psychogenic nonepileptic seizures in the Canadian league against epilepsy: A survey describing current practices by neurologists and epileptologists A Carter, A Denton, LD Ladino, I Hassan, T Sawchuk, T Snyder, ... *Seizure* 61, 227-233
31. Cannabis for the treatment of paediatric epilepsy? An update for Canadian paediatricians RJ Huntsman, R Tang-Wai, B Acton, J Alcorn, AW Lyon, DD Mousseau, ... *Paediatrics & Child Health* 23 (6), 368
32. Insulin-mediated pseudoacromegaly: a report of two pediatric patients M Inman, MA Nour *Journal of Pediatric Endocrinology and Metabolism* 31 (2), 235-238
33. IMPLEMENTATION AND EVALUATION OF A DKA ORDER SET IN A PEDIATRIC TERTIARY CARE HOSPITAL: A QUALITY IMPROVEMENT INITIATIVE K Flood, M Nour, V Cattell, T Holt, B Seifert, J Rozdilsky, M Inman *Paediatrics & Child Health* 23 (suppl\_1), e11-e11
34. Perioperative Care of CAH-Incongruencies of Practices Among Canadian Specialists M Nour, H Gill, P Mondal, M Inman, K Urmson 57th Annual ESPE 89
35. Infantile Arterial Calcification and Subsequent Hypophosphatemia due to ENPP1 Mutation-A Case Followed through to Adulthood M Nour, M Inman, T Arnason 57th Annual ESPE 89

## Publications 2018

36. A Retrospective Review of the Early Clinical Course of Childhood-Onset Diabetes Mellitus Type 2 N Pendleton, T Bradley, P Mondal, M Inman, R Dyck, M Nour *Canadian Journal of Diabetes* 42 (5), S14
37. Perioperative care of congenital adrenal hyperplasia—a disparity of physician practices in Canada MA Nour, H Gill, P Mondal, M Inman, K Urmson *International journal of pediatric endocrinology* 2018 (1), 8
38. Burden of children hospitalized with pertussis in Canada in the acellular pertussis vaccine era, 1999–2015 B Abu-Raya, JA Bettinger, OG Vanderkooi, W Vaudry, SA Halperin, ...*Journal of the Pediatric Infectious Diseases Society*
39. VARICELLA-RELATED HOSPITALIZATIONS IN IMPACT CENTERS AFTER INTRODUCTION OF 1-AND 2-DOSE VARICELLA VACCINATION PROGRAMS BETWEEN 2000 AND 2015 B Tan, J Bettinger, A McConnell, R Thibault, T Jadavji, A Li, W Vaudry, ...*Paediatrics & Child Health* 23 (suppl\_1), e44-e44
40. Vitamin D and juvenile idiopathic arthritis SL Finch, AM Rosenberg, H Vatanparast *Pediatric Rheumatology* 16 (1), 34
41. IL1RN Variation Influences Both Disease Susceptibility and Response to Recombinant Human Interleukin-1 Receptor Antagonist Therapy in Systemic Juvenile ... VL Arthur, E Shuldiner, EF Remmers, A Hinks, AA Grom, D Foell, A Martini, ...*Arthritis & Rheumatology* 70 (8), 1319-1330
42. IL1RN variation influences both disease susceptibility and response to human recombinant IL-1RA therapy in systemic juvenile idiopathic arthritis VL Arthur, E Shuldiner, EF Remmers, A Hinks, AA Grom, D Foell, A Martini, ... *Arthritis & rheumatology (Hoboken, NJ)* 70 (8), 1319
43. Brief Report: The Genetic Profile of Rheumatoid Factor–Positive Polyarticular Juvenile Idiopathic Arthritis Resembles That of Adult Rheumatoid Arthritis A Hinks, MC Marion, J Cobb, ME Comeau, M Sudman, HC Ainsworth, ...*Arthritis & Rheumatology* 70 (6), 957-962
44. The genetic profile of RF-positive polyarticular juvenile idiopathic arthritis (JIA) resembles adult rheumatoid arthritis (RA) A Hinks, MC Marion, J Cobb, ME Comeau, M Sudman, HC Ainsworth, ...*Arthritis & Rheumatology* 70 (6), 957-962
45. Characteristics and course of enthesitis in a juvenile idiopathic arthritis inception cohort DG Rumsey, J Guzman, AM Rosenberg, AM Huber, R Scuccimarri, ... *Arthritis care & research* 70 (2), 303-308
46. Precision oncology beyond targeted therapy: Combining omics data with machine learning matches the majority of cancer cells to effective therapeutics MQ Ding, L Chen, GF Cooper, JD Young, X Lu
47. *Molecular Cancer Research* 16 (2), 269-278
48. Health-related quality of life in an inception cohort of children with juvenile idiopathic arthritis: a longitudinal analysis K Oen, J Guzman, B Dufault, LB Tucker, NJ Shiff, KW Duffy, JY Lee, ...*Arthritis care & research* 70 (1), 134-144
49. Reanalysing genomic data by normalized coverage values uncovers CNVs in bone marrow failure gene panels. Lauhasurayotin S, Cuvelier GD, Klaassen RJ, Fernandez CV, Pastore YD, Abish S, Rayar M, Steele M, Jardine L, Breakey VR, Brossard J, Sinha R, Silva M, Goodyear L, Lipton JH, Michon B, Corriveau-Bourque C, Sung L, Shabanova I, Li H, Zlateska B, Dhanraj S, Cada M, Scherer SW, Dror Y. *NPJ Genom Med.* 2019 Dec 9;4:3
50. Enrollment on clinical trials does not improve survival for children with acute myeloid leukemia: A population-based study. Truong TH, Pole JD, Barber R, Dix D, Kulkarni KP, Martineau E, Randall A, Stammers D, Strahlendorf C, Strother D, Sung L. *Cancer.* 2018 Oct 15;
51. Thromboembolism Incidence and Risk Factors in Children with Cancer: A Population-Based Cohort Study.

## Publications 2018

52. Pelland-Marcotte MC, Pole JD, Kulkarni K, Athale U, Stammers D, Sabapathy C, Halparin J, Brandão LR, Sung L. Thromb Haemost. 2018 Sep;118(9):1646-1655
53. Enrolling children with acute lymphoblastic leukaemia on a clinical trial improves event-free survival: a population-based study. Strahlendorf C, Pole JD, Barber R, Dix D, Kulkarni K, Martineau E, Randall A, Stammers D, Strother D, Truong TH, Sung L. Br J Cancer. 2018 Mar 6;118(5):744-749.
54. Missed opportunities for prevention of vertical HIV transmission in Canada, 1997-2016: a surveillance study. Bitnun A, Lee T, Brophy J, Samson LM, Kakkar F, Vaudry W, Tan B, Money DM, Singer J, Sauvé LJ, Alimenti A; Canadian Perinatal HIV Surveillance Program. CMAJ Open. 2018 May 10;6(2):E202-E210
55. P. 113 Down Syndrome: robust neurophysiological perspectives J Norton, R Auer, S Almubarak Canadian Journal of Neurological Sciences 45 (s2), S46-S46
56. Effectiveness of Family Integrated Care in neonatal intensive care units on infant and parent outcomes: a multicentre, multinational, cluster-randomised controlled trial. O'Brien K, Robson K, Bracht M, Cruz M, Lui K, Alvaro R, da Silva O, Monterrosa L, Narvey M, Ng E, Soraisham A, Ye XY, Mirea L, Tarnow-Mordi W, Lee SK; FICare Study Group and FICare Parent Advisory Board. Lancet Child Adolesc Health. 2018 Apr;2(4):245-254.
57. Does specialist physician supply affect pediatric asthma health outcomes? Filler G, Kovesi T, Bourdon E, Jones SA, Givelichian L, Rockman-Greenberg C, Gilliland J, Williams M, Orrbine E, Piedboeuf B; Paediatric Chairs of Canada Mark Bernstein. BMC Health Serv Res. 2018 Apr 5;18(1):247
58. A metasynthesis: uncovering what is known about the experiences of families with children who have life-limiting and life-threatening illnesses JMG Bally, NR Smith, L Holtslander, V Duncan, H Hodgson-Viden, ...Journal of pediatric nursing 38, 88-98
59. Survival following tumor recurrence in children with medulloblastoma DL Johnston, D Keene, D Strother, M Taneva, L Lafay-Cousin, C Fryer, ...Journal of pediatric hematology/oncology 40 (3), e159-e163
60. Supporting parental caregivers of children living with life-threatening or life-limiting illnesses: A Delphi study NR Smith, JMG Bally, L Holtslander, S Peacock, S Spurr, ...Journal for Specialists in Pediatric Nursing 23 (4), e12226
61. Heterotaxy Syndrome and Intestinal Rotation Abnormalities. Ryerson LM, Pharis S, Pockett C, Soni R, Fruitman D, Guleserian KJ, Nater M, Raynor SC, Mackie AS, Dicken B. Pediatrics. 2018 Aug;142(2)
62. Gating the holes in the Swiss cheese (part I): Expanding professor Reason's model for patient safety. Seshia SS, Bryan Young G, Makhinson M, Smith PA, Stobart K, Croskerry P. J Eval Clin Pract. 2018 Feb;24(1):187-197. doi: 10.1111/jep.12847. Epub 2017 Nov 23.