

Publications 2019

1. Quantitative determination of potential urine biomarkers of respiratory illnesses using new targeted metabolomic approach MM Khamis, DJ Adamko, RW Purves, A El-Aneid *Analytica chimica acta* 1047, 81-92
2. Development of a new quantification method for organic acids in urine as potential biomarkers for respiratory illness H Awad, KJH Allen, DJ Adamko, A El-Aneid *Journal of Chromatography B* 1122, 29-38
3. STRATEGIES AND CHALLENGES IN METHOD DEVELOPMENT AND VALIDATION FOR THE ABSOLUTE QUANTIFICATION OF ENDOGENOUS BIOMARKER METABOLITES USING LIQUID CHROMATOGRAPHY-TANDEM MASS ... MM Khamis, DJ Adamko, A El-Aneid *Mass Spectrometry Reviews*
4. Partnering For Pain: a Priority Setting Partnership to identify patient-oriented research priorities for pediatric chronic pain in Canada *cmajo* 7 (4), E654-E664
5. Managing pain and distress in children undergoing brief diagnostic and therapeutic procedures SA Evelyne D. Trottier, Marie-Joëlle Doré-Bergeron, Laurel Chauvin-Kimoff ... *Paediatrics & Child Health*
6. 30 Assessment of a Quality Improvement Pain Management Initiative at a Pediatric Test Centre M Parker, C McMahon, K Baerg *Paediatrics & Child Health* 24 (Supplement_2), e12-e13
7. P2. 11ASSESSING VENTRICULAR-VASCULAR INTERACTIONS IN GIRLS WITH TURNER SYNDROME: A PILOT STUDY TJ Bradley, CS O’Gorman, C Slorach, MK Friedberg, L Mertens, GD Wells, ... *Artery Research* 3 (4), 179-179
8. 6.3 DETERMINING EARLY CARDIOVASCULAR RISK PROFILES IN PAEDIATRIC RHEUMATIC DISEASE TJ Bradley, PN Tyrell, L Ng, C Slorach, J Beyene, R Schneider, ... *Artery Research* 3 (4), 157-158
9. Health-related quality of life in children and young adults with Marfan syndrome JC Handisides, D Hollenbeck-Pringle, K Uzark, FL Trachtenberg, ... *The Journal of pediatrics* 204, 250-255. e1
10. Effects of Home-Based Exercise Training on Post-Exercise Peripheral Muscle Oxygenation in Children with Congenital Heart Disease DS Lahti, CR Blushke, C Pockett, TJ Bradley, S Pharis, SJ Butcher, ... *The FASEB Journal* 33 (1_supplement), lb496-lb496
11. Lower baroreflex sensitivity during muscle metaboreflex activation in children and adolescents with the Fontan circulation and single ventricle physiology NG Boyes, RM Iqbal, S Fusnik, DS Lahti, MC Erlandson, KD Wright, ... *The FASEB Journal* 33 (1_supplement), lb518-lb518
12. Increased arterial stiffness in a cohort of pediatric Takayasu arteritis patients in Toronto adversely affects left ventricular mechanics HB Grotenhuis, FA Aeschlimann, W Hui, C Slorach, RSM Yeung, ... *JCR: Journal of Clinical Rheumatology*
13. Cardiovascular magnetic resonance provides evidence of abnormal myocardial strain and primary cardiomyopathy in marfan syndrome S Winther, LK Williams, M Keir, KA Connelly, TJ Bradley, H Rakowski, ... *Journal of computer assisted tomography* 43 (3), 410-415
14. Non-invasive assessment of aortic stiffness and blood pressure in young Turner syndrome patients DA Fox, KT Kang, JE Potts, TJ Bradley, LL Stewart, JM Dionne, ... *Journal of Pediatric Endocrinology and Metabolism* 32 (5), 489-498
15. Single-center experience with Beta-propeller protein-associated neurodegeneration (BPAN); expanding the phenotypic spectrum. Chard M, Appendino JP, Bello-Espinosa LE, Curtis C, Rho JM, Wei XC, Al-Hertani W. *Mol Genet Metab Rep.* 2019 Jun 19;20:100483. doi: 10.1016/j.ymgmr.2019.100483. eCollection 2019 Sep.
16. Neonates with a 10-min Apgar score of zero: Outcomes by gestational age. Zhong YJ, Claveau M, Yoon EW, Aziz K, Singhal N, Shah PS, Wintermark P; Canadian Neonatal Network (CNN) Investigators. *Resuscitation.* 2019 Oct;143:77-84.
17. Predictors of Severe Neurologic Injury on Ultrasound Scan of the Head and Risk Factor-based Screening for Infants Born Preterm. Beltempo M, Wintermark P, Lemyre B, Shalish W, Martel-

Publications 2019

- Bucci A, Narvey M, Ng EH, Guillot M, Shah PS; Canadian Neonatal Network Investigators. *J Pediatr.* 2019 Nov;214:27-33.e3.
18. Trends in sex-specific differences in outcomes in extreme preterms: progress or natural barriers? Garfinkle J, Yoon EW, Alvaro R, Nwaesei C, Claveau M, Lee SK, Shah PS; Canadian Neonatal Network Investigators. *Arch Dis Child Fetal Neonatal Ed.* 2020 Mar;105(2):158-163
 19. Outcomes of singleton small for gestational age preterm infants exposed to maternal hypertension: a retrospective cohort study. ElSayed E, Daspal S, Yee W, Pelausa E, Canning R, Shah PS, Yusuf K; Canadian Neonatal Network Investigators. *Pediatr Res.* 2019 Aug;86(2):269-275.
 20. Maternal smoking and neurodevelopmental outcomes in infants <29 weeks gestation: a multicenter cohort study. Ediger K, Hasan SU, Synnes A, Shah J, Creighton D, Isayama T, Shah PS, Lodha A; Canadian Neonatal Network; Canadian Neonatal Follow-Up Network. *J Perinatol.* 2019 Jun;39(6):791-799.
 21. Optic Nerve Sheath Diameter for Preterm Infants: A Pilot Study. Ardell S, Daspal S, Holt T, Hansen G. *Neonatology.* 2019;116(1):1-5.
 22. The Value of Different Radiological Modalities in Assessment of Spontaneous Pneumomediastinum: Case Review and Diagnostic Perspective. Jariwala PS, Kalaniti K, Wonko N, Daspal S, Mugarab Samedi V. *AJP Rep.* 2019 Jan;9(1):e72-e75.
 23. Central Line-Associated Blood Stream Infections and Non-Central Line-Associated Blood Stream Infections Surveillance in Canadian Tertiary Care Neonatal Intensive Care Units. Zipursky AR, Yoon EW, Emberley J, Bertelle V, Kanungo J, Lee SK, Shah PS; Canadian Neonatal Network Investigators. *J Pediatr.* 2019 May;208:176-182.e6
 24. Extensive cardiopulmonary resuscitation of preterm neonates at birth and mortality and developmental outcomes. Fischer N, Soraisham A, Shah PS, Synnes A, Rabi Y, Singhal N, Ting JY, Creighton D, Dewey D, Ballantyne M, Lodha A; Canadian Neonatal Network™ (CNN) and the Canadian Neonatal Follow-up Network (CNFUN) Canadian Neonatal Network (CNN) Site Investigators. *Resuscitation.* 2019 Feb;135:57-65.
 25. Focus: Death: Brain Death Criteria: Medical Dogma and Outliers M Rayner, M Mansoor, T Holt, G Hansen *The Yale Journal of Biology and Medicine* 92 (4), 751
 26. Impact of intensive care unit supportive care on the physiology of Ebola virus disease in a universally lethal non-human primate model G Poliquin, D Funk, S Jones, K Tran, C Ranadheera, M Hagan, K Tierney, *Intensive care medicine experimental* 7 (1), 1-13
 27. Surgical repair for common arterial trunk with pulmonary dominance, hypoplasia of ascending aorta, and interrupted aortic arch S Talwar, B Siddharth, SK Gupta, A Bhoje, SK Choudhary *Annals of pediatric cardiology* 12 (3), 287
 28. Thoracic electrical impedance tomography to minimize right heart strain following cardiac arrest G Hansen, T Holt, J Dmytrowich *Annals of pediatric cardiology* 12 (3), 315
 29. An Affordable Smart Phone Communication System from Highway to Helipad: A Case Series J Koll, D Martin, G Hansen *Journal of Mobile Technology in Medicine* 8 (1), 53-60
 30. Utilizing Pediatric Scoring Systems to Predict Disposition During Interfacility Transport T Holt, M Prodanuk, G Hansen *Prehospital Emergency Care* 23 (2), 249-253
 31. Pediatric early warning score and deteriorating ward patients on high-flow therapy G Hansen, J Hochman, M Garner, J Dmytrowich, T Holt *Pediatrics International* 61 (3), 278-283
 32. Contemplating remote presence technology for culturally safe health care for rural indigenous children T Holt, G Hansen, V McKinney, I Mendez Alter *Native: An International Journal of Indigenous Peoples* 15 (1), 31-33

Publications 2019

33. Pulmonary Thromboses in Pediatric Acute Respiratory Distress Syndrome M Caudron, T Holt, GDE Cuvelier, J Dmytrowich, G Hansen Respiratory care 64 (2), 209-216
34. Implementation and Evaluation of a Diabetic Ketoacidosis Order Set in Pediatric Type 1 Diabetes at a Tertiary Care Hospital: A Quality-Improvement Initiative. Flood K, Nour M, Holt T, Cattell V, Krochak C, Inman M. Can J Diabetes. 2019 Jul;43(5):297-303.
35. Position Statement on the Use of Medical Cannabis for the Treatment of Epilepsy in Canada: By the Canadian League Against Epilepsy Medical Therapeutics Committee, Invited ... JP Appendino, C Boelman, PM Brna, JG Burneo, CS Claassen, ... Canadian Journal of Neurological Sciences 46 (6), 645-652
36. Are Ketamine infusions a viable therapeutic option for refractory neonatal seizures? RJ Huntsman, L Strueby, W Bingham Pediatric neurology
37. Dosage related efficacy and tolerability of cannabidiol in children with treatment-resistant epileptic encephalopathy: preliminary results of the CARE-E study RJ Huntsman, R Tang-Wai, J Alcorn, S Vuong, B Acton, S Corley, ... Frontiers in neurology 10, 716
38. Cannabis for Pediatric and Adult Epilepsy RJ Huntsman, R Tang-Wai, J Tellez-Zenteno Recent Advances in Cannabinoid Research
39. A Simulation Study to Assess the Effect of Analytic Error on Neonatal Glucose Measurements Using the Canadian Pediatric Society Position Statement Action Thresholds M Inman, K Parker, L Strueby, AW Lyon, ME Lyon Journal of diabetes science and technology,
40. Imaging findings of sterile pyogenic arthritis, pyoderma gangrenosum and acne (PAPA) syndrome: differential diagnosis and review of the literature C Martinez-Rios, MP Jariwala, K Highmore, KW Duffy, L Spiegel, ... Pediatric radiology 49 (1), 23-36
41. Henoch-Schönlein Purpura and Other Vasculitides MP Jariwala, RM Laxer Academic Press
42. Childhood GPA, EGPA, and MPA M Jariwala, RM Laxer Clinical Immunology 211, 108325
43. A new Canadian inception cohort for juvenile idiopathic arthritis: The Canadian Alliance of Pediatric Rheumatology Investigators Registry M Batthish, R Berard, D Cabral, R Bolaria, G Chédeville, C Duffy, ...Rheumatology
44. 1143. Measuring Up! Benchmarking Antimicrobial Use in Canadian Children's Hospitals J Blackburn, J Bowes, MA Harrison, N Barrowman, H Roy, M Science, ... Open Forum Infectious Diseases 6 (Supplement_2), S407-S407
45. Comments on "Perioperative glucocorticoid stress dosing: a survey of anesthesiologists and general internists" M Nour Canadian Journal of Anesthesia/Journal canadien d'anesthésie 66 (3), 333-333
46. Do we need a new classification of juvenile idiopathic arthritis? AM Rosenberg Clinical immunology (Orlando, Fla.), 108298-108298
47. Prospective Determination of the Incidence and Risk Factors of New-Onset Uveitis in Juvenile Idiopathic Arthritis: The Research in Arthritis in Canadian Children Emphasizing ... JJY Lee, CM Duffy, J Guzman, K Oen, N Barrowman, AM Rosenberg, ... Arthritis care & research 71 (11), 1436-1443
48. Parent-Reported Medication Side-Effects and Their Impact on Health-Related Quality of Life in Children with Juvenile Idiopathic Arthritis: Results from the CAPRI Registry GI Chedeville, M Batthish, R Berard, R Bolaria, A Bruns, D Cabral, C Duffy, ... ARTHRITIS & RHEUMATOLOGY 71
49. Measuring consistency among gene set analysis methods: A systematic study. F Maleki, KL Ovens, DJ Hogan, E Rezaei, AM Rosenberg, AJ Kusalik Journal of bioinformatics and computational biology 17 (5), 1940010
50. Identification of novel adenosine deaminase 2 gene variants and varied clinical phenotype in pediatric vasculitis KM Gibson, KA Morishita, P Dancey, P Moorehead, B Drögemöller, X Han, ... Arthritis & Rheumatology 71 (10), 1747-1755

Publications 2019

51. Clinical presentation, immunologic features, and hematopoietic stem cell transplant outcomes for IKBKB immune deficiency GDE Cuvelier, TS Rubin, A Junker, R Sinha, AM Rosenberg, DA Wall, ... *Clinical Immunology* 205, 138-147
52. Vitreous cytokine profile in rats inoculated with bovine insoluble Melanin Associated Antigen, type 1 collagen, and type 2 collagen, and the influence of age and sex on uveitis S Osinchuk, T Wilson-Gerwing, A Rosenberg, B Grahn *Investigative Ophthalmology & Visual Science* 60 (9), 798-798
53. SAT0613 CHANGING TREATMENTS AND OUTCOMES FOR JUVENILE IDIOPATHIC ARTHRITIS: INITIAL FINDINGS FROM A NEW CANADIAN INCEPTION COHORT J Guzman, M Batthish, R Berard, R Bolaria, D Cabral, G Chédeville, ... *Annals of the Rheumatic Diseases* 78 (Suppl 2), 1401-1401
54. Predicting which children with juvenile idiopathic arthritis will not attain early remission with conventional treatment: results from the ReACCh-Out cohort J Guzman, A Henrey, T Loughin, RA Berard, NJ Shiff, R Jurencak, ... *The Journal of rheumatology* 46 (6), 628-635
55. Real-World Effectiveness of Common Treatment Strategies for Juvenile Idiopathic Arthritis: Results from a Canadian Cohort A Chhabra, K Oen, AM Huber, NJ Shiff, G Boire, SM Benseler, RA Berard, ... *Arthritis care & research*
56. Children with Enthesitis Have Worse Quality of Life, Function, and Pain, Irrespective of their Juvenile Arthritis Category DG Rumsey, J Guzman, AM Rosenberg, AM Huber, R Scuccimarri, ... *Arthritis care & research*
57. Patterns of joint involvement in juvenile idiopathic arthritis and prediction of disease course: a prospective study with multilayer non-negative matrix factorization SWM Eng, FA Aeschlimann, M Van Veenendaal, RA Berard, ... *PLoS medicine* 16 (2)
58. Improving sexual and reproductive health knowledge and practice in Mozambican families with media campaign and volunteer family health champions PH Pires, R Siemens, M Mupueleque *Family Medicine and Community Health* 7 (4)
59. Challenges to achieving and maintaining viral suppression among Canadian children living with perinatal HIV infection in the Early Pediatric Initiation Canada Child Cure Cohort. Kakkar F, Lee T, Hawkes MT, Brophy J, Lindy S, Singer J, Dieumegard H, Sauve L, Alimenti A, Vaudry W, Seigel S, Tan B, Karatzios C, Lamarre V, Read S, Soudeyans H, Bitnun A; EPIC4 Study Group. *AIDS*. 2019 Dec 2
60. Seizure freedom improves health-related quality of life after epilepsy surgery in children P Jain, ML Smith, K Speechley, M Ferro, M Connolly, ... *Developmental Medicine & Child Neurology*