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## PERC 2015 Publications & Grants

### PERC Member Publications: December 2014—May 2015

Ali H, Kircher J, Meyers C, **MacLellan J, Ali S**. Canadian Emergency Medicine Residents' Perspectives on Pediatric Pain Management. *CJEM*. 2015 Mar 31:1-9.

Amarilyo G, Glatstein M, Alper A, **Scolnik D**, Lavie M, Schneebaum N, Grisaru-Soen G, Assia A, Ben-Sira L, Reif S. IV penicillin G is as effective as IV cefuroxime in treating community-acquired pneumonia in children. *Am J Ther*. 2014;21(2):81-4.

Archibald MM, Caine V, **Ali S, Hartling L, Scott SD**. What is left unsaid: an interpretive description of the information needs of parents of children with asthma. *Res Nurs Health*. 2015 Feb;38(1):19-28.

**Bank I**, Snell L, Bhanji F. Pediatric Crisis Resource Management Training Improves Emergency Medicine Trainees Perceived Ability to Manage Emergencies and Ability to Identify Teamwork Errors. *Pediatric emergency care*, 30(12): 879-883. 2014

**Bank I**, Cheng A, McLeod P, Bhanji F. Determining Content for a Simulation-based Curriculum in Pediatric Emergency Medicine: Results from a National Delphi Process. *Canadian Journal of Emergency Medicine*, 2015 DOI 10.1017/cem.2015.11

Berant R and **Scolnik D**: Topical lidocaine-epinephrine-tetracaine is effective in reducing pain during laceration repair with tissue adhesive in children. *Evidence-Based Nursing* 2014;17:118.

**Boutis K, Weerdenburg K**, Koo E, **Schneeweiss S, Zemek R**. The Diagnosis of Concussion in a Pediatric Emergency Department. *Journal of Pediatrics* 2015; 166:5:1214-1220.e1

Cheng A, Overly F, Kessler D, Nadkarni VM, Lin Y, **Doan Q**, Duff JP, Tofil NM, Bhanji F, Adler M, et al. 2015. Perception of CPR quality: Influence of CPR feedback, just-in-time CPR training and provider role. *Resuscitation* 87:44-50. PMID: 25433294. DOI: 10.1016/j.resuscitation.2014.11.015.

Cheng A, Brown LL, Duff JP, Davidson J, Overly F, Tofil NM, Peterson DT, White ML, Bhanji F, **Bank I**, et al (**Doan Q**). 2015. Improving cardiopulmonary resuscitation with a CPR feedback device and refresher simulations (CPR CARES study): A randomized clinical trial. *JAMA Pediatr* 169(2):137-44. PMID: 25531167. DOI: 10.1001/jamapediatrics.2014.2616.



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Cohen S, Glatstein M, **Scolnik D**, Rom L, Yaron A, Otremski S, Reif S. Propofol for pediatric colonoscopy: the experience of a large, tertiary care pediatric hospital. *Am J Ther* 2014;21(6):509-11.

Cole PD, **Finkelstein Y**, Stevenson KE, Blonquist TM, Vijayanathan V, Silverman LB, Neuberg DS, Sallan SE, Robaey P, Waber DP. Polymorphisms in Genes Related to Oxidative Stress Are Associated with Inferior Cognitive Function after Therapy for Childhood ALL. *Journal of Clinical Oncology* 2015 May 18.

**Curtis SJ**, **Craig WR**, Logue E, Vandermeer B, Hanson A, **Klassen T**. Ultrasound or near-infrared vascular imaging to guide peripheral intravenous catheterization in children: a pragmatic randomized controlled trial. *CMAJ*. 2015 May 19;187(8):563-70. PMID: 25897047.

**Daymont C**, **Klassen TP**, **Osmond MH**, (for the Pediatric Emergency Research Canada [PERC] Head Injury Study Group). Accuracy of physician-estimated probability of brain injury in children with minor head trauma. *Canadian Journal of Emergency Medicine*. 2015 (<http://dx.doi.org/10.1017/cem.2014.50>).

**Daymont C**, Bonafide CP, Brady PW. Heart rates in hospitalized children by age and body temperature. *Pediatrics*. 2015 May;135(5):e1173-81.

Douglass AB, Orr L, Busby K, Vadneau A, **Fathi K**, Eaton, C. Sleep state misperception in a psychiatric hospital outpatient sleep clinic. *Sleep*. 2005; 28(Suppl. 1): A241.

**Dubrovsky AS**, **Kempinska A**, **Bank I**, Mok E. Accuracy of Ultrasonography for Determining Successful Realignment of Pediatric Forearm Fractures. *Annals of Emergency Medicine* 2015;63(3):260-265.

**Ducharme FM**. Diagnosis and management of asthma in preschoolers: A Canadian Thoracic Society and Canadian Paediatric Society position paper. *Can Respir J*. 2015 Apr 20.

**Finkelstein Y**, Macdonald EM, Hollands S, Sivilotti ML, Hutson JR, Mamdani MM, Koren G, Juurlink DN; Canadian Drug Safety and Effectiveness Research Network (CDSERN). Risk of Suicide Following Deliberate Self-poisoning. *JAMA Psychiatry*. 2015 Apr 1. doi: 10.1001/jamapsychiatry.2014.3188. [Epub ahead of print]

**Finkelstein Y**, Macdonald EM, Hollands S, Sivilotti ML, Hutson JR, Mamdani MM, Koren G, Juurlink DN; Canadian Drug Safety and Effectiveness Research Network (CDSERN). Long-term outcomes following self-poisoning in adolescents: A population-based cohort study. *The Lancet Psychiatry* 2015 Apr 25



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**Freedman S**, Vandermeer B, Milne A, **Hartling L**, on behalf of the Pediatric Emergency Research Canada Gastroenteritis Study Group. Diagnosing Clinically Significant Dehydration in Children with Acute Gastroenteritis Using Noninvasive Methods: A Meta-Analysis. *The Journal of Pediatrics*. 2015 Apr;166(4):908-16.

Friedman JN, Beck CE, DeGroot J, Geary D, Sklansky D, **Freedman SB**. Maintenance IV Fluid: A Randomized Controlled Trial of 0.9% NaCl/Dextrose 5% vs. 0.45% NaCl/Dextrose 5%. *JAMA Pediatrics* *JAMA Pediatr*. 2015 Mar 9. doi: 10.1001/jamapediatrics.2014.3809. [Epub ahead of print].

Gill C, Ansermino M, Sanatani S, Mulpuri K, **Doan Q** Paediatric patient family engagement with clinical research at a tertiary care paediatric hospital. *Paediatrics and Child Health: December 2014*: 19(10): 537-42.

Glatstein M, Danino D, Wolyniez I, **Scolnik D**. Seizures caused by ingestion of atropa belladonna in a homeopathic medicine in a previously well infant: case report & review of the literature. *Am J Ther* 2014;21(6):e196-8.

Glatstein M, Ayelet R, Danino D, Weiss K, **Scolnik D**. Severe allergic contact dermatitis from temporary 'black henna' coloring of the hair during religious cultural celebrations: three different cases, same history. *Am J Ther* 2014 Mar 26. [Epub ahead of print]

Glatstein M, **Scolnik D**. Resistance patterns of typhoid fever in children: a longitudinal, community-based study. *Amer J Ther* 2014 Jul 1. [Epub ahead of print]

Glatstein M, **Scolnik D**. Asorbic Acid for the treatment of methemoglobinemia: The experience of a large tertiary care paediatric hospital. *Am J Ther*. 2014 Jul-Aug;21(4):240-3. SRI

Glatstein M, Morag S, **Scolnik D**, Alper A, Reif S, Grisaru-Soen G. Acute mastoiditis before the introduction of pneumococcal conjugate vaccine: the experience of a large, tertiary care pediatric hospital. *Am J Ther* 2014 Oct 3. [Epub ahead of print]

Holsti M, **Zemek R**, Baren J, Stanley R, Mahajan P, Vance C, Brown K, Gonzalez V, King D, Jacobsen K, Shreve K, van de Bruinhorst K, Jones A, Chamberlain J. Variation of Community Consultation and Public Disclosure for a Pediatric Multi-centered "Exception from Informed Consent" Trial. *Clinical Trials*. 2015 Feb;12(1):67-76.

Hynick N, Brennan M, Schmit P, Noseworthy S, Bettoli M, **Yanchar NL**. Identification of blunt abdominal injuries in children. *J Trauma Acute Care Surg*. 2014 Jan;76(1):95-100.



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Jong GW, **Klassen TP**, MacLeod SM. A Landmark Report on Improving Medicines for Children. JAMA Pediatr. 2015 Mar;169(3):204-5. doi: 10.1001/jamapediatrics.2014.3057.

**Kempinska AY**, Bhanji F, Larouche S, **Dubrovsky AS**. A Novel Simulation-Based Program for Ultrasound-guided Fracture Reductions: Program Evaluation. American Journal of Emergency Medicine 2014; 32(12): 1547-9.

Lajoie P, Aubin D, Gingras V, Daigneault P, **Ducharme FM**, Gauvin D, Fugler D, Leclerc JM, Won D, Courteau M, Gingras S, Héroux ME, Yang W, Schleibinger H. The IVAIRE Project – A Randomized Controlled Study of the Impact of Ventilation on Indoor Air Quality and the Respiratory Symptoms of Asthmatic Children in Single Family Homes. Indoor Air. 2014 Dec 30. doi: 10.1111/ina.12181

Le T, **Fathi K**, Hopkins L, et al. The significance of duration of chemotherapy interruptions due to interval surgery in ovarian cancer patients treated with neoadjuvant chemotherapy. Journal of Obstetrics and Gynaecology Canada. 2009; 31(2): 161-166.

Leung J, Perlman K, Rumantir M, **Freedman SB**. Emergency Department Ondansetron Use in Children with Type 1 Diabetes Mellitus and Vomiting. The Journal of Pediatrics 2015 Feb;166(2):432-8.

Mok G, Vaillancourt R, Irwin D, Wong A, **Zemek R**, **Alqurashi W**. Design and validation of pictograms in a pediatric anaphylaxis action plan. Pediatr Allergy Immunol. 2015;26(3):223-33.

- *The editor of Pediatric Allergy and Immunology chose this study for the top 3 articles in the issue of May, featured as "Editor's Choice".*

Moore G, Talarico S, **Kempinska A**, Lawrence SE, Weisz DE. An Innovative On-Call System for Pediatric Residency Programs: The Alternative Night Float. Pediatrics and Child Health 2015; 20(2):77-81.

Patocka C, Khan F, **Dubrovsky AS**, Brody D, **Bank I**, Bhanji F. Pediatric resuscitation training—Instruction all at once or spaced over time? Resuscitation, 88: 6-11. December 2014

Peláez S, Lamontagne AJ, Collin J, Gauthier A, Grad RM, Blais L, Lavoie KL, Bacon SL, Ernst P, Guay H, McKinney ML, **Ducharme FM**. Patients' perspective of barriers and facilitators to taking long-term controller medication for asthma: a novel taxonomy. BMC Pulm Med. 2015 Apr 25;15(1):42.

Pham H, **Zemek R**. A 15-year-old rugby player with a head injury. CMAJ. 2015 Feb 17;187(3):200-2.



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**Plint A, Boutis K, Klassen T, Johnson D, Porter R**, et al. How safe are our pediatric emergency departments? A national prospective cohort study" *BMJ Open*. 2014 Dec 4;4(12):e007064

**Plint AC, Stang A**, Clader LA. Establishing Research Priorities for Patient Safety in Emergency Medicine: A Multidisciplinary Consensus Panel. *Int J Emerg Med* 2015;8:1.

Pound CM, Moreau K, Rohde K, Barrowman N, Aglipay M, **Farion K, Plint AC**. Lactation Support and Breastfeeding Duration in Jaundiced Infants: a Randomized Controlled Trial. *PLOS One* 2015;10(3):e0119624.

Pound CM, Ward N, Moreau K, **Plint AC**. The Planning of a National Breastfeeding Educational Intervention for Medical Residents. *Med Educ Online* 2015;20:26380.

**Pusic M**, Chiaramonte R, Pecaric M, **Boutis K**. A Simple Method for Improving Self-Assessment While Learning Radiograph Interpretation. In Press. *Med Educ*. SRA

Pruteanu AI, Chauhan BF, Zhang L, Prietsch SO, **Ducharme FM**. Inhaled corticosteroids in children with persistent asthma: is there a dose response impact on growth? - an overview of Cochrane reviews. *Paediatr Respir Rev*. 2015 Jan;16(1):51-2. doi: 10.1016/j.prrv.2014.10.002. Epub 2014 Nov 15.

Rahman A, **Curtis S**, DeBruyne B, Sookram S, Thomson D, Lutz S, **Ali S**. Emergency medical services provider comfort with prehospital analgesia administration to children. *Prehosp Disaster Med*. 2015 Feb;30(1):66-71.

Robinson J, **Hartling L**, Vandermeer B, **Klassen TP**. Intravenous immunoglobulin for presumed viral myocarditis in children and adults. *Cochrane Database Syst Rev*. 2015 May

Schnadower D, **Finkelstein Y**, **Freedman SB**. Ondansetron and probiotics in the management of pediatric acute gastroenteritis in developed countries. *Current Opinion in Gastroenterology*. 2015 Jan;31(1):1-6.

Shethwala S, Mesterman R, **Kam A**. "An infant with persistent failure to thrive". *Clin Pediatr (Phila)*. 2015 Apr 29. pii: 0009922815584222. [Epub ahead of print].

Smith V, Grafstein E, Mustafa M, **Doan Q**. Factors influencing the decision to attend a Pediatric emergency department for non-emergent complaints. *PEC March 2015 E-pub ahead of print*. PMID:25822234



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Srigley JA, Goldfarb DM, **Pernica JM**. Bordetella species other than B. pertussis. Clinical Microbiology Newsletter 2015; 37(8); 61-65.

**Weerdenburg K, Finkelstein Y**. A 12-year old girl with seizures after intentional drug overdose. Bupropion overdose. Pediatric Emergency Care. 2015 Mar; 31(3):217-219.

**Yanchar NL**, Young JB, Langille DB. Knowledge and practice of childhood motor vehicle restraint use in Nova Scotia: phase II. Accid Anal Prev. 2015 Jan;74:150-6

Zed PJ, **Black KTL, Fitzpatrick EA**, Ackroyd-Stolarz S, Murphy NG, **Curran J**, MacKinnon NJ, **Sinclair D**. Medication-related emergency department visits in pediatrics: a prospective observational study. Pediatrics. 2015 Mar;135(3):435-43. doi: 10.1542/peds.2014-1827. Epub 2015 Feb 2.

Zelner I, Matlow J, Hutson JR, Wax P, Koren G, Brent J, **Finkelstein Y**; Toxicology Investigators Consortium (ToxIC). Acute Poisoning During Pregnancy: Observations from the Toxicology Investigators Consortium. J Med Toxicol. 2015 Mar 18. [Epub ahead of print]

**Zemek R**, Eady K, Moreau K, **Farion K**, Solomon B, Weiser M, Dematteo C. Canadian pediatric emergency physician knowledge of concussion diagnosis and initial management. CJEM. 2015;17(2):115-122.

## PERC Member Publications: In Press

**Boutis K**, Vonkeyserlingk C, Willan A, Goeree R. Cost-consequence Analysis of the Low Risk Ankle Rule. In Press. Annals of Emergency Medicine. PA

Campbell S, Zed P, **MacPhee S**. (2015) Emergency Procedural Sedation with Propofol in Older Teenagers - Any Cause for Concern? Pediatric Emergency Care, in press.

**Farion K**, Wright M, **Zemek R**, **Neto G**, Karowska A, **Tse S**, **Reid S**, **Jabbour M**, Poirier S, Moreau KA, Barrowman N. Understanding Low-Acuity Visits to the Pediatric Emergency Department (Accepted to PLOS ONE May 2015)

Fernandes R, **Plint AC**, Terwee C, Sampaio C, **Klassen T**, Offringa M, van der Lee J. Measurement properties of RDAI and RACS and their suitability as outcomes in bronchiolitis trials. Pediatrics (Accepted March 2015).



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**Freedman SB**, Pasichnyk D, **Black KJL**, **Fitzpatrick E**, **Gouin S**, Milne A, **Hartling L**. Gastroenteritis Therapies in Developed Countries: Systematic Review and Meta-Analysis PLoS One. In Press.

**Pernica JM**, Steenhoff AP, Welch H, Mokomane M, Quaye I, Arscott-Mills T, Mazhani L, Lechiile K, Mahony J, Smieja M, Goldfarb DM. Correlation of clinical outcomes with multiplex molecular testing of stool from children with gastroenteritis admitted to hospital in Botswana. *J Pediatr Infect Dis Soc* (accepted for publication April 2015)

**Reid S**, **Neto G**, **Tse S**, **Farion K**, Marvizi A, Smith L, Clarkin C, Rohde K, Moreau K. Evaluation of a Pediatric Emergency Department Waiting Room Educational Initiative (Accepted to *Peds Emerg Care*, February 2015)

**Thompson G**, **Fitzpatrick E** et al. (2015). Variation in the diagnosis and management of appendicitis at Canadian Pediatric Hospitals. *Academic Emergency Medicine* (accepted for publication).

**Weerdenberg K**, **Schneeweiss S**, Koo E, **Boutis K**. Pediatric Concussion: What do Parents Know? In Press. *Acad Pediatrics*.

## PERC Investigators Tri-Council Grants

Beauchamp M (PI), **Gravel J**, Dehaes M, Gagnon I. Collaborators: **Zemek R**, Yeates K, Bigler E, Tong K, Dubois J. Utility of advanced Diagnostic methods in neuroimaging for the mild TBI continuum of care. *FRQS Québec Health Research Funds: Consortium for research in traumatology*, \$146,126: 2015-2018.

**Hartling L** (PI), Junker A, Offringa M, Chan A, **Curtis S**, Fernandes R, Hamm M, **Klassen T**, Moher D, Richer L, **Scott S**, Williams K. Design, conduct and reporting of randomized controlled trials in child health: a systematic review. *CIHR Knowledge Synthesis Grant*, \$100,000

**Newton M** (PI); PERC members: **Curran J**; Other team members: Alexa Bagnell (Co-PI), Joanna Henderson, Anna Hugué, Rhonda Rosychuk, Lori Wozney Knowledge to Action in Mental Health Care: Mobile Ecological Momentary Intervention (mobile EMI) to Help Adolescents Adhere to Evidence-Based Treatment for their Anxiety Disorder. *CIHR Knowledge to Action Operating Grant* \$200,000: 2015-2017



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## PERC Investigators in the News

**Ali S.** Canada's emergency department doctors could do more for pediatric pain management study (<http://metronews.ca/news/edmonton/1259273/canadas-emergency-department-doctors-could-do-more-for-pediatric-pain-management-study/>)

**Chan K.** has been appointed Chair, Department of Pediatrics at Memorial University

**Finkelstein Y.** The American Academy of Pediatrics Best Pediatric Academic Societies Abstract Award, Section on Emergency Medicine, for "Long-Term Outcome Following Deliberate Self-Poisoning", Pediatric Academic Societies Annual Meeting, San Diego, CA, April 25, 2015.

**Finkelstein Y.** Suicide-prevention efforts after 1st attempt must last longer, new research suggests. CBCnews, April 1, 2015 (<http://www.cbc.ca/news/health/suicide-prevention-efforts-after-1st-attempt-must-last-longer-new-research-suggests-1.3017652>)

**Finkelstein Y.** Youths who survive self-poisoning continue to be at risk of suicide for years. Study finds half of suicides among those who deliberately poisoned themselves occurred more than 3 years after initial episode. American Academy of Pediatrics (AAP) News, April 25, 2015 (<http://aapnews.aappublications.org/content/early/2015/04/25/aapnews.20150425-6>)

**Finkelstein Y.** Awarded ACMT Fellowship. Daily News, May 13, 2015 (<http://my.sickkids.ca/news/Lists/Posts/Post.aspx?ID=1443>)

**Freedman S.** Infectious Diseases in Children. Pediatric diarrheal diseases: A public health issue that requires further standardization. December 2014. (<http://www.healio.com/pediatrics/gastrointestinal-conditions/news/print/infectious-diseases-in-children/%7B843ced8a-ef6c-4dca-805b-be0f81a269f4%7D/pediatric-diarrheal-diseases-a-public-health-issue-that-requires-further-standardization.>)

- Cumming School of Medicine. News Digest. Newsmakers: Pediatric Diarrheal Diseases. January 13, 2015.





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**Pernica J.** Hamilton flu cases predicted to climb

(<http://www.chch.com/hamilton-flu-cases-predicted-climb/>)

**Zemek R.** V Reality check: How much rest should your child get post-concussion? (<http://globalnews.ca/news/1765098/reality-check-how-much-rest-should-your-child-get-post-concussion/>)