



# PERC - UPDATE

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## PERC 2013 Publications & Grants

### PERC Member Publications: April 2013—July 2013

**Albrecht L.**, Archibald M., Arseneau D., **Scott S.D.** Development of a checklist to assess the quality of reporting of knowledge translation interventions using the WIDER Recommendations. *Implementation Science*, 8(52). doi: 10.1186/1748-5908-8-52 (awarded “highly accessed” status) (2013)

Ateah C, **Scott, S.D.**, Kyle T. *Canadian essentials of pediatric nursing*. Philadelphia, PA: LWW Publishing. (2013)

Bethell J, Bondy S, Lou W, Guttman A, **Rhodes AE**. Child and adolescent emergency department presentations for self-harm: Data from Ontario. *Canadian Journal of Public Health*. 2013 104(2):124-130 (Trainee publication).

Bhutta ZA, Zapursky A, Wazny K, Levine MM, Black RE, Bassani D, Santosham M, **Freedman SB**, et al. Setting priorities for development of emerging interventions against childhood diarrhoea. *Journal of Global Health* 2013 Jun;3(1):10302. doi: 10.7189/jogh.03.010302.

**Boutis K**, Cogollo W, Fischer J, **Freedman SB**, BenDavid G, Thomas K. Parental Knowledge of Potential Cancer Risks from Exposure to Computed Tomography. *Pediatrics* 2013 Jul 8. [Epub ahead of print].

Chow J, Ateah C, **Scott S.D.**, Ricci S, Kyle, T, *Canadian maternity and pediatric nursing*. Philadelphia, PA: LWW Publishing. (2013)

Cole ET, Harvey G, Foster G, Thabane L, **Parker MJ**. Study protocol for a randomized controlled trial comparing the efficiency of two provider-endorsed manual pediatric fluid resuscitation techniques. *BMJ Open* 2013;3:e002754

**Doan Q**, Piteau S, Sheps S, Singer J, Wong H, **Johnson D**, and Kissoon N. The Role of Physician Assistants in Pediatric Emergency Medicine: The Physician's View. *CJEM*. 2013;15(0):1-9.

**Doan Q**, Sheps S, Kissoon N, Wong H, Singer J, and **Johnson D**. Parents' willingness to receive care by Physician Assistants in a Pediatric Emergency Department. *Canadian Journal of Emergency Medicine*. *CJEM*. 2013;15(0):1-7.



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Donovan L, **Hartling L**, Muise M, Guthrie A, Vandermeer B, Dryden DM. Screening tests for gestational diabetes: A systematic review for the U.S. Preventive Services Task Force. *Ann Intern Med*. Published online May 28, 2013. Doi: 10.7326/0003-4819-159-2-201307160-00657.

**Ducharme FM**, Lougheed D, McNaughton-Filion LM, **Newton A**, Shafir M, Paprica A, **Klassen T**, Taljaard M, **Grimshaw J**, **Johnson DW**. Best strategies to implement clinical pathways in an emergency department setting: Study protocol for a cluster randomized controlled trial. *Implement Sci* 2013,8:55,

Fernandes RM, **Bialy LM**, Vandermeer B, Tjosvold L, **Plint AC**, Patel H, **Johnson DW**, **Klassen TP**, **Hartling L**. Glucocorticoids for acute viral bronchitis in infants and young children. *Cochrane Database Syst Rev*. 2013 Jun 4;6:CD004878

**Freedman SB**, **Ali S**, Oleszczuk M, **Gouin S**, **Hartling L**. Treatment of acute gastroenteritis in children: an overview of systematic reviews of interventions commonly used in developed countries. *Evidence-Based Child Health: A Cochrane Review Journal* 2013 8; 1123-1137.

**Freedman SB**, **Thull-Freedman JD**, Rumantir M, Atenafu E, Stephens D. Emergency Department Revisits in Children With Gastroenteritis: a Retrospective Observational Cohort Study. *Journal of Pediatric Gastroenterology & Nutrition* 2013 Jun 30. [Epub ahead of print].

**Gravel J**, **Gouin S**, Carriere N, **Gaucher N**, **Bailey B**. Unfavourable outcome for children leaving the emergency department without being seen by a physician. *CJEM*. 2013; 15(0):1-11.

Hamm M., Chisholm A., Shulhan J., Milne A., **Scott S.D.**, Given L.M., **Hartling L**. (2013). Social media to improve health outcomes: A scoping review. *BMJ Open*, 3(5). doi: 10.1136/bmjopen-2013-002819

Hamm M., Chisholm A., Shulhan J., Milne A., **Scott S.D.**, **Klassen T.P**, **Hartling L**. (accepted 3 February 2013). Use of social media by health care professionals and trainees: A scoping review. Manuscript submitted for publication to *Academic Medicine*.

Hamm MP, **Klassen TP**, **Scott SD**, Moher D, **Hartling L** (2013) Education in Health Research Methodology: Use of a Wiki for Knowledge Translation. *PLoS ONE* 2013 May 31;8(5):e64922

**Harman S**, **Zemek R**, Duncan MJ, Ying Y, Petrich W. The GLUE trial (Gluing Lacerations Utilizing Epinephrine): a randomized, controlled trial pre-treating lacerations for tissue adhesive repair with topical LET. *CMAJ*. (accepted June 5, 2013)



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**Hartling L**, Dryden DM, Guthrie A, Muise M, Vandermeer B, Donovan L. Benefits and harms of treating gestational diabetes mellitus: a systematic review and meta-analysis of the U.S. Preventive Services Task Force and the National Institutes of Health Office of Medical Applications of Research. *Ann Intern Med*. Published online May 28, 2013. Doi:10.7326/0003-4819-159-2-201307160-00661

**Hartling L**, Milne A, Hamm MP, Vandermeer B, Ansari M, Tsertsvadze, Dryden DM. Testing the Newcastle Ottawa Scale showed low reliability between individual reviewers. *J Clin Epidemiol* 2013 May 16.

**Hartling L**, **Newton AS**, Liang Y, Jou H, Hewson K, **Klassen TP**, **Curtis S**. Music to reduce pain and distress in the pediatric emergency department: a randomized clinical trial. *JAMA Pediatr* 2013 July 15 (released online).

Heinrichs J, Fritze Z, Vandermeer B, **Klassen T**, **Curtis S**. New interventions for peripheral intravenous cannulation of children: a systematic review and meta-analysis. *Pediatric Emergency Care* 2013, 29(7): 858-866.

**Jabbour M**, **Curran J**, **Scott SD**, Guttman A, Rotter T, **Ducharme FM**, Lougheed MD, McNaughton-Filion ML, **Newton A**, Shafir M, Paprica A, **Klassen T**, Taljaard M, **Grimshaw J**, **Johnson DW**. Best strategies to implement clinical pathways in an emergency department setting: study protocol for a cluster randomized controlled trial. *Implement Sci*. 2013 May 22;8(1):55.

Johnston BC, Donen R, Pooni A, Pond J, Xie F, Giglia L, **Kam A**, Bhamber A, Bami K, Patel Y, Guyatt GH. Conceptual framework for health-related quality of life assessment in acute gastroenteritis. *J Pediatr Gastroenterol Nutr*. 2013 Mar;56(3):280-9.

**Newton AS**, Dong K, Mabood N, Ata N, **Ali S**, Gokiart R, Vandermeer B, Tjosvold L, **Hartling L**, Wild TC. Brief emergency department interventions for youth who use alcohol and other drugs: a systematic review. *Pediatr Emerg Care* 2013 May;29(5):673-84

**Parker MJ**, Parshuarm C. Sodium bicarbonate use in shock and cardiac arrest: attitudes of pediatric acute care physicians. *Critical Care Medicine* 2013;41:0 [ePub ahead of print].

**Parker MJ**, Manan A. Translating resuscitation guidelines into practice: health care provider attitudes, preferences and beliefs regarding pediatric fluid resuscitation performance. *PLOS ONE* 2013;8(3):e58282.



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Pernica JM, Mah JK, **Kam AJ**. Canadian Pediatricians' Prescribing Practices for Community-Acquired Pneumonia. *Clin Pediatr (Phila)*. May 15, 2013 [Epub ahead of print].

Perry S, **Scott S.D.** et al., (accepted 27 February 2013). Preparing parents to help support their child post-amputation for bone cancer. Manuscript accepted to *Canadian Operating Room Nursing Journal*.

**Porter, R.**; Chafe, R; Mugford, G; Newhook, L; Furey, A. Poor Access to Timely Pain Reduction Interventions for Pediatric Patients With Supracondylar Humerus Fracture. *Pediatric Emergency Care*. 29(7):796-800, July 2013.

Rashotte J., Harrison D., Coburn G., Yamada J., Stevens B., Abbott L., Barwick M., Campbell F., Chambers C., Cohen J., Cummings G., Estabrooks C.A., Finley G.A., Johnston C., Latimer M., Lee S., **LeMay S.**, McGrath P., Rosmus C., Sawatzky-Dickson D., **Scott S.D.** (accepted). Healthcare professionals' pain narratives in hospitalized children's medical records: Part 2 structure and content. Manuscript accepted for publication to *Pain Research & Management*.

**Rhodes AE**, Skinner R, McFaul S, Katz L. Canada wide effect of regulatory warnings on anti-depressant prescribing and suicide rates in boys and girls. *Canadian Journal of Psychiatry*. In Press.

**Rhodes AE**, Bethell J, Tonmyr L. Child sexual abuse and youth suicide: A review of the evidence with implications for future research. *International Journal of Child, Youth and Family Studies*. 2013. In Press.

**Rhodes AE**, Khan S, Boyle MH, Bethell J, Wekerle C, Tonmyr L, Goodman D, Leslie B, Lam K, Manion I. Sex differences in suicides among children and youth - the potential impact of help-seeking behavior. *Canadian Journal of Psychiatry*. 2013 58(5):274-282.

Schnadower D, Tarr PI, Gorelick MH, O'Connell K, Roskind CG, Powell EC, Rao J, Bhatt S, **Freedman SB**. Validation of the Modified Vesikari Score in Children with Gastroenteritis in 5 U.S. Emergency Departments. *Journal of Pediatric Gastroenterology & Nutrition* 2013 May 14. [Epub ahead of print]



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Vaillancourt C, Charette M, Kasaboski A, Brehaut JC, **Osmond MH**, Wells GA, Stiell IG, **Grimshaw J**. Barriers and Facilitators to CPR Knowledge Transfer in an Older Population Most Likely to Witness Cardiac Arrest: A Theory-Informed Interview Approach. *Emerg Med J* 10.1136/emmermed-2012-202192.

Wilk S, Michalowski W, O'Sullivan D, **Farion K**, Sayyad Shirabad J, Kuziemycki C, Kukawka B. "A Task-based Support Architecture for Developing Point-of-Care Clinical Decision Support Systems for the Emergency Department." *Methods of Information in Medicine*, 2013;52 (1):18-32.

Wilk S, Michalowski W, Michalowski M, **Farion K**, Hainegra Hing M. "Mitigation of adverse interactions in pairs of clinical practice guidelines using constraint logic programming." *Journal of Biomedical Informatics*, 2013;46;341-53.

**Zemek R, Clarkin C, Farion F**, Vassilyadi M, Barrowman N, Anderson P, et al. Parental anxiety at initial ED presentation is not predictive of prolonged symptoms following pediatric concussion. *Academic Emergency Medicine* (accepted June 6, 2013)

### Accepted but not published (in press)

Beckstead J, **Boutis K**, Pecaric M, **Pusic M**. The Influences of Sequential Effects in Randomized Online Learning Tasks. In press. *Applied Cognition*

**Boutis K**, Cogollo W, Fischer J, **Freedman SB**, BenDavid G, Thomas K. Parental Perceptions of the Possible Risks from Diagnostic Testing that Exposes Children to Ionizing Radiation. In press. *Pediatrics*.

**Boutis K**, Grootendorst P, **Plint A**, Brison R, Parker P, Sayal A, Butler N, **Schuh S**, Babyn P, **Johnson D**, **Grimshaw J**, Narayanan U. Controlled Radiography of Ankle Injury Cases for Kids in the Emergency Department (CRACKED): Implementation of the Low Risk Ankle Rule. In press. *CMAJ*.

**Boutis K**, Howard A, Constantine E, Cuomo A, Narayanan U. Evidence to Practice: Emergency Management of Common Pediatric Fractures. In press. *Pediatric Emergency Care*.

Dalziel S, Macias C, Thompson J, Fernandes R, Kuppermann N, **Johnson D**, Waisman Y, Cheng N, Acworth J, Chamberlain J, **Osmond M**, **Plint A**, et al. Predictors of severe H1N1 infection in children presenting within the Pediatric Emergency Research Networks (PERN): a retrospective case-control study. Accepted to *BMJ*, July 2013.



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Eltorki M, Uleryk E, **Freedman SB**. Waiver of Informed Consent in Pediatric Resuscitation Research – A Systematic Review. *Academic Emergency Medicine* In press. R; SRA

**Farion KJ**, Wilk S, Michalowski W, O’Sullivan D, Sayyad-Shirabad J. Comparing predictions made by a prediction model, clinical score, and physicians: Pediatric asthma exacerbations in the emergency department. Accepted to *Applied Clinical Informatics*, July 2013.

**Freedman SB**, DeGroot JM, Parkin PC. Predictors of Successful Emergency Department Discharge of Children with Gastroenteritis Requiring Intravenous Rehydration. *Journal of Emergency Medicine* In press.

**Harman S, Zemek R**, Duncan MJ, Ying Y, Petrich W. The GLUE trial (Gluing Lacerations Utilizing Epinephrine): a randomized, controlled trial pre-treating lacerations for tissue adhesive repair with topical LET. Accepted to *CMAJ*, June 5, 2013.

**Reid SM**. “All I want for Christmas is some...Amoxicillin?” Commentary accepted to *Canadian Family Physician*, February 2013.

Zed PJ, Haughn C, **Black K, Fitzpatrick E**, Ackroyd-Stolarz S, **Curran J**, Murphy N, MacKinnon N, **Sinclair D**. Medication-related emergency department visits in pediatrics: a systematic review. *Journal of Pediatrics* 2013 In press

**Zemek R, Osmond MD**, Barrowman N on behalf of the Pediatric Emergency Research Canada (PERC) Concussion Team. Predicting and Preventing Postconcussive Problems in Pediatrics (5P) study: protocol for a prospective multicentre clinical prediction rule derivation study in children with concussion. *BMJ Open* In press

**Zemek R, Clarkin C, Farion F**, Vassilyadi M, Barrowman N, Anderson P, et al. Parental anxiety at initial acute presentation is not associated with prolonged symptoms following pediatric concussion. Accepted to *Academic Emergency Medicine*, July 2013



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## PERC Member Tri-Council Grants

**Parker MJ** (PI), Co-I's: Aujla S, Bailey K, Choong K, Duffett M, Rosenbloom E, Watson J. Recognizing World Sepsis Day: An Opportunity to Foster Collaboration and Disseminate Knowledge. CIHR Dissemination Events – Priority Announcement - Infection and Immunity. \$20,516.

Snider C (PI), Co-I's: Cook K, Hammerback TJ, Mahmood JA, Rivera J, Robinson R, Rost LM, Spillett LL, Thomas N, Wiebe FT, Wolff LT, Woodward HR, Chernomas WM, Jiang D, **Klassen TP**, Logsetty S, Mordoch EM, Strome T. WrapAround Care for Youth Injured by Violence: A Randomized Control Trial. CIHR - \$887,829 (July 2013 – June 2015)

## PERC Investigators in the News

**Kathy Boutis'** study on the risk of CT scans was highlighted in a CBC news story: <http://www.cbc.ca/news/health/story/2013/07/08/ct-scan-children-head.html>

**Lisa Hartling's** recent publication on how music reduces kids' pain in the ER appeared on the Reuters wire in the US and is getting picked up by loads of media outlets such as the Chicago Tribune. See video from the CBC TV Edmonton broadcast: <http://www.cbc.ca/player/News/Canada/Edmonton/ID/2396915921/>

**Anne Rhodes'** research on predicting suicide related behavior was highlighted in many new stories nationally and internationally: <http://www.news-medical.net/news/20130404/Research-finds-multiple-factors-independently-predict-suicide-related-behaviour-in-young-population.aspx>