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PERC 2011 Publications & Grants

PERC Member Publications: January 2011—April 2011

Bjornson C, Russell KF, Vandermeer B, Durec T, Klassen TP, Johnson DW. *Nebulized epinephrine for croup in children*; Cochrane Database of Systematic Reviews; Issue 2, 2011, The Cochrane Library; 16 February 2011.

Burns, Emma and Natalie Yanchar. *Using cervical spine clearance guidelines in a pediatric population: a survey of physician practices and opinions*. CJEM 2011;13(1):1-6

Bussières JF, Lebel D, Voytenko S, Marquis C, Bailey B. *A pilot study to assess an online training module to quickly identify drugs on resuscitation trays*. Ann Fr Anesth Reanim 2011; 30: 31-6.

Cheng A, Hartfield D. *Minimum Equipment Guidelines for Pediatric Prehospital Care*. Pediatrics and Child Health. 2011, 16:173-176.

Cheng A. *Emergency Department Use of Ondansetron for Viral Gastroenteritis in Infants and Children*. Pediatr Child Health. 2011, 16:17-182.

Cheng A. *Emergency Treatment of Anaphylaxis in Infants and Children*. Pediatr Child Health. 2011, 16(1) : 35-40.

Cheng A, Hunt E, Donoghue A, Nelson K, LeFlore J, Anderson J, Eppich W, Simon R, Rudolph J, Nadkarni V for the EXPRESS Pediatric Simulation Collaborative. *EXPRESS – Examining Pediatric Resuscitation Education using Simulation and Scripting : The Birth of an International Pediatric Simulation Research Collaborative – From Concept to Reality*. Simulation in Healthcare, 2011, 6(1):34-41.

Doan Q, Sabhaney V, Kissoon N, Sheps S, Singer J. *A systematic review: The role and impact of the physician assistant in the emergency department*. Emerg Med Australas. 2011 Feb;23(1):7-15. doi: 10.1111/j.1742-6723.2010.01368.x. Epub 2011 Jan 20.

Doan Q, Shefrin A and Johnson D. *Cost-effectiveness of Metered-Dose Inhalers for Asthma Exacerbations in the Pediatric Emergency Department*. PEDIATRICS (doi:10.1542/peds.2010-2963d) April 4th, 2011.



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Donoghue A, Ventre K, Boulet J, Brett-Fleegler M, Nishisaki A, Overly F, Cheng A for the EXPRESS Pediatric Simulation Collaborative. *Design, Implementation and Psychometric Analysis of a Scoring Instrument for Pediatric Resuscitation – A Report from the EXPRESS Pediatric Research Collaborative*. Simulation in Healthcare, 2011, epub ahead of print.

Ducharme FM, Zemek R, Chalut D, McGillivray D, Noya FJ, Resendes S, Khomenko L, Rouleau R, Zhang X. *Written action plan in the acute care setting to improve children's adherence and asthma control*. Am J Res Crit Care Med.

Elzagallaai A, Garcia-Bournissen F, Finkelstein Y, Bend J, Rieder M, Koren G. *Severe bullous hypersensitivity reactions after exposure to carbamazepine in a Han Chinese child with a positive HLA-B*1502 and a negative lymphocyte toxicity assay: Evidence for different pathophysiological mechanisms*. Journal of Population Therapeutics and Clinical Pharmacology Jan 18(1):e1-e9, 2011

Freedman SB, Couto M, Spooner L, Haladyn K: *The implementation of a gastroenteritis education program*. American Journal of Emergency Medicine. 29(3): pp 271-277. 2011

Freedman, SB, Cho D, Boutis K, Stephens D, Schuh S: *Assessing the palatability of ORS in school-aged children: a randomized crossover trial*. Archives of Pediatrics and Adolescent Medicine; 164(8): pp 696-702. 2010

Freedman SB, Powell EC, Nava-Ocampo A, Finkelstein Y: *Ondansetron dosing in pediatric gastroenteritis: a prospective cohort pharmacodynamic study*. Pediatric Drugs; 12(6): pp 405-410. 2010

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Freedman SB, Gouin S, Bhatt M, Black K, Johnson D, Guimont C, Joubert G, Porter R, Doan Q, van Wylick R, Schuh S, Atenafu E, Eltorki M, Cho D, Plint A for Pediatric Emergency Research Canada (PERC): *A Prospective Assessment of Practice Pattern Variation in the Treatment of Pediatric Gastroenteritis*. Pediatrics. 127(2):e287-95. 2011

Gaucher N, Bailey B, Gravel J; *Who are the Children leaving the Emergency Department without being seen by a Physician?*, Acad Emerg Med. 2011; (18):152–157

Glatstein M, Halevy J, Atzmon Y, Kot RJ, Scolnik D. *International medical evacuation in children: a primary care pediatric clinic's 3-year experience*. Aviat Space Environ Med. 2011 Feb;82(2):133-6. PMID: 21329029 [PubMed - indexed for MEDLINE]



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Glatstein M, Scolnik D, Mari E, Penazzi M, Ruiz G, Waisburg C. *Levodopa Treatment of Late Onset Extrapyramidal Movements in a Child After High Voltage Electrocutation*. Am J Ther. 2011 Feb 15. [Epub ahead of print] PMID: 21326086 [PubMed - as supplied by publisher]

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Glatstein M, Carbell G, Boddu SK, Bernardini A, Scolnik D. *The changing clinical presentation of hypertrophic pyloric stenosis: the experience of a large, tertiary care pediatric hospital*. Clin Pediatr (Phila). 2011 Mar;50(3):192-5. Epub 2010 Nov 22. PMID: 21098534 [PubMed - in process]

Hamm MP, Osmond M, Curran J, Scott S, Ali S, Hartling L, Gokiart R, Cappelli M, Hnatko G, Newton AS. *A systematic review of crisis interventions used in the emergency department: recommendations for pediatric care and research*. Pediatr Emerg Care. 2010 Dec;26(12):952-62. Review. PMID: 21131813 [PubMed - indexed for MEDLINE]

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Hartling L, Fernandes RM, Bialy L, Milne A, Johnson D, Plint A, Klassen TP, Vandermeer B. *Steroids and bronchodilators for acute bronchiolitis in the first two years of life: systematic review and meta-analysis* OPEN ACCESS. BMJ 2011; 342:d1714 doi: 10.1136/bmj.d1714 (Published 6 April 2011)

Manzano S, Bailey B, Gervais A, Cousineau J, Delvin E, Girodias JB. *Markers for Bacterial Infection in Children with Fever without Source*. Arch Dis Child 2011, doi: 10.1136/adc.2010.203760.

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Poonai N, Lim R, Lynch T. *Pseudoaneurysm Formation Following a Traumatic Wrist Laceration*. Canadian Journal of Emergency Medicine. January 2011 Volume 13, No 1.

Porter SC, Johnston P, Parry G, Damian F, Hoppa E, Stack A. *Improving parent-provider communication in the pediatric emergency department: Results from the Clear, Concise Communication (3C) Campaign*. Ped Emerg Care. 2011 27(2):75-80

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Quach C, Moore D, Ducharme FM, Chalut D. *Do pediatric emergency departments pose a risk of infection?* BMC Pediatrics 2011, 11:2.

Reid SM, Farion KJ, Suh KN, Audcent T, Barrowman NJ, Plint AC. *Use of personal protective equipment in Canadian pediatric emergency departments*. CJEM 2011;13(2):71-78

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Schnadower D, Kuppermann N, Macias C, Freedman SB, Baskin M, Ishimine P, Scribner C, Okada P, Beach H, Bulloch B, Agrawal D, Saunders M, Sutherland DM, Blackstone MM, Sar-naik A, McManemy J, Brent A, Bennett J, Plymale JM, Solari P, Mann DJ and Dayan PS for the Pediatric Emergency Medicine Collaborative Research Committee of the American Academy of Pediatrics: *Febrile Infants with Urinary Tract Infections at Very Low Risk for Adverse Events and Bacteremia*. Pediatrics. 126(6): pp 1074-1083. 2010

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Scolnik D, Keogh K, Tuffman A, Sam J, Palambo A, Atenafu E, Stephens D: *Parents May Know Best! A Pilot Study suggests That Children of Parents Who Did Not Have Contact With Health Care Professionals Before Attending The Emergency Department Are Triageed as More Urgent*. Paediatrics and Child Health 2011;16(1) pp25-28. PA.

Sulowski C, Doria AS, Langer JC, Man C, Stephens D, Schuh S. *Clinical outcomes in obese and normal-weight children undergoing ultrasound for suspected appendicitis*. Acad Emerg Med. 2011 Feb;18(2):167-73.



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Trottier ED, Bailey B, Lucas N, Lortie A. *Use of Prochlorperazine in Children with Status Migrainosus: A Look at its Effectiveness and Rate of Akathisia*. Amer J Emerg Med doi:10.1016/j.ajem.2010.12.020.

Zhang L, Mendoza-Sassi RA, Wainwright C, Klassen TP. *Nebulized hypertonic saline solution for acute bronchiolitis in infants*; Issue 3, 2011, The Cochrane Library; 16 March 2011

Accepted but not published

Bhanji F, Gottesman R, de Grave W, Steinert Y, Winer L. *Paediatric Resuscitation Training – Do medical students believe it should be a mandatory component of the curriculum?* Resuscitation in press

Bhogal SK, McGillivray D, Bourbeau J, Plotnick L, Bartlett S, Benedetti A, Ducharme FM. *Focusing the focus group: impact of the awareness of major factors contributing to non-adherence to acute paediatric asthma guidelines*. Journal of Evaluation in Clinical Practice.

Blais L, Kettani F-Z, Lemièrre C, Beauchesne M-F, Perreault S, Elftouh N, Ducharme FM. *Inhaled Corticosteroids vs. Leukotriene-Receptor Antagonists and Asthma Exacerbations in Children*. Resp Med.

Boulet L-P, Desroches S, Drouin D, Ducharme FM, Gupta S, Henriksson P, Ingemansson M, Jonsson M, Kastner M, Kiessling A, Labrecque M, Royce D, Ziam S, Heldin G. *Knowledge Transfer in Primary Care: The Model of Allergic Respiratory Diseases*. Allergy Asthma & Clin Immunol.

Cheng A, Donoghue A, Gilfoyle E, Eppich W. *Simulation-based crisis resource management training for pediatric critical care medicine : A review for instructors*. Ped Crit Care Med. In Press.

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Cheng A, Nadkarni V, Hunt EA, Qayumi K for the EXPRESS Investigators. *A Multifunctional Online Research Portal for Facilitation of Simulation-Based Research: A Report from the EXPRESS Research Collaborative*. Simulation in Healthcare. In Press.

Ducharme FM. *Steroid responsiveness and wheezing phenotypes*. Pediatr Resp Rev



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Gaucher N, Bailey B, Gravel J; *Impact of physicians' characteristics on the admission risk among children visiting a pediatric emergency department*, Ped Emerg Care 2011.

Pusic M, Pecaric M, Boutis K. How Much Practice is Enough? Using Learning Curves to Assess the Deliberate Practice of Radiograph Interpretation. In press. Academic Medicine.

Raemer D, Nadkarni V, Cheng A et al. *Debriefing as part of the Learning Process*. Simulation in Healthcare. In Press.

Sam J, Pierse M, Al-Qahtani Q, Cheng A. *Implementation and Evaluation of a Simulation Curriculum for Pediatric Residency Programs including Just in Time In-Situ Mock Codes*. Pediatrics and Child Health. In Press.

Schnadower D, Kuppermann N, Macias C, Freedman SB, Baskin M, Ishimine P, Scribner C, Okada P, Beach H, Bulloch B, Agrawal D, Saunders M, Sutherland DM, Blackstone MM, Sar-naik A, McManemy J, Brent A, Bennett J, Plymale JM, Solari P, Mann DJ and Dayan PS for the Pediatric Emergency Medicine Collaborative Research Committee of the American Academy of Pediatrics: *Sterile Cerebrospinal Fluid Pleocytosis in Young Febrile Infants with Urinary Tract Infections*. Archives of Pediatrics and Adolescent Medicine.

Vonkeyserlingk C, Boutis K, Willan A, Hopkins R, Goeree R. *Cost-effectiveness analysis of cast versus splint in children with acceptably angulated wrist fractures*. In press. International Journal of Technology Assessment in Health.



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PERC Member Tri-Council Grants

CIHR / Heart and Stroke Grant - Assessing and Improving the Quality of Cardiopulmonary Resuscitation (CPR) Delivered During Simulated Pediatric Cardiac Arrest using a Novel CPR Feedback Device With : Dr. Vincent Grant, Alberta Children's Hospital, Dr. Jonathan Duff, Stollery Children's Hospital, Dr. Farhan Bhanji, Dr. Ronald Gottesman, Dr. Ilana Bank Montreal Children's Hospital, Dr. Vinay Nadkarni, Children's Hospital of Philadelphia and Dr. Betsy Hunt, Johns Hopkins Children's Hospital and the EXPRESS Investigators Award Amount : \$450,000 CAD

Early relational, cognitive, and neural manifestations of social dysfunction after preschool TBI, CIHR (\$548,275) 2011. Gravel J Co-Investigator

Exploring barriers to optimal asthma management by physicians. Ducharme FM (CP), Blais L, Grad R, McKinney M, Ernst P, Bacon S, Lavoie K, Collin J. Ranked 1st of 30 applications. Canadian Institutes of Health Research/Instituts de recherche en santé du Canada. April 2011 to March 2012. Amount \$199,999.

Replication Research: Developing a Framework for Knowledge Translation Research. Principal Investigators: Grimshaw J, Curran JA, Vachon B, Moher D, Brehaut J, Sales A, Straus S, McKibbin A, Funding body, amount and date: CIHR, \$99,352, October 2010