UNBC
Brown Bag Lunch Series

Trends in prehospital research: opportunities for engagement
April 25, 2019
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Disclosures

- BCEHS medical consultant
- Joint academic appointment UBC/UNBC
- No financial disclosures
Objectives

• To provide an overview of international, national and provincial EMS research initiatives

• To explore local opportunities for engagement in prehospital research
RESEARCH
Seek to generate new knowledge
Researcher-focused
Hypotheses
Make research recommendations
Publish results

METHODS & ANALYSIS

EVALUATION
Information for decision making
Stakeholder-focused
Key Questions
Recommendations based on key questions
Report to stakeholders
Research in the North
Effect of a Strategy of a Supraglottic Airway Device vs Tracheal Intubation During Out-of-Hospital Cardiac Arrest on Functional Outcome

The AIRWAYS-2 Randomized Clinical Trial

Jonathan R. Benger, MD; Kim Kirby, MRes; Sarah Black, DClinRes; Stephen J. Brett, MD; Madeleine Clout, BSc; Michelle J. Lazaroo, MSc; Jerry P. Nolan, MBChB; Barnaby C. Reeves, DPhil; Maria Robinson, MOst; Lauren J. Scott, MSc; Helena Smartt, PhD; Adrian South, BSc (Hons); Elizabeth A. Stokes, DPhil; Jodi Taylor, PhD; Matthew Thomas, MBChB; Sarah Voss, PhD; Sarah Wordsworth, PhD; Chris A. Rogers, PhD
NATIONAL
Society Guidelines

2019 Canadian Cardiovascular Society/Canadian Association of Interventional Cardiology Guidelines on the Acute Management of ST-Elevation Myocardial Infarction: Focused Update on Regionalization and Reperfusion

Primary Panel: Graham C. Wong, MD, MPH, (Co-chair), a Michelle Welsford, MD, b Craig Ainsworth, MD, b Wael Abuzeid, MD, MSc, c Christopher B. Fordyce, MDCM, MHS, MSc, a Jennifer Greene, BSc, ACP, d Thao Huynh, MD, MSc, PhD, f Laurie Lambert, MPH, PhD, i Michel Le May, MD, g Sohrab Lutchmeial, MDCM, h Shamir R. Mehta, MD, MSc, b Madhu Natarajan, MD, MSc, b Colleen M. Norris, RN, MN, PhD, i Christopher B. Overgaard, MD, MSc, l Michele Perry Arnesen, MHA, BSN, RN, k Ata Quraishi, MBBS, d Jean François Tanguay, MD, l Mouheiddin Traboulsi, MD, m Sean van Diepen, MD, MSc, l Robert Welsh, MD, l David A. Wood, MD, a and Warren J. Cantor, MD, (Co-chair); n and members of the Secondary Panel*

*a Vancouver General Hospital, University of British Columbia, Vancouver, British Columbia, Canada; b Hamilton Health Sciences, McMaster University, Hamilton, Ontario, Canada; c St. Michael's Hospital, University of Toronto, Toronto, Ontario, Canada; d University of British Columbia, Vancouver, British Columbia, Canada; e Queen Elizabeth II Health Sciences Centre, Dalhousie University, Halifax, Nova Scotia, Canada; f McGill University Health Centre, McGill University, Montreal, Quebec, Canada; g Institut National d'Excellence en Soins en Services Sociaux, Montreal, Quebec, Canada; h The University of Ottawa Heart Institute, University of Ottawa, Ottawa, Ontario, Canada; i New Brunswick Heart Centre, Dalhousie University, Halifax, Nova Scotia, Canada; j McMaster University, Hamilton, Ontario, Canada; k University Health Network, University of Toronto, Toronto, Ontario, Canada; l Baruch Hospital, Fraser Health Authority, Burnaby, British Columbia, Canada; m Institut de Cardiologie de Montréal, Université de Montréal, Montreal, Quebec, Canada; n Li Ka Shing Cardiovascular Institute, University of Calgary, Calgary, Alberta, Canada; *Southlake Regional Health Centre, University of Toronto, Toronto, Ontario, Canada
FRONTIER Study

The FRONTIER Study will determine the effectiveness of an emergency drug called NA-1 in reducing brain damage and disabilities in patients experiencing an acute stroke.
Prehospital Analgesia With Intranasal Ketamine (PAIN-K): A Randomized Double-Blind Trial in Adults

Gary Andolfatto, MD*; Kelsey Innes, MD; William Dick, MD; Sandra Jenneson, MD; Elaine Willman, MD; Robert Stenstrom, MD; Peter J. Zed, PharmD; Gene Benoit, CCP

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Early advanced life support attendance is associated with improved survival and neurologic outcomes after non-traumatic out-of-hospital cardiac arrest in a tiered prehospital response system.

Clinical paper

Early advanced life support attendance is associated with improved survival and neurologic outcomes after non-traumatic out-of-hospital cardiac arrest in a tiered prehospital response system

Brian Grunau\textsuperscript{a,b,c,*}, Takahisa Kawano\textsuperscript{b,d}, Frank Scheuermeyer\textsuperscript{a,b,c}, John Tallon\textsuperscript{a,e}, Joshua Reynolds\textsuperscript{f}, Floyd Besserer\textsuperscript{a,g}, David Barbic\textsuperscript{a,b,c}, Steven Brooks\textsuperscript{h}, Jim Christenson\textsuperscript{a,b}
Implementing Rural Advanced Care Community Paramedics in Rural and Remote British Columbia: A Qualitative Research Approach

Principal Investigators:
Dr. Floyd Besserer MD, FRCPC
Dr. Davina Banner PhD, RN
>4000 paramedics
EMR
PCP
ACP
CCP
ITT
Dispatchers
EXPECTED RESULTS
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PEP. Reproduced from:
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