

Research Theme Spotlight Acute and Critical Care

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Theme Lead - Improvement of Acute/Critical Care

A bit of history

Canadian Critical Care Trials Group

Collaborating for Impact
Leading Science, Saving Lives

June 8 2015

www.ccctg.ca

What is the CCCTG?

We represent...

25 years (1989-2014) of collaborative research excellence and knowledge translation;

350 members across the country including clinicians, scientists, allied health workers, research coordinators and trainees;

>230 publications including **16** in *New England Journal of Medicine* and

>\$80 million in research grants

Our vision

Vision

Together, advancing the care of our sickest patients through excellent research

“Nurturing the care of our sickest patients, one person, one idea, one study at a time.”

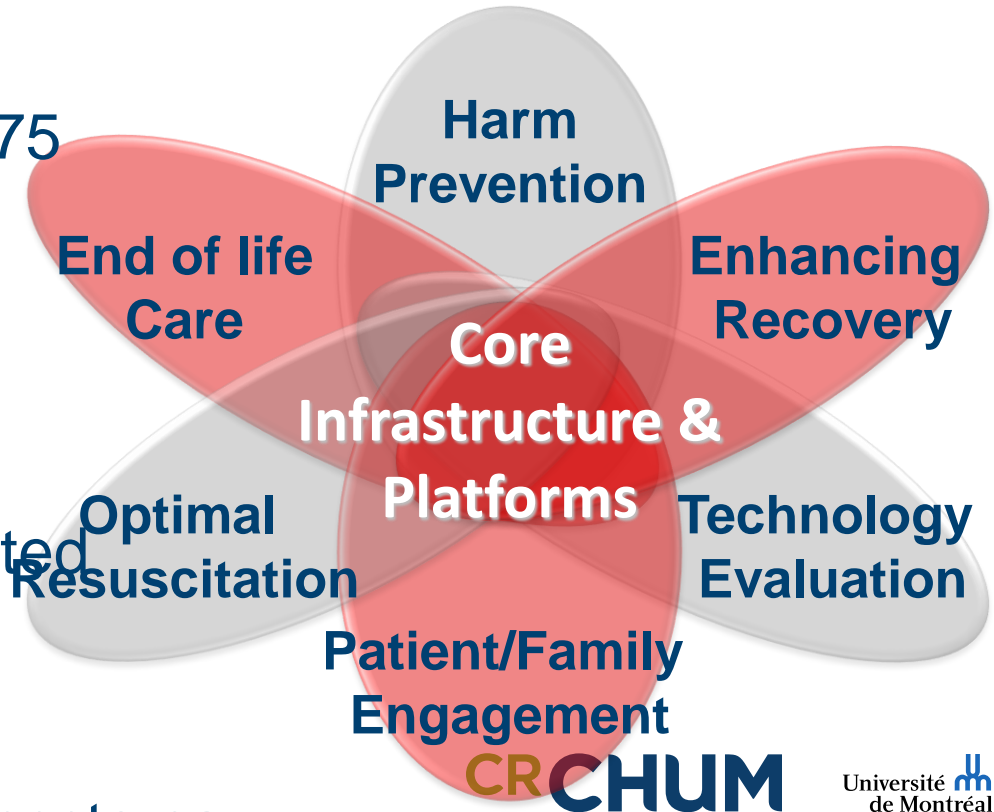
Realizing our vision

- Our research covers the temporal continuum of critical care



Our research themes

- We are collectively engaged in more than 75 major clinical research programs within six priority areas.
- Our research is supported by Core Information Platforms.



Acute Care and Critical portfolio

Program	Lead	Title
Core 2012	Karen Burns St-Michael's Hospital	<i>Practices in End of Life Care and in Discontinuing Mechanical Ventilation in Elderly Critically Ill Patients: A Nested Study within an International Observational Study</i>
	Deborah Cook McMaster University	<i>Probiotics: Prevention of Severe Pneumonia and Endotracheal Colonization Trial (PROSPECT): A Feasibility Pilot Trial</i>
	Sean Bagshaw/Ron Wald St-Michael's Hospital	<i>OPTIMAL Selection for and Timing to Start Renal Replacement in Critically Ill Older Patients with Acute Kidney Injury (OPTIMAL-AKI)</i>
	Allan Garland/Clare Ramsey University of Manitoba	<i>Sex Differences in admission to intensive care units: the role of social support factors</i>
Core 2013	Henry Stelfox University of Calgary	<i>Reengineering the Discharge of Elderly Patients from Intensive Care</i>

Acute Care and Critical portfolio

Program	Lead	Title
Catalyst 2013	Heather Keller University of Waterloo	<i>Nutrition Care Pathway for Hospitalized Older Adults: Content validation and feasibility testing</i>
	Karen Burns St-Michael's Hospital	<i>Screening Elderly Patients For Inclusion in a Weaning Trial: The SENIOR Trial</i>
	Richard Sawatzky Trinity Western University	<i>Integrating quality of life assessments into acute care for older adults with chronic life-limiting illness</i>
Catalyst 2014	Michelle Kho McMaster University	<i>E-CYCLE: a pilot randomized clinical trial of early in-bed cycling in elderly, mechanically-ventilated patients</i>
	Rachel Khadaroo University of Alberta	<i>Elder-friendly approaches to the surgical environment using biological samples to identify and provide optimized care (EASE-BIO)</i>

Acute Care and Critical portfolio

Program	Lead	Title
KS 2013	Donna Ouchterlony St-Michael's Hospital	<i>Assessing Quality of Life (QoL) Measures for Elderly Traumatic Brain Injury (TBI) Survivors: A Systematic Review</i>
	Richard Sawatzky Trinity Western University	<i>Patient- and family-reported experience and outcome measures for elderly acute care patients: A knowledge synthesis</i>
	Lisa Burry University of Toronto	<i>Antipsychotics for management of delirium – A systematic review</i>
	Susan Baptiste McMaster University	<i>A Scoping Review Determining the Current and Future Role of Occupational Therapy in the ICU</i>
SD 2013	John Muscedere Queen's University	<i>Outcome and Research Priorities in Intensive Care Studies (OPTICS) Program</i>

Acute Care and Critical portfolio

Program	Lead	Title
Strategic 2014	John Hirdes/Paul Hébert University of Waterloo	<i>Care of frail, acutely ill older persons: making health care work like a system</i>
	Robin Urquhart/Fred Burge Dalhousie University	<i>Helping the primary care system identify, plan and care for seriously ill, frail elderly</i>

Acute and Critical Care

- General themes that arise from TVN funding so far:
 1. Interventions in acute care settings
 2. Patient-centered outcomes
 3. Small substudies

Acute and Critical Care Challenges & Opportunities

Strengths

- Rich portfolio of projects
- Engaged multidisciplinary Research community

Opportunities

- Change the trajectory of care
- Functional arranged marriages
- Health systems partners

Weaknesses

- Silos, limited /interdisciplines
- No systems integration
- No common language

Threats

- Too few funding partners
- Divorces
- Inability to focus on key issues

Acute and critical care Future Directions

- 1. Finding the common thread**
- 2. Being ambitious enough**
- 3. Arranging the right marriages**
- 4. Getting decision makers engaged**

RESEARCH THEME SPOTLIGHT

Acute and critical care

1. Reengineering the discharge of elderly patients from intensive care

Tom Stelfox, University of Calgary

2. Sex differences in admission to intensive care units: the role of social support factors

Clare Ramsay, University of Manitoba