



## CURRICULUM VITAE

### I. BIOGRAPHICAL DATA

Name: Henry Thomas Stelfox  
Address: Department of Critical Care Medicine Administrative Offices  
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Present Position: Associate Professor  
University of Calgary  
Scientific Director, Critical Care Strategic Clinical Network, Alberta  
Health Services  
Director Research & Innovation, Department of Critical Care Medicine,  
University of Calgary and Alberta Health Services  
Deputy Department Head, Department of Critical Care Medicine, Alberta  
Health Services

Date/Place of Birth: August 23, 1971, Edmonton, Canada  
Languages: English, French (intermediate), Polish (Intermediate) [spoken & written]

### II. ACADEMIC RECORD

Final Degree: PhD  
Date Completed: 2004  
Speciality: Health Policy  
Institution: Harvard University, Cambridge, USA

- i) Undergraduate  
BMSc Biochemistry, University of Alberta, 1993
- ii) Special Professional  
MD Distinction & Honours in Research, University of Alberta, 1995  
Residency Internal Medicine, University of Toronto, 1998  
Chief Residency Sunnybrook Hospital, University of Toronto, 1999  
Fellowship Anaesthesia and Critical Care, Massachusetts General Hospital, 2004
- iii) Graduate and post-doctoral



PhD Health Policy, Faculty of Arts & Science, Harvard University, 2004  
Post-Doc Fellowship Anaesthesia and Critical Care, Massachusetts General Hospital, 2006

iv) Licensure, certification and boards (e.g. FRCPC)

Board Certifications:

1997 Licentiate of the Medical Council of Canada  
1997 Federation of State Medical Licensing Boards Certification (Steps I to III)  
1998 Internal Medicine Certification, American Board of Internal Medicine  
1999 Internal Medicine Fellowship, Royal College of Physicians & Surgeons of Canada  
2006 Critical Care Medicine Fellowship, Royal College of Physicians & Surgeons of Canada

Medical Licenses:

1999-2006 Ontario, Canada  
2005-2007 Commonwealth of Massachusetts, U.S.A  
2006-present Alberta, Canada

V) Continuing Professional Development

2016 Leadership Course, Institute for Public Health, University of Calgary  
2016 Media Training, Calgary Physicians Association  
2016-2017 Leadership Program, Cumming School of Medicine – Haskayne School of Business, University of Calgary

### III. AWARDS AND DISTINCTIONS

1990 Research Studentship, Alberta Heritage Foundation for Medical Research  
1990 Canadian Polish Congress Prize in Polish Language, University of Alberta  
1990 Edmonton Campus Award, University of Alberta  
1991 Dr. A.J. Pauly Bursary in Medicine, University of Alberta  
1991 Louise McKinney Post-Secondary Scholarship, University of Alberta  
1992 Research Studentship, Alberta Heritage Foundation for Medical Research  
1993 Research Studentship, Alberta Heritage Foundation for Medical Research  
1997 DH Cowan Teaching Award, Sunnybrook & Women's College Hospital  
1998 Resident and Fellow Research Award, the Toronto Hospital  
1998 Clinical Research Award, Mount Sinai Hospital  
1999 Clinical Research Award, Sunnybrook & Women's College Hospital  
1999 DH Cowan Teaching Award, Sunnybrook & Women's College Hospital  
1999-2003 Clinician Scientist Award, University of Toronto  
1999-2003 Fellowship, Canadian Institutes of Health Research  
1999-2003 Fulbright Scholarship  
1999-2001 Full Tuition Scholarship, Harvard University  
2001 Graduate Society Summer Award for Research, Harvard University  
2001-2003 Walker Fellowship, Harvard Medical School



2003	Mack Lipkin Sr. Associate Award, Society of General Internal Medicine
2003	C. Hollenberg Clinician-Scientist Research Prize, University of Toronto
2004	Clinical Trainee Award in Critical Care, The Chest Foundation
2005-2006	Fellowship, Canadian Institutes of Health Research
2009-2014	New Investigator Award, Canadian Institutes of Health Research
2010-2017	Population Health Investigator, Alberta Innovates
2012	Graduate Students' Association Supervisory Excellence Award
2012	2011 Rotating Resident Teaching Award, Department of Critical Care Medicine, University of Calgary & Alberta Health Services
2012	Cochrane Distinguished Achievement Award, Faculty of Medicine, University of Calgary
2013-2014	Research Mentorship Award, Department of Critical Care Medicine, University of Calgary and Alberta Health Services
2015	Excellence in Health Services Research Award, Department of Critical Care Medicine, University of Calgary and Alberta Health Services.
2015	Peak Scholar in Entrepreneurship, Innovation, and Knowledge Engagement, University of Calgary
2016	Best Paper Award, Trauma Association of Canada
2016-2020	Embedded Clinician Researcher Salary Award, Canadian Institutes of Health Research
2017	Deborah J. Cook Mentorship Award, Canadian Critical Care Trials Group
2017	O'Brien Mid-Career Research Leader Award, O'Brien Institute for Public Health

#### IV. ACADEMIC APPOINTMENTS

2017 –	Professor, Critical Care Medicine, Medicine and Community Health Sciences, University of Calgary (effective July 1, 2017)
2013 – 2017	Associate Professor, Critical Care Medicine, Medicine and Community Health Sciences, University of Calgary
2007 – 2013	Assistant Professor, Critical Care Medicine, Medicine and Community Health Sciences University of Calgary
2006 – 2007	Clinical Scholar, Critical Care Medicine, University of Calgary
2005 – 2006	Physician, Anaesthesia and Critical Care, Massachusetts General Hospital
1999 – 2004	Physician, General Medicine, Sunnybrook Hospital
Other:	
2017	Visiting Professor, Nanyang Technological University
2017	Visiting Professor, Mayo Clinic
2016	Visiting Professor, McMaster University
2015	Visiting Professor, University of Edinburgh
2014 – 2015	Visiting Fellow, London School of Hygiene & Tropical Medicine
2014 – 2015	Visiting Professor, Intensive Care National Audit & Research Centre
2011	Visiting Professor, University of Toronto



## V. EDUCATIONAL ACTIVITIES

### i) UNDERGRADUATE

#### Primary Supervisor:

- 07/2009- 06/2010 Robert Morgan, Medical School, Faculty of Medicine  
Project Topic: Liquorice and hypertension
- 09/2009-04/2010 Niklas Bobrovitz, BHSc, Faculty of Medicine  
Project Topic: Quality indicators in trauma care
- 09/2010-04/2011 Niklas Bobrovitz, BHSc Honours Thesis, Faculty of Medicine  
Project Topic: Developing an instrument to measure patient/family experiences with injury care
- 09/2011-05/2012 Carmen Cooper, BSc, Faculty of Kinesiology  
Project Topic: A comparison of quality improvement practices at adult and paediatric trauma centres
- 09/2015-04/2016 Kyla Brown, BHSc, Faculty of Medicine  
Project Topic: Textual analysis of communication in medical records
- 09/2015-06/2016 Chloe de Grood, BSc, Faculty of Science  
Project Title: Transitions of care from the intensive care unit to home

#### Summer Student Supervisor:

- 05/2011-08/2011 Sharp, Colleen
- 07/2012-08/2012 Sharp, Colleen
- 06/2013-08/2013 Taylor, Simon
- 05/2014- 08/2014 Cosic, Nela
- 05/2014-08/2014 Van Lindenberg, Lara
- 05/2016-07/2016 Archibold, Katherine
- 05/2016-08/2016 Kamran, Hasham
- 06/2016-08/2016 Ali, Asma

#### Course Instruction:

- 2009-2010 Student supervisor, HSOC 408 Health Research Methods, University of Calgary

### ii) GRADUATE

#### Primary Supervisor:

- 09/2009 – 04/2012 Daniel Niven, MMSc, Dept. Critical Care Medicine, University of Calgary. Thesis: Assessment of the safety and feasibility of administering anti-pyretic therapy in critically ill adults: a randomized controlled trial (Kevin Laupland co-supervisor)
- 09/2010 – 04/2012 Dan Lane, MSc, Dept. Community Health Sciences, University of Calgary. Thesis: Best practice recommendations for patient care rounds in the intensive care unit: a review of current practices, facilitators and barriers
- 07/2011- 07/2013 Shaun Hosein, MMSc, Dept. Critical Care Medicine, University of



- Calgary. Thesis: Development of a risk stratification tool for patients discharged from intensive care
4. 09/2011- 12/2013 Niklas Bobrovitz, MSc, Dept. Community Health Sciences, University of Calgary. Thesis: Validation of a patient and family satisfaction instrument for injury care
  5. 09/2011- 06/2015 Mauricio Ferri, MSc, Dept. Community Health Sciences, University of Calgary. Thesis: Performance evaluation of the Foothills Medical Centre McCaig Tower new Intensive Care Unit: A quality improvement approach
  6. 09/2011- 04/2014 Simon Berthelot, MSc, Dept. Community Health Sciences, University of Calgary. Thesis: Development of a standardized mortality ratio for emergency sensitive conditions
  7. 06/2012 – 06/2015 Derek Roberts, PhD, Dept. Community Health Sciences, University of Calgary. Thesis: Developing consensus indications for damage control in civilian trauma patients (David Zygun co-supervisor)
  8. 09/2012 – 06/2015 Jessalyn Holodinsky. MSc, Dept. Community Health Sciences, University of Calgary. Thesis: Evaluating Patient Care Rounds in the Intensive Care Unit
  9. 09/2012 – 12/2015 Daniel Niven, PhD, Dept. Community Health Sciences, University of Calgary. Thesis: Developing improved methods of knowledge translation in Critical Care (Sharon Straus co-supervisor)
  10. 09/2012 -12/2016 Jaime Bastos, MSc, Dept. Community Health Sciences, University of Calgary. Thesis: Evaluating the impact of ICU outreach on death and readmission following patient discharge from ICU
  11. 09/2013 – 06/2015 Selena Au, MSc Non-Thesis, Institute of Health Policy, Management and Evaluation, University of Toronto. Topic: Role of Families During Patient Care Rounds in the ICU (co-supervisor)
  12. 09/2014 - Present Jamie Boyd, MSc, Dept. Community Health Sciences, University of Calgary. Thesis: Risk Stratification Tools for Predicting Adverse Events in Adults after Discharge from Intensive Care Units: A Validation Study
  13. 09/2014 - 12/2016 Guosong Wu, PhD, Dept. Community Health Sciences, University of Calgary. Thesis: The Development of Patient Safety Indicators for Critically Ill Patients Admitted to the Intensive Care Unit (Hude Quan co-supervisor)
  14. 09/2016 – Present Kyla Brown, MSc., Dept. Community Health Sciences, University of Calgary. Thesis: Evaluate of the association between the diagnosis of delirium in the intensive care unit and subsequent diagnosis of new neuropsychiatric disorders

Secondary Supervisor (thesis committee member):

1. 09/2006 - 11/2007 Ulrike Dehaeck, MSc, Dept. Community Health Sciences, University of Calgary. Thesis: A study of differential outcomes between sexes in the clinical course of multiple organ dysfunction (Primary supervisor Chip Doig)
2. 07/2009 – 06/2013 Juan Posadas, MMSc, Dept. Critical Care Medicine, University of



3. 09/2014 - Present Calgary. Thesis: Development of a clinical decision rule for sepsis based on PIRO (Primary supervisor Chip Doig)  
Lesley Soril, PhD, Dept. Community Health Sciences, University of Calgary. Thesis: Optimizing transfusions practices in critical care medicine.
4. 04/2016 – Present Khaloud Abdallah Salim Al-Bahri, MMSc, Dept. Surgery, University of Calgary. Thesis: Nutritional status of head and neck cancer surgery patients (Primary supervisor John Kortbeek)
5. 04/2016 – Present Omar Mohammed Hamed Al-Busaidi, MMSc, Dept. Surgery University of Calgary. Thesis: Complications of acute care surgery (Primary supervisor Wayne Matthews)
6. 04/2017 – Present Amy Shafey, MSc, Clinical Epidemiology, University of Toronto. Thesis: A qualitative study of experiences of fathers of preterm infants in a family integrated care program as compared to fathers not in a program (Primary supervisor Vibhuti Shah)

#### Examiner:

1. 05/2007 External Examiner, Deirdre Hennesy, PhD Candidacy Exam, Dept. Community Health Sciences, University of Calgary
2. 05/2007 Internal Examiner, Khaled Shamseddin, Dept. Critical Care Medicine, University of Calgary, Clinical Training Evaluation
3. 05/2007 External Examiner, Deirdre Hennesy, PhD Candidacy Exam, Dept. Community Health Sciences, University of Calgary
4. 07/2012 External Examiner, Robin Walker, PhD Candidacy Exam, Dept. Community Health Sciences, University of Calgary
5. 06/2014 External Examiner, Stephanie Coward, MSc Thesis Defence, Dept. Community Health Sciences, University of Calgary
6. 12/2015 External Examiner, Rebekah Oglivie, PhD Thesis Defence, University of Sydney
7. 03/2016 External Examiner, Lesley Soril, PhD Oral Candidacy Exam, University of Calgary
8. 05/2016 External Examiner, Amelie Boutin, PhD Thesis Defence, Faculté des études supérieures et postdoctorales, Université Laval.
9. 06/2016 External Examiner, Giovanni Tagliabue, PhD Oral Candidacy Examination, University of Calgary
10. 12/2016 External Examiner, Kelvin Leung, MSc Thesis Defence, Dept. Medicine, University of Calgary
11. 03/2017 External Examiner, Shannon Goddard, PhD Thesis Defence, Institute of Health Policy, Management & Evaluation, University of Toronto

#### Course Instruction:

1. 2007 - Present Co-instructor, Basic Biostatistics, MDSC 623.02, University of Calgary
2. 2010 – Present Co-instructor, Patient Safety & Quality Management, Office of Continuing Medical Education, University of Calgary



3. 2011 Guest Lecturer, Masters of Trauma Sciences, Queen Mary University of London
  4. 2011 - Present Co-instructor, Systematic Reviews & Meta-analysis, MDCH 741, University of Calgary
  5. 2012 Guest Lecturer, Applied Quality Improvement, Healthy Populations, MDCN 340, University of Calgary
  6. 2013- 2015 Course Coordinator, Academic Project Seminar Series, University of Calgary
- iii) POSTGRADUATE (HEALTH PROFESSIONAL & DOCTORAL RESEARCH FELLOWS)
1. 09/2007 – 06/2007 Eric Camiré, Health Professional, Dept. Critical Care Medicine  
Research Topic: Medication Errors
  2. 09/2007 – 06/2008 Eric Moyen, Health Professional, Dept. Critical Care Medicine  
Research Topic: Medication Errors
  3. 08/2008 - 06/2010 Pin Li, Health Professional, Dept. Medicine  
Research Topic: Transitions of care from the intensive care unit (Bill Ghali co-supervisor)
  4. 07/2010 – 06/2013 Selena Au, Health Professional, Dept. Critical Care Medicine  
Research Topic: Role of families during patient care rounds in the ICU
  5. 09/2010 - 08/2011 Mauricio Ferri, Health Professional, Dept. Critical Care Medicine  
Research Topic: Post occupancy evaluation of a new intensive care unit
  6. 09/2010 - 03/2013 Maria Santana, Postdoctoral Fellow, Dept. Community Health Sciences  
Research Topic: Developing measures of trauma care quality (Bill Ghali co-supervisor)
  7. 09/2011 - 06/2012 Jaime Bastos, Health Professional, Dept. Critical Care Medicine  
Research Topic: Unplanned ICU admissions: a quality improvement Opportunity, Dept. Critical Care Medicine
  8. 09/2013 – 06/2014 Paul Campsall, Health Professional, Dept. Critical Care Medicine  
Research Topic: Conflicts of interest in clinical practice guideline development
  9. 01/2015 – 05/2015 Jeanna Parsons Leigh, Postdoctoral Fellow, Werklund School of Education, Research Topic: Reengineering the Discharge of Elderly Patients from Intensive Care (Tom Ricento co-supervisor)
  10. 06/2016-Present Khara Sauro, Postdoctoral Fellow, Department of Critical Care Medicine  
Research Topic: Knowledge translation in critical care medicine
- iv) FACULTY MENTORSHIP
1. 04/2013 – 07/2014 Shelly Russell-Mayhew, Associate Professor, Counselling Psychology, Institute for Public Health Mentorship Program
  2. 05/2013 – 07/2014 Kerry McBrien, Assistant Professor, Family Medicine, Institute for Public Health Mentorship Program
  3. 07/2014 – Present Selena Au, Clinical Assistant Professor, Department of Critical Care Medicine, University of Calgary
  4. 07/2014 – Present Simon Berthelot, Assistant Professor, Centre de Recherche due Chu de Québec, Université Laval



5. 08/2015 – Present Amanda Roze des Ordon, Clinical Assistant Professor, Department of Critical Care Medicine, University of Calgary
  6. 10/2015 – Present Sachin R Pendharkar, Assistant Professor, Department of Medicine, University of Calgary
  7. 10/2015 – Present Jeanna Parsons Leigh, Research Professor, Department of Critical Care Medicine, University of Calgary
  8. 04/2016 – Present Dan Niven, Assistant Professor, Department of Critical Care Medicine, University of Calgary
  9. 04/2016 – Present Kirsten Fiest, Assistant Professor, Department of Critical Care Medicine, University of Calgary
  10. 07/2016- Present Elaine Gilfoyle, Clinical Assistant Professor, Department of Paediatrics, University of Calgary
- v) CONTINUING MEDICAL EDUCATION (Presentations)
1. May 2007 Morbidity & Mortality Conference, Department of Critical Care Medicine, University of Calgary
  2. 2008 Morbidity & Mortality Conference, Department of Critical Care Medicine, University of Calgary
  3. 2009 Morbidity & Mortality Conference, Department of Critical Care Medicine, University of Calgary
  4. January 2009 Advanced Electrolyte Disorders: The Forgotten Electrolytes, Department of Critical Care Medicine, University of Calgary
  5. May 2009 Surrogate Decision Making/Withdrawal of Care in the ICU, Department of Critical Care Medicine, University of Calgary
  6. May 2009 Hepatic Failure, Department of Critical Care Medicine, University of Calgary
  7. 2010 Co-instructor, Certificate in Patient Safety & Quality, University of Calgary
  8. March 2010 Morbidity & Mortality Conference, Department of Critical Care Medicine, University of Calgary
  9. July 2010 Advanced Electrolyte Disorders: The Forgotten Electrolytes, Department of Critical Care Medicine, University of Calgary
  10. September 2010 Critical Care Clinical Network Fall Retreat, Alberta Health Services
  11. October 2010 Morbidity & Mortality Conference, Department of Critical Care Medicine, University of Calgary
  12. October 2010 Hepatic Failure, Department of Critical Care Medicine, University of Calgary
  13. October 2010 Sepsis, Department of Critical Care Medicine, University of Calgary
  14. December 2010 Sepsis, Department of Critical Care Medicine, University of Calgary
  15. March 2011 Anaemia & haemolysis in the ICU, CaNMEDS Seminar, University of Calgary
  16. May 2011 Acute Renal Failure, Department of Critical Care Medicine, University of Calgary
  17. June 2011 Acute Renal Failure, Department of Critical Care Medicine, University of Calgary





18. October 2011 Head Injury, Department of Critical Care Medicine, University of Calgary
19. October 2011 Morbidity & Mortality Conference, Department of Critical Care Medicine, University of Calgary
20. November 2011 Acute defects in haemostasis, Department of Critical Care Medicine, University of Calgary
21. January 2012 Acute Renal Failure, Department of Critical Care Medicine, University of Calgary
22. February 2012 Developing Quality Indicators When There is Limited Evidence: The Example of Injury Care”, KT Canada National Seminar Series
23. February 2012 Head Injury, Department of Critical Care Medicine, University of Calgary
24. April 2012 Morbidity & Mortality Conference, Department of Critical Care Medicine, University of Calgary
25. April 2012 Quality Improvement in the ICU: A Potpourri of Opportunities, Department of Critical Care Medicine, University of Calgary
26. July 2012 Co-instructor, Academic Project Session 2: Project Types and Career Streams, University of Calgary
27. August 2012 Co-instructor, Academic Project Session 3: Ethics (Health and Outcomes/Education), University of Calgary
28. August 2012 Head Injury, Department of Critical Care Medicine, University of Calgary
29. September 2012 Co-instructor, Certificate in Patient Safety & Quality, University of Calgary
30. October 2012 Metavision: The ICU Computer System, Department of Critical Care Medicine, University of Calgary
31. October 2012 Intra-aortic Balloon Support for Myocardial Infarction with Cardiogenic Shock, Journal Club Presentation, Department of Critical Care Medicine
32. March 2013 Acute Respiratory Failure, Department of Critical Care Medicine, University of Calgary
33. April 2013 Morbidity & Mortality Conference, Department of Critical Care Medicine, University of Calgary
34. July 2013 Instructor, Ethics (Outcomes Based Research), Academic Project Seminar Series, University of Calgary
35. October 2013 Morbidity & Mortality Conference, Department of Critical Care Medicine, University of Calgary
36. January 2014 Delirium, Department of Critical Care Medicine, University of Calgary
37. February 2014 Peri-operative Management of the ICU Patient, Department of Critical Care Medicine, University of Calgary
38. May 2014 Delirium, Department of Critical Care Medicine, University of Calgary
39. May 2014 Morbidity & Mortality Conference, Department of Critical Care Medicine, University of Calgary
40. June 2014 Head Injury, Department of Critical Care Medicine, University of Calgary



41. July 2014 Acute Respiratory Failure, Department of Critical Care Medicine, University of Calgary
42. August 2015 Shock, Department of Critical Care Medicine, University of Calgary
43. August 2015 Co-Instructor, Academic Project Series – Mentorship & the AP Block, Department of Critical Care Medicine, University of Calgary
44. August 2015 Cardiac Dysrhythmias, Department of Critical Care Medicine, University of Calgary
45. August 2015 Co-Instructor, Academic Project Series – Feasibility, Department of Critical Care Medicine, University of Calgary
46. September 2015 Advanced Electrolyte Disorders, Department of Critical Care Medicine, University of Calgary
47. October 2015 Co-instructor, Certificate in Patient Safety & Quality, University of Calgary
48. October 2015 Driving Pressure and Survival in Acute Respiratory Distress Syndrome, Journal Club Presentation, Department of Critical Care Medicine
49. October 2015 Morbidity & Mortality Conference, Department of Critical Care Medicine, University of Calgary
50. November 2015 Delirium, Department of Critical Care Medicine, University of Calgary
51. December 2015 Acute Renal Failure, Department of Critical Care Medicine, University of Calgary
52. May 2016 Mind the Gap: Translating Clinical Research into Better Patient Care, Grand Rounds, Department of Critical Care Medicine, University of Calgary.
53. May 2016 Morbidity & Mortality Conference, Department of Critical Care Medicine, University of Calgary
54. June 2016 Acute Renal Failure, Department of Critical Care Medicine, University of Calgary
55. August 2016 Acute Respiratory Failure, Department of Critical Care Medicine, University of Calgary
56. August 2016 Co-Instructor, Transfusion Medicine I, Department of Critical Care Medicine, University of Calgary
57. November 2016 Morbidity & Mortality Conference, Department of Critical Care Medicine, University of Calgary
58. January 2017 Co-Instructor, Transfusion Medicine II, Department of Critical Care Medicine, University of Calgary
59. January 2017 Head Injury, Department of Critical Care Medicine, University of Calgary
60. March 2017 Acute Respiratory Failure, Department of Critical Care Medicine, University of Calgary
61. April 2017 Clinicopathological Conference Rounds, Department of Critical Care Medicine, University of Calgary
62. May 2017 Acute Renal Failure, Department of Critical Care Medicine, University of Calgary



## SUMMARY OF RESEARCH TRAINEES

Name	Program	Dates of Training	Research Awards	Presentations	Published Abstracts	Publications*	Current Position
Chiasson, Carter	UGS	05/2007-06/2009	0	1	1	1	Medical Student
Camiré, Eric	CF	09/2007-06-2008	0	0	0	2	Physician, Hotel-Dieu de Quebec Département d'anesthésiologie
Moyen, Eric	CF	09/2007-06-2008	0	0	0	2	Physician, Hotel-Dieu de Quebec Département d'anesthésiologie
Li, Pin	CF	08/2008-06/2010	1	0	0	2	Clinical Assistant Professor, University of Calgary
Morgan, Robert	UGS	07/2009-06/2010	0	0	0	1	Resident, Royal London Hospital
Niven, Dan	MSc & PhD	09/2009-12/2015	10	4	7	12	Assistant Professor, University of Calgary
Bobrovitz, Nik	UGS & MSc	09/2009-12/2013	6	14	10	9	DPhil Student, University of Oxford
Au, Selena	CF & MSc	07/2010-06/2014	2	4	2	1	Clinical Assistant Professor, University of Calgary
Lane, Dan	MSc	09/2010-04/2012	4	5	4	3	PhD Student, University of Toronto
Santana, Maria	PDF	09/2010-03/2013	0	7	8	7	Assistant Professor, University of Calgary
Ferri, Mauricio	CF & MSc	09/2010-06/2015	1	3	6	5	Consultant for the Centre for Tropical Medicine and Global Health, University of Oxford
Hosein, Shaun	MSc	07/2011-07/2013	1	1	0	2	Registrar, the University of Queensland
Cooper, Carmen	UGS	09/2011-05/2012	1	1	1	1	Student, University of Calgary
Berthelot, Simon	MSc	09/2011-04/2014	10	11	3	7	Professor of Medicine, University of Laval
Roberts, Derek	PhD	06/2012-06/2015	6	5	2	16	Surgery Resident, University of Calgary
Bastos, Jaime	CF & MSc	09/2011-12/2016	0	0	0	3	Student, University of Calgary
Holodinsky, Jessalyn	MSc	09/2012-06/2015	2	2	0	4	PhD Student, University of Calgary
Campsall, Paul	CF	09/2013-06/2014	0	2	0	1	Physician, Kamloops, British Columbia
Boyd, Jamie	MSc	09/2014-present	2	1	0	7	Student, University of Calgary
Wu, Guosong	PhD	09/2014-present	6	1	0	0	Student, University of Calgary and Harbin Medical University
Parsons Leigh, Jeanna	PDF	01/2015-05/2015	1	0	0	5	Assistant Scientific Director, Alberta Health Services
Brown, Kyla	UGS & MSc	09/2015-present	1	0	0	1	Student, University of Calgary
de Grood, Chloe	UGS	09/2015-06/2016	0	1	0	0	Student, University of Calgary
Sauro, Khara	PDF	06/2016-present	4	0	0	0	Postdoctoral Fellow, University of Calgary

\*Supervision of trainee-led research awards, presentations, published abstracts and peer-reviewed publications (published or in press)

Note: CF - Clinical Fellow, PDF - Postdoctoral Fellow, UGS - Undergraduate Student, MSc - Masters Student, PhD - PhD Candidate



## MENTORED TRAINEE AWARDS

1. Development of an ICU transfer communication protocol, Department of Medicine, University of Calgary. \$20,000, Pin Li. February 2011.
2. Markin Undergraduate Student Research Program in Health & Wellness award, University of Calgary. \$6,400, Nik Bobrovitz. March 2011.
3. The Health Quality Council of Alberta Studentship award. \$6,400, Dan Lane. April 2011.
4. Bourse McLaughlin du doyen, Laval University. \$30,000, Simon Berthelot. April 2011.
5. New Investigator/Student Scholarship, International Society for Quality of Life Research. \$1,000, Nik Bobrovitz. August 2011.
6. Scholarship, Western Regional Training Centre for Health Services Research. \$5,000, Simon Berthelot. September 2011.
7. Annual Scientific Award, Society of Critical Care Medicine. \$750, Selena Au. October 2011.
8. Markin Undergraduate Student Research Program in Health & Wellness award, University of Calgary. \$4,000, Carmen Cooper. October 2011.
9. Alberta Graduate Student Scholarship for outstanding academic achievement in a Master's program, Department of Medical Sciences, University of Calgary. \$3,000, Daniel Niven. 2011.
10. Graduate Student Travel Award, University of Calgary. Daniel Lane. 2011.
11. Graduate Student Award, Department of Medical Sciences, University of Calgary. \$2,050, Daniel Niven. 2011.
12. Academic Productivity Research Award, Department of Medical Sciences, University of Calgary. \$1,000, Daniel Niven.
13. Research Grant for "Development of an In-Hospital Standardized Mortality Ratio for Emergency-Sensitive Conditions". Department of Emergency Medicine, University of Calgary. \$5,000, Simon Berthelot. 2012.
14. Research Grant for "Development of an In-Hospital Standardized Mortality Ratio for Emergency-Sensitive Conditions". Bourse de recherche à la relève, Department of Family Medicine and Emergency Medicine, Université Laval. \$5,000, Simon Berthelot. 2012
15. Graduate Student Travel Award, University of Calgary. Daniel Lane. 2012.
16. Medical Science Travel Award. University of Calgary. Daniel Lane. 2012.
17. The Health Quality Council of Alberta Studentship award. \$6,400, Nik Bobrovitz. April 2012.
18. Knowledge Translation Canada STIHR Fellowship Award. \$40,000, Daniel Niven. April 2012.
19. Research Training Award, Fonds de recherche en santé du Québec. \$78,646, Simon Berthelot. April 2012.
20. Student Research Stipend, Knowledge Translation Canada. \$15,000, Daniel Niven. May 2012.
21. Achievers in Medical Science Graduate Recruitment Award, University of Calgary. \$25,000, Daniel Niven. May 2012.
22. Fellowship, Richard J. Schmeelk Foundation. \$35,000, Simon Berthelot. May 2012.
23. Clinician Fellowship Award, Alberta Innovates - Health Solutions. \$225,000, Daniel Niven. June 2012.
24. Graduate Studentship Award. Alberta Innovates - Health Solutions. \$32,000, Nik Bobrovitz. June 2012.
25. First place in the AMUQ annual research Competition. \$1,000, Simon Berthelot. November 2012.



26. Top ranked Abstract for “Development of a New Indicator measuring In-Hospital Mortality of Patients with Emergency-Sensitive Conditions”, Canadian Association of Emergency Physicians 2013 Annual Conference. Simon Berthelot. March 2013.
27. Alberta Graduate Student Scholarship, University of Calgary. \$3,000, Nik Bobrovitz. March 2013.
28. Alberta Graduate Student Scholarship. University of Calgary. \$3,000, Shaun Hosein. March 2013.
29. Alberta Academic Achievement Scholarship, University of Calgary. \$3,000, Mauricio Ferri. March 2013
30. Community Health Sciences Prize for Academic Excellence, University of Calgary. Derek Roberts. April 2013.
31. Fellowship, Knowledge Translation (KT) Canada Strategic Training Initiative in Health Research (STIHR). \$80,000, Derek Roberts. April 2013.
32. Student Research Stipend, Knowledge Translation (KT) Canada. \$15,000, Derek Roberts. April 2013.
33. Travel Scholarship, Knowledge Translation (KT) Canada Summer Institute in KT funding. Derek Roberts. April 2013.
34. Health Services Research Scholarship, W21C. \$30,000, Jessalyn Holodinsky. October 2013.
35. Health Services Research Scholarship Career Allowance, W21C. \$3,000, Jessalyn Holodinsky. October 2013.
36. Health Services Research Scholarship Stipend, W21C. \$30,000, Jamie Boyd. October 2013.
37. Health Services Research Scholarship Career Allowance, W21C. \$3,000, Jamie Boyd. October 2013.
38. Clarendon Fund Scholarship, University of Oxford. ~\$180,000, Nik Bobrovitz. October 2013.
39. Alumnus of the Year Award, Dalhousie Medical School. Derek Roberts. May 2014.
40. Community Health Sciences nominee for the Governor General’s Gold Medal for Master’s students. Simon Berthelot. June 2014.
41. J.B. Hyne Research Innovation Award. \$500, Daniel Niven. July 2014.
42. Chancellor’s Graduate Medal. Simon Berthelot. November 2014.
43. Alfred Soffer Research Award Semifinalist. Daniel Niven. September 2014.
44. Scholarship, Western Regional Training Centre for Health Services Research (WRTC). \$17,850, Guosong Wu. September 2014.
45. Awarded Alberta Society of Intensive Care Physicians (ASICP) Education Meeting Trainee Competition best abstract and best presentation for “The Effect of Published Scientific Evidence on Glycemic Control in Adult Intensive Care Units”. Daniel Niven. January 2015.
46. 2015 PhD academic forum of China excellent abstract entitled “The association of patient safety culture and safety behaviour with safety performance in hospital: a cross-sectional study”. Guosong Wu. November 2015.
47. Graduate Student Travel Award, University of Calgary \$1000. Guosong Wu. December 2015.
48. 2015 Clinician Investigator Program Research Award for research paper entitled “Indications for Use of Damage Control Surgery in Civilian Trauma Patients”, University of Calgary. Derek Roberts. February 2016.
49. Star Research Achievement Award for abstract entitled “Determining Best Practices for Family Participation in ICU Rounds”, Society of Critical Care Medicine. \$100, Selena Au. February 2016.



50. Community Health Sciences Graduate Education Program Scholarship Award, University of Calgary. \$3,000. Guosong Wu, March 2016.
51. Health Services Research Scholarship, W21C. \$30,000. Guosong Wu, March 2016.
52. Health Services Research Scholarship Research and Career Allowance, W21C. \$2,000. Guosong Wu, March 2016.
53. Health Services Research Scholarship, W21C. \$30,000. Kyla Brown, March 2016.
54. Health Services Research Scholarship Research and Career Allowance, W21C. \$2,000. Kyla Brown, March 2016.
55. Rising Star Award, Canadian Institutes of Health Research, Institute of Health Services and Policy Research. \$1,000. Dan Niven. April 2016.
56. Bourses De Chercheurs Boursier Clinicien Junior 1 - Volet Santé et Société, Fonds de Recherche Santé. \$148,772. Simon Berthelot. April 2016.
57. Canada's Top 40 Under 40. Derek Roberts, November 2016.
58. Cumming School of Medicine Postdoctoral Scholarship. \$25,000/year. Khara Sauro, 2017-2019.
59. Queen Elizabeth II Graduate Scholarship. \$10,800. Kyla Brown. May 2017.
60. Health Services Research Scholarship Fellowship Stipend, W21C. \$50,000. Khara Sauro, March 2017.
61. Health Services Research Scholarship research and career allowance, W21C. \$5,000. Khara Sauro. March 2017.
62. Fellowship Award. Canadian Institutes of Health Research (ranked #1 out of 136 applicants in health services research & ranked #2 out of 1,047 applicants overall). \$80,000. Khara Sauro. April 2017.
63. Educational Travel Award, Canadian Critical Care Trials Group. \$500. Khara Sauro. May 2017

## VI. ADMINISTRATIVE RESPONSIBILITIES

### i. DEPARTMENTAL

1998 – 1999	Member, Education Council, Department of Medicine, Sunnybrook Health Science Centre
1998	Co-Chair, Intern Orientation, Department Medicine, University of Toronto
2006 – 2014	Member, Research Executive, Critical Care Medicine
2008 – 2014	Member, Graduate Education Committee, Critical Care Medicine
2008 – 2014	Member, Resident Research Committee, Department of Medicine
2012	Committee Member, Faculty Recruitment to Department of Community Health Sciences Baay Chair, University of Calgary
2016	Committee Member, Search & Selection for the Department of Community Health Sciences Health Policy Research & Patient Engagement tenure-track position, University of Calgary
2016 – Present	Director, Research & Innovation, Department of Critical Care Medicine
2017 – Present	Deputy Department Head, Department of Critical Care Medicine

### ii. FACULTY

2011 – 2013	Chair, Health Care System Performance Improvement Research
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2011 – 2013 Subgroup, Institute for Public Health, University of Calgary  
Member, Executive, Institute for Public Health, University of Calgary  
2011 – Present Member, W21C Leadership Team, University of Calgary  
2012 – 2013 Committee Member, Search & Selection for the Department of Critical Care Medicine Head, University of Calgary & Alberta Health Services  
2017 Chair, Search and Selection Committee for Department of Critical Care Medicine Clinician-Health Services Researcher

iii. UNIVERSITY

2014 – 2015 Member, Advisory Committee on Knowledge Engagement, University of Calgary

iv. PROVINCIAL HEALTH AUTHORITY

2009 Member, Alberta Health Services Quality Measures Consultation Session  
2013 – Present Scientific Director, Critical Care Strategic Clinical Network, Alberta Health Services  
2013 – Present Member, Leadership Team, Critical Care Strategic Clinical Network, Alberta Health Services  
2013 – 2014 Member, Analytic Refinement and Evaluation Working Group, Alberta Health Services  
2014 – Present Member, TRACER (Provincial Critical Care EMR) Steering Committee  
2015 – Present Planning Committee Member, Alberta Society of Intensive Care Physicians Conference

## VII. PROFESSIONAL ACTIVITIES

i. MEMBERSHIP IN PROFESSIONAL AND LEARNED SOCIETIES

1999 – Present Fellow of the Royal College of Physicians and Surgeons of Canada  
2006 – Present Member of the Canadian Medical Association  
2006 – Present Member of the Alberta Medical Association  
2006 – Present Member of the Alberta Society of Intensive Care Physicians  
2006 – Present Member of the Calgary Physicians Association  
2007 – Present Member of the Canadian Critical Care Trials Group  
2007 – Present Member of the Canadian Critical Care Society  
2008 – Present Member of the Trauma Association of Canada  
2008 – Present Member, Canadian Trauma Trial Collaborative

ii. PROFESSIONAL SERVICE

Grant Review:

2008 Reviewer, Knowledge Translation Seed Grant Review Panel, Calgary Health Region  
2009 – Present Internal Grant Reviewer, O'Brien Institute for Public Health, University of Calgary



2009 – Present External Grant Reviewer, Canadian Critical Care Trials Group  
2009 – Present External Grant Reviewer, Ontario Ministry of Health  
2009 – Present External Grant Reviewer, Physicians' Services Incorporation  
Foundation  
2010 Reviewer, Department of Critical Care Medicine, University of Calgary  
Research Grant Competition  
2010 – 2014 Member, Health Services Research Grant Review Committee, Canadian  
Institutes of Health Research  
2013 External Grant Reviewer, the Hospital for Sick Children (Sick Kids)  
Grants Management Office  
2014 – Present Internal Grant Reviewer, Critical Care Strategic Clinical Network Seed  
Grant Competition, Alberta Health Services  
2014 Internal Grant Reviewer, Knowledge Translation (KT) Canada  
2015 Reviewer, Canadian Institutes for Health Research Foundation Scheme  
2015 – Present Member, College of Reviewers, Canadian Institutes of Health Research  
2016 Reviewer, Clinical Research Fund, Cumming School of Medicine

#### Journal Review:

2000 Society of General Internal Medicine  
2005 – Present British Medical Journal  
2006 – Present Journal of the American Medical Association  
2007 – Present Critical Care Medicine  
2007 – Present Canadian Medical Association Journal  
2007 – Present Respiratory Care  
2009 British Journal of Anaesthesia  
2010 Lung  
2012 – Present Injury  
2012 – Present BMJ Quality & Safety  
2015 – Present The Lancet  
2016 – Present American Journal of Respiratory & Critical Care Medicine  
2017 – Present JAMA Pediatrics  
2017 – Present Journal of Intensive Care Medicine

#### Editorships:

2008-2010 Member, Editorial Board, Respiratory Care

#### External Peer Evaluations for Promotion:

University of Calgary  
University of Toronto  
University of Manitoba

#### National & International Committees:

2008 – 2010 Member, Performance Improvement and Patient Safety (PIPS)





	Committee, Trauma Association of Canada
2009	Member, National Trauma Registry Benchmarking Consultation Session
2009 – 2011	Member, Canadian Critical Care Trials Group Executive
2010	Founding Member, Asia-Pacific Trauma Quality Improvement Network
2010	Co-chair, Asia-Pacific Trauma Quality Improvement Workshop, Australia
2010 – 2014	Co-chair, Performance Improvement and Patient Safety (PIPS), Trauma Association of Canada
2011	Chair, Trauma Quality Indicator Consensus Panel Workshop (international)
2011 – 2015	Chair, Data Safety Monitoring Board, Therapeutic hypothermia by Emergency Medical Services Study
2013 – Present	Member, Trauma Indicator Working Group, Accreditation Canada
2013 – Present	Member, Scientific Review Committee, Canadian Frailty Network (CFN)
2015 – Present	Member, Advisory Board, KT Platform, Alberta SPOR SUPPORT Unit
2016 – Present	Member, Medical Care Analytics External Expert Panel, the Canadian Medical Protective Association

#### Government Agencies:

2010-2014	Member, National Trauma Registry Advisory Committee, Canadian Institutes for Health Information
2010-2014	Chair, National Trauma Registry Benchmarking Committee, Canadian Institutes for Health Information

#### Other:

2009	Reviewer, Canadian Critical Care Foundation Trainee Abstracts
2014 – Present	Internal Abstract and Presentation Reviewed, Alberta Critical Care Trainee Research Competition

### **VIII. RESEARCH SUPPORT (Funds in Canadian dollars unless otherwise specified, mentorship of PI indicated by \*)**

- i) GRANTS PENDING (Peer Reviewed)
  - 1. 2016-2017. Sustaining evidence-based health care. Program Expert (PI, Sharon Straus). Foundation Grant, Canadian Institutes of Health Research, Ottawa, Ontario, Canada.
  - 2. 2017-2022. The Reach Network (PI Andrea Tricco). Operating grant: SPOR – Guidelines and Systematic Reviews. Canadian Institutes of Health Research, Ottawa, Ontario, Canada.
- ii) GRANTS RECEIVED (Peer Reviewed)
  - 1. 2003-2004. The relation of patient satisfaction with complaints against physicians and malpractice lawsuits. Co-Investigator, 100% fund allocation, USD \$35,871, RMF/CRICO, Cambridge, U.S.A.
  - 2. 2005-2007. Content analysis of patient complaints. Principal Investigator, 100% fund allocation, USD \$50,000, RMF/CRICO, Cambridge, U.S.A.



3. 2007. Knowledge Translation Canada: Strategic training initiative in health research. Co-Investigator, 0% fund allocation, \$5,000, LOI, Canadian Institutes of Health Research, Ottawa, Ontario, Canada.
4. 2007-2010. Value and impact of quality and safety teams. Co-Investigator, 0% fund allocation, \$100,313, Canadian Institutes of Health Research, Ottawa, Ontario, Canada.
5. 2008-2009. Identification and evaluation of quality indicators in trauma care. Principal Investigator, 100% fund allocation, \$17,930, University of Calgary Research Grants, Calgary, Alberta, Canada.
6. 2008-2013. Knowledge Translation Canada: A national research network. Co-Investigator, 0% fund allocation, \$12,241,457, Canadian Institutes of Health Research, Ottawa, Ontario, Canada.
7. 2009. Assessing care of patients with major traumatic injuries: A template for developing quality indicators. Principal Investigator, 100% fund allocation, \$13,011, New Investigator Award Competition, Canadian Institutes of Health Research, Research Allowance, Ottawa, Ontario, Canada.
8. 2009. Transferring knowledge of amiodarone safety monitoring to the community practice setting using a formalized care pathway. Co-Investigator, 0% fund allocation, \$60,831, Canadian Institutes of Health Research, Ottawa, Ontario, Canada.
9. 2009-2010. Occurrence, fate and effects of pharmaceutical substances in aquatic environments. Co-Investigator\*, 0% fund allocation, \$50,000, Canadian Institutes of Health Research, Ottawa, Ontario, Canada.
10. 2009-2010. Quality indicators in trauma care. Synthesis Grant: Knowledge Translation. Principal Investigator, 100% fund allocation, \$49,967, Canadian Institutes of Health Research, Ottawa, Ontario, Canada.
11. 2009-2012. Realities, expectations and attitudes to life support technologies in intensive care for octogenarians: The realistic 80 study. Co-Investigator, 5% fund allocation, \$800,444, Canadian Institutes of Health Research, Ottawa, Ontario, Canada.
12. 2009-2012. Assessing care of patients with major traumatic injuries. Principal Investigator, 100% fund allocation, \$454,552, (\$147,772 Canadian Institutes for Health Research, \$149,772 AHFMR, \$95,200 Trauma Association of Canada, \$47,808 Calgary Health Region Research and Knowledge Portfolio, \$9,000 Canadian Institute for Health Information, \$8,000 Calgary Health Region) Partnerships in Health Systems Improvement Competition, Canadian Institutes of Health Research, Ottawa, Ontario, Canada.
13. 2009-2012. Developing quality indicators to assess the care of adults with major traumatic injuries. Principal Investigator, 100% fund allocation, \$223,188, Canadian Institutes of Health Research, Ottawa, Ontario, Canada. Awarded, but declined due to budgetary overlap.
14. 2009-2014. Assessing care of patients with major traumatic injuries: A template for developing quality indicators. Principal Investigator, 100% fund allocation, \$240,000, New Investigator Award Competition, Canadian Institutes of Health Research, Ottawa, Ontario, Canada.
15. 2009-2015. Knowledge Translation Canada: A Canadian Institutes for Health Research strategic training initiative in health research. Co-Investigator, 0% fund allocation, \$1,778,626, Training Grant, Canadian Institutes of Health Research, Ottawa, Ontario, Canada.
16. 2010-2011. A prospective multi-centre observational study of frailty in critical illness (ICU FRAILTY Study). Co-Investigator, 40% fund allocation, \$22,869, University Hospital Foundation Medical Research Competition, Edmonton, Alberta, Canada.



17. 2010-2011. Assessment of the safety of anti-pyretic therapy in critically ill adults. Co-Investigator\*, 0% fund allocation, \$20,000, Canadian Intensive Care Foundation, Calgary, Alberta, Canada.
18. 2010-2011. Frailty in critical illness. Co-Investigator, 40% fund allocation, \$26,820, Canadian Intensive Care Foundation, Calgary, Alberta, Canada.
19. 2010-2011. Establishing stakeholder research priorities for measuring the quality of trauma care. Meetings, Planning and Dissemination Grant: International. Principal Investigator, 100% fund allocation, \$19,984, Canadian Institutes of Health Research, Ottawa, Ontario, Canada.
20. 2010-2011. The impact of reduced ICU bed availability due to the H1N1 pandemic on the care and outcomes of acutely unwell hospitalized patients. Principal Investigator, 100% fund allocation, \$92,600, Canadian Institutes of Health Research, Ottawa, Ontario, Canada.
21. 2010-2012. "I'm too tired to think!" Characterizing cognitive strategies physicians use to counteract the negative effects of fatigue on clinical performance. Co-Investigator\*, 40% fund allocation, \$47,690, Medical Education Research Grant, Royal College of Physicians and Surgeons Canada, Ottawa, Ontario, Canada.
22. 2010-2017. Developing quality indicators to measure the quality and safety of trauma care. Principal Investigator, 100% fund allocation, \$1,175,000, Alberta Innovates - Health Solutions, Edmonton, Alberta, Canada.
23. 2011-2012. An interdisciplinary collaboration to explore quality indicators in paediatric orthopaedics. Co-Investigator, 0% fund allocation, \$14,360, Partnerships for Health System Improvement, Canadian Institutes for Health Research, Ottawa, Ontario, Canada.
24. 2011-2012. A prospective multi-centre observational study of frailty in critical illness (ICU FRAILTY Study). Co-Investigator, 40% fund allocation, \$146,719, Canadian Institutes of Health Research, Ottawa, Ontario, Canada.
25. 2011-2013. Patient and family perceptions and preferences of trauma care quality. Principal Investigator, 100% fund allocation, \$80,000, M.S.I. Foundation, Edmonton, Alberta, Canada.
26. 2011-2014. Developing trauma centre performance indicators for non-fatal outcomes. Co-Investigator, 0% fund allocation, \$193,816, Canadian Institutes of Health Research, Ottawa, Ontario, Canada.
27. 2011-2014. Developing a patient and family-centred approach for measuring the quality of trauma care. Principal Investigator, 100% fund allocation, \$628,692, (\$345,372 Canadian Institutes for Health Research, \$150,000, Alberta Innovates- Health Solutions, \$80,400, Trauma Association of Canada, \$16,920, Alberta Health Services, \$12,000, Brain Association of Canada, \$12,000, CIHI, \$12,000, Ontario Neurotrauma Foundation) Partnerships in Health Systems Improvement Competition, Canadian Institutes for Health Research, Ottawa, Ontario, Canada.
28. 2012. W21C Interdisciplinary Research and Innovation for Health System Quality and Safety. Co-Principal Investigator, \$25,000, 0% fund allocation, Alberta Innovates - Health Solutions Collaborative Research and Innovation Opportunities Letter of Intent, Edmonton, Alberta, Canada.
29. 2012-2014. Identifying Intensive Care Unit Discharge Planning Tools. Principal Investigator, 100% fund allocation, \$49,982, Canadian Institutes of Health Research, Ottawa, Ontario, Canada.



30. 2012-2014. Pilot evaluation of quality indicators to measure the care of adults with major traumatic injuries. Principal Investigator, 100% fund allocation, \$30,000, Knowledge Translation Canada, Ottawa, Ontario, Canada.
31. 2012-2014. A prospective multicentre observational study of frailty in cardiac surgery in Alberta. Co-Investigator, 40% fund allocation, \$88,000, M.S.I. Foundation, Edmonton, Alberta, Canada.
32. 2012-2014. Quality indicators in the management of Supracondylar Humeral Fractures in children: A family centred analysis of care. Co-Investigator, 0% fund allocation, \$3,925, Calgary Orthopaedic Research and Development Fund (COREF), Calgary, Alberta, Canada.
33. 2013-2014. Developing an Electronic Decision Support and Communication Tool for Intensive Care Unit Discharge. Principal Investigator, 100% fund allocation, \$108,000 (\$98,460 Canadian Institutes of Health Research, \$6,420 Alberta Health Services, \$3,120 W21C), Canadian Institutes of Health Research, Catalyst Grant: eHealth Innovations, Ottawa, Ontario, Canada.
34. 2013-2014. Engaging the Public to Establish Priorities for Research and Innovation in Critical Care Medicine. Principal Investigator, 100% fund allocation, \$5,583 (\$3,000 Canadian Institutes of Health Research, \$2,583 O'Brien Institute, University of Calgary), Café Scientifique Program (2013), Ottawa, Ontario, Canada.
35. 2013-2014. Critical Care Vital Signs Monitor – Performance Indicators and Quality Improvement in Critical Care. Co-Investigator, 0% fund allocation, \$25,000, Canadian Institutes of Health Research Planning Grant, Ottawa, Ontario, Canada.
36. 2013-2015. Iterative Development of an Electronic Intensive Care Unit Discharge Tool. Principal Investigator, 100 % fund allocation, \$21,520, Departments of Medicine and Surgery Research Development Fund Competition 2012-2013, Calgary, Alberta, Canada.
37. 2013-2018. W21C: Interdisciplinary Research and Innovation for Health System Quality and Safety Team Grant. Co-Principal Investigator, 0% allocation, \$4,679,601, Alberta Innovates – Health Solutions, Edmonton, Alberta, Canada.
38. 2014- 2015. Structuring Patient-Oriented Research – Developing a National Agenda in Patient Care Research and Evaluation. Co-Investigator, 0% fund allocation, \$25,000, Canadian Institutes of Health Research Planning Grant, Ottawa, Ontario, Canada.
39. 2014- 2015. Development and planning of a theory-based implementation of a national wiki-based reminder system promoting best practices in trauma care. Co-Investigator, 0% fund allocation, \$24,956, Canadian Institutes of Health Research, Ottawa, Canada.
40. 2014-2015. Scoping Review: Conduct and reporting of scoping reviews. Co-Investigator, 0% fund allocation, \$49,764, Canadian Institutes of Health Research Knowledge Synthesis Grant, Ottawa, Ontario, Canada.
41. 2014-2015. STandard versus Accelerated initiation of Renal Replacement Therapy in Acute Kidney Injury (STARRT-AKI). Co-Investigator, 0% fund allocation, \$100,000, Canadian Institutes of Health Research Operating Grant, Ottawa, Ontario, Canada.
42. 2014-2016. Reengineering the Discharge of Elderly Patients from Intensive Care. Principal Investigator, 78% fund allocation, \$588,749 (\$436,765 Technology Evaluation in the Elderly, \$7,680 Canadian Critical Care Society, \$6,160 Canadian Association of Critical Care Nurses, \$3,120 Canadian Society of Respiratory Therapists, \$27,100 Alberta Health Services, \$7,200 eCritical, \$14,000 O'Brien Institute, University of Calgary, \$72,210 W21C, \$6,960 Patient and Family Centred Care Committee, \$1,920 British Columbia Ministry of Health), Technology Evaluation in the Elderly 2013 Core Grant Program, Ottawa, Ontario, Canada.



43. 2014-2017. Reassessing Practices in the Daily Care of Critically Ill Patients: Building Capacity and Methodology to Identify and Close Evidence Care Gaps. Principal Investigator, 100% fund allocation, \$748,790, Partnership for Research and Innovation in the Health System, Alberta Innovates – Health Solutions, Edmonton, Alberta.
44. 2014-2017. Identifying and Evaluating Intensive Care Unit Capacity Strain in Alberta. Co-Principal Investigator, 0% fund allocation, \$743,818, Partnership for Research and Innovation in the Health System, Alberta Innovates – Health Solutions, Edmonton, Alberta.
45. 2014-2018. The Adoption and De-adoption of Tight Glycemic Control among Critically Ill Adults. Co-Investigator\* (PI, Daniel Niven), 0% fund allocation, \$14,675, Canadian Intensive Care Foundation, Calgary, Alberta, Canada (mentored trainee grant).
46. 2015. The Development, Implementation, and Validation of a Family-Partnered Care Pathway for Very Elderly Patients Admitted to ICU. Co-Principal Investigator, 0% fund allocation, \$23,301, Canadian Institutes of Health Research Team Grant: Late Life Issues – LOI, Ottawa, Ontario, Canada.
47. 2015. Advancing patient-centred knowledge translation across the care continuum. Co-Investigator, 0% fund allocation, \$25,000, Canadian Institutes for Health Research Team Grant: Late Life Issues – LOI, Ottawa, Ontario, Canada.
48. 2015-2016. Province-Wide Implementation of the Clinical Frailty Scale in an Electronic Medical Record System (eCritical) in Alberta. Co-Investigator, 8% fund allocation, \$99,999.79, Technology Evaluation in the Elderly, Ottawa, Ontario, Canada.
49. 2015-2016. The Reversal of Clinical Practice in Critical Care Medicine: A Systematic Review. Co-Principal Investigator\*, 0% fund allocation, \$19,205.60 (\$9,602.80 Critical Care Strategic Clinical Network, \$9,602.80 Department of Critical Care Medicine), Critical Care Strategic Clinical Network New Investigator Seed Funding Grant, Calgary, Alberta, Canada (mentored trainee grant).
50. 2015-2016. Determining Best Practices for Family Participation in Intensive Care Unit Rounds. Co-Principal Investigator\* (PI, Selena Au), 0% fund allocation, \$23,458.66 (\$11,729.33 Critical Care Strategic Clinical Network, \$11,729.33 Department of Critical Care Medicine), Critical Care Strategic Clinical Network New Investigator Seed Funding Grant, Calgary, Alberta, Canada (mentored trainee grant).
51. 2015-2016. Bacteremia Antibiotic Length Actually Needed for Clinical Effectiveness (BALANCE): A Randomized Controlled Trial. Co-Investigator, 0% fund allocation, \$100,000, Canadian Institutes of Health Research Operating Grant, Ottawa, Ontario, Canada.
52. 2015-2017. Determining Best Practices for Patient and Family Participation in Intensive Care Unit Rounds. Co-Investigator\* (PI, Selena Au), 0% fund allocation, \$98,000, M.S.I. Foundation, Edmonton, Alberta, Canada.
53. 2015-2018. Family Integrated Care (FICare) in Level II NICUs: An Innovative Program for Alberta. Co-Investigator, 0% fund allocation, \$750,000, Alberta Innovates – Health Solutions Partnership for Research and Innovation in the Health System, Edmonton, Alberta, Canada.
54. 2015-2019. STandard versus Accelerated initiation of Renal Replacement Therapy in Acute Kidney Injury (STARRT-AKI). Co-Investigator (PI, Sean Bagshaw; PI, Ronald Wald), 0% fund allocation, \$1,104,971, Canadian Institutes of Health Research Operating Grant, Ottawa, Ontario, Canada.



55. 2015-2019. Evidence to change policy and improve outcomes in children suffering major injury. Co-Investigator, 0% fund allocation, \$501,694, National Health and Medical Research Council Partnership Grant APP1092499, Sydney, Australia.
56. 2015-2019. STandard versus Accelerated Renal Replacement Therapy for Acute Kidney Injury. Co-Investigator (PI, Ronald Wald), 4% fund allocation, \$1,608,568, Canadian Institutes of Health Research Operating Grant Competition, Ottawa, Ontario, Canada.
57. 2015-2020. Better Prediction and Decision Support Tools to Improve Care and Outcomes for Patients with Acute Kidney Injury (AKI). Program Expert, 0% fund allocation, \$855,842, Canadian Institutes of Health Research Foundation Scheme, Ottawa, Ontario, Canada.
58. 2015-2020. A RandomizEd trial of ENtERal Glutamine to minimize thermal injury: (The RE-ENERGIZE Study). Co-Investigator (PI, Daren Heyland), 2% fund allocation, \$5,659,300 Canadian Institutes of Health Research Operating Grant, Ottawa, Ontario, Canada.
59. 2016-2017. A Retrospective Cohort Study to Describe the Characteristics and Outcomes of Patients Discharged from Hospital in Alberta Directly from the Intensive Care Unit. Principal Investigator, 100% fund allocation, \$10,000, Clinical Research Fund Grant, University of Calgary, Calgary, Alberta.
60. 2016-2017. Reengineering the Discharge of Elderly Patients from Intensive Care: Pre-Clinical Evaluation of a Tool Kit. Principal Investigator, 97% fund allocation, \$169,203 (\$99,938 Technology Evaluation in the Elderly, \$56,500 W21C, \$12, 825 Alberta Health Services), Technology Evaluation in the Elderly 2015 Catalyst Grant Program, Ottawa, Ontario, Canada.
61. 2016-2017. A Modified Delphi Process to Identify, Rank and Prioritize Quality Indicators in Continuous Renal Replacement Therapy (CRRT) Care in Critically Ill Patients. Co-Investigator (PI, Oleska Rewa), 0% fund allocation, \$9850. Critical Care Strategic Clinical Network 2016 New Investigator Seed Funding, Calgary, Alberta, Canada.
62. 2016-2017. The Epidemiology of Hypoactive Delirium in the Critically Ill. Co-Investigator\* (PI, Kirsten Fiest), 0% fund allocation, \$10,000. Critical Care Strategic Clinical Network 2016 New Investigator Seed Funding, Calgary, Alberta, Canada.
63. 2016-2017. Developing a Framework for the De-Adoption of Low-Value Clinical Practices in Acute Care Facilities. Co-Investigator\* (PI, Jeanna Parsons-Leigh), 0% fund allocation, \$10, 240. Critical Care Strategic Clinical Network 2016 New Investigator Seed Funding, Calgary, Alberta, Canada.
64. 2016-2017. Engaging the Public in the Development of a Family-Partnered Care Pathway for Critically Ill Older Adults, Co-Investigator\* (PI, Jeanna Parsons Leigh), 0% fund allocation \$5,000. Alberta Innovates- Health Solutions Community Engagement and Conference Grant, Edmonton, Alberta.
65. 2016-2018. Identifying Spiritual Distress in Families of ICU Patients: The INSPIRE Study. Co-Investigator\* (PI, Amanda Roze des Ordon), 0% fund allocation, \$102,600 (96,000 M.S.I Foundation, \$6,600 Department of Critical Care Medicine), M.S.I Foundation, Edmonton, Alberta.
66. 2016-2018. Developing a Framework for the De-Adoption of Low-Value Clinical Practices in Acute Care Facilities. Co-Investigator\* (PI, Jeanna Parsons Leigh), 0% fund allocation, \$115,446 (\$99,196 M.S.I Foundation, \$16,250 Strategic Clinical Network, \$20, 586 W21C Research and Innovation Centre). M.S.I Foundation, Edmonton, Alberta.
67. 2016-2018. Relaxation for critically ill Patient Outcomes and Stress-coping Enhancement (REPOSE): Clinical Trial of an Integrative Intervention to improve critically ill patients'



- delirium and related outcomes. Co-Investigator (PI, Elizabeth Papathanasoglou). \$187,302. Project Scheme: 2016 1st Live Pilot, Canadian Institutes of Health Research, Ottawa, Ontario
68. 2016-2020. Reengineering Discharge from the Intensive Care Unit. Principal Investigator, 100% allocation. \$829,634 (\$300,000 Canadian Institutes of Health Research, \$374,664 Alberta Health Services, \$154,970 W21C). Embedded Clinician Researcher Salary Award, Canadian Institutes of Health Research, Ottawa, Ontario.
  69. 2016-2019. Evaluation of the association between hospital resource use intensity and quality of care in a trauma system. Co-Investigator (PI, Lynn Moore), 0% fund allocation, \$390,000 (\$260,000 Canadian Institutes of Health Research, \$130,000 Institut national d'excellence en santé et en services sociaux (INESSS)). Partnerships for Health System Improvement, Canadian Institutes of Health Research, Ottawa, Ontario.
  70. 2016-2019. InCURS: Intensive Care Unit Residents Scheduling Study. Co-Investigator (PI, Chris Parshuum). \$100,000. Project Scheme: 2016 1st Live Pilot, Canadian Institutes for Health Research, Ottawa, Ontario
  71. 2016-2020. Development and Evaluation of a Family-Partnered Care Pathway for Critically Ill Older Patients. Principal Investigator, 100% fund allocation, \$2,429,218 (\$1,388,754 Canadian Institutes of Health Research, \$511,800 Alberta Health Services, \$298,896 GlaxoSmithKline, \$126,924 Nestle, \$58,844 W21C, \$20,000 Society of Critical Care Medicine, \$20,000 Canadian ICU Collaborative, \$4000 Canadian Critical Care Society), Team Grant – Late Life Issues, Canadian Institutes of Health Research, Ottawa, Ontario.
  72. 2016-2021. Bacteremia Antibiotic Length Actually Needed for Clinical Effectiveness (BALANCE): A Randomized Controlled Clinical Trial. Co-Investigator (PI, Nick Daneman). \$2,010,635, Project Scheme: 2016 1st Live Pilot, Canadian Institutes of Health Research, Ottawa, Ontario
  73. 2016-2022. The Canadian Trauma Systems Improvement Program (CTSIP): Improving injury care across the continuum, Co-Investigator (PI, Lynn Moore), 0% fund allocation, \$832,646. Foundation Grant 2015, Canadian Institutes of Health Research, Ottawa, Ontario.
  74. 2016- 2018. Validating screening tools for delirium subtypes in the critically ill, Co-Investigator\* (PI, Kirsten Fiest), 0% fund allocation, \$20,000. Clinical Research Fund 2016, University of Calgary, Alberta, Canada (mentored trainee grant).
  75. 2016-2017. Establishing Stakeholder Research Priorities for the Development and Evaluation of Caregiver-Mediated Interventions in the Care of Critically Ill Older Patients. Co-Investigator\* (PI, Jeanna Parsons-Leigh), 0% fund allocation, \$19,992. Planning and Dissemination Grant-Institute Community Support, Canadian Institutes of Health Research, Ottawa, Ontario.
  76. 2017-2018. Delirium Assessment in the Critically Ill: A Patient and Family-Centered Approach. Co-Principal Investigator\* (PI, Kirsten Fiest), 0% allocation, \$50,000 (\$25,000 Canadian Institutes of Health Research, \$25,000, University of Calgary Clinical Health Services and Population Health Research Platform Strategy. *Canadian Institutes of Health Research (CIHR) - Strategy for Patient-Oriented Research (SPOR)*, Ottawa Ontario.
  77. 2017-2020. De-Adopting Low-Value Practices in Critical Care Medicine. Co- Principal Investigator\* (PI, Jeanna Parsons-Leigh), 0% allocation, \$321,300, Project Scheme Fall 2016, Canadian Institutes of Health Research, Ottawa, Ontario, Canada.
  78. 2017-2019. Prioritization of Evidence-based Best Practices for Adoption/De-adoption in Adult Critical Care. Co-Investigator\* (PI, Daniel Niven), 0% fund allocation, \$89,000. M.S.I Foundation, Edmonton, Alberta, Canada.



79. 2017-2019. Patient and family centered delirium measurement in the critically ill. Co-Investigator\* (PI, Kirsten Fiest), 0% fund allocation, \$76,000. M.S.I Foundation, Edmonton, Alberta, Canada.
  
- iii) CLINICAL TRIALS - SITE PRINCIPAL INVESTIGATOR (non-competitive funds)
  1. 2013-2017. A Pilot Study to Ascertain the Use of Intensive Care Units as an Option for the Surveillance of Severe Respiratory Illness (SRI) in Canada. Co-Investigator, 100% fund allocation, \$12,000, Public Health Agency of Canada (PHAC), Toronto, Ontario, Canada.
  2. 2013-2017. Optimizing Duration of Antibiotic Therapy For Bloodstream Infections in Critically Ill Patients. Co-Investigator, 100% fund allocation, \$8,000, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada.
  3. 2014-2017. Nutritional adequacy therapeutic enhancement in the critically ill: A randomized double blind, placebo-controlled, active-compare trial of the motilin receptor agonist GSK962040. The NUTRIATE Study. Principal Investigator, 100% fund allocation, \$154,270, GlaxoSmithKline group of companies. Brentford, Middlesex, United Kingdom through Queen's University, Kingston, Ontario, Canada.

## IX. INVITED ADDRESSES

### PRIMARY PRESENTER

#### International

1. Cytokine and cell mediated immunity changes after Measles-Mumps-Rubella vaccination. Society of Paediatric Research. Carmel, California. 1995.
2. Back from the dead: an analysis of health insurance fraud. Department of Medicine Annual Academic Day, University of Toronto. Toronto, Ontario. 1999.
3. Errors in isolation: the recording of vital signs for patients with contact precautions. Society of General Internal Medicine. Atlanta, Georgia. May 2001.
4. Errors in isolation: the care of patients with contact precautions. Society of General Internal Medicine. San Diego, California. May 2002.
5. Errors in outpatient amiodarone monitoring. Society of General Internal Medicine. Vancouver, British Columbia. May 2003.
6. An evaluation of the adequacy of outpatient monitoring of thyroid replacement therapy. Society of General Internal Medicine. Vancouver, British Columbia. May 2003.
7. The safety of patients isolated for infection control. Charles Hollenberg Clinician-Scientist Day, University of Toronto. Toronto, Ontario. June 2003.
8. Preeclampsia in the ICU. Combined Pulmonary Anaesthesia Critical Care Grand Rounds, Massachusetts General Hospital. Boston, Massachusetts. March 2004.
9. Patient satisfaction, complaints and malpractice risk. Patient safety action group, Risk Management Foundation of the Harvard Medical Institutions, Harvard Club. Boston, Massachusetts. April 2005.





10. The number, content and quality of randomized controlled trials in the prevention and care of injuries. Trauma and emergency surgery conference, Department of Surgery, Massachusetts General Hospital. Boston, Massachusetts. May 2006.
11. Tracheostomy tube malposition in patients admitted to a mechanical ventilation weaning unit. American Thoracic Society. San Diego, California. May 2006.
12. The safety of patients isolated for infection control. Society of General Internal Medicine. Vancouver, British Columbia. May 2003.
13. A scoping review of quality indicators in trauma care. Combined Australasian Trauma Society and Trauma Association of Canada Annual Scientific Meeting. Auckland, New Zealand. March 2009.
14. An economic evaluation of prophylactic vena cava filters in critically ill trauma patients. Combined Australasian Trauma Society and Trauma Association of Canada Annual Scientific Meeting. Auckland, New Zealand. March 2009.
15. Capture-mark-recapture as a stopping rule for systematic reviews in trauma care. Combined Australasian Trauma Society and Trauma Association of Canada Annual Scientific Meeting. Auckland, New Zealand. March 2009.
16. Quality indicators in trauma care. Combined Australasian Trauma Society and Trauma Association of Canada Annual Scientific Meeting. Auckland, New Zealand. March 2009.
17. Trauma quality improvement practices in Australasia, Canada and the United States. Trauma 2010, Australasian Trauma Society Annual Scientific Meeting. Melbourne, Australia. November 2010.
18. Establishing stakeholder priorities for trauma quality improvement in Asia-Pacific. Asia-Pacific Trauma Quality Improvement workshop. Melbourne, Australia. November 2010.
19. Quality indicators in trauma care. Guest Speaker, Masters of Trauma Sciences, Queen Mary University of London. London, United Kingdom. October 2011.
20. Trauma quality improvement in Australasia, Canada and the United States. Royal Australasian College of Surgeons & National Trauma Research Institute. Melbourne, Australia. November 2011.
21. How to improve ward rounds. 32nd International Symposium on Intensive Care and Emergency Medicine. Brussels, Belgium. March 2012.
22. Discharging patients: we could do it better. 32nd International Symposium on Intensive Care and Emergency Medicine. Brussels, Belgium. March 2012.
23. How to assess quality? Performance indicators. 32nd International Symposium on Intensive Care and Emergency Medicine. Brussels, Belgium. March 2012.
24. Clinical trials: maybe we are expecting too much? 32nd International Symposium on Intensive Care and Emergency Medicine. Brussels, Belgium. March 2012 (Moderator).
25. Changing improving/Improving Care: Patient perspective on high quality trauma care. Trauma Quality Improvement Program (TQIP), American College of Surgeons. Phoenix, Arizona. November 2013.
26. Using patient researchers to understand patient and family experiences in intensive care units. 35th International Symposium on Intensive Care and Emergency Medicine. Brussels, Belgium. March 2015.
27. Stakeholder engagement to identify priorities for improving the quality and value of care provided to critically ill patients. 35th International Symposium on Intensive Care and Emergency Medicine. Brussels, Belgium. March 2015.



28. A novel patient and community engagement research method to understand patient and family experiences with critical care. International Forum on Quality and Safety in Health Care. London, England. April 2015.
29. Integrated knowledge translation to develop priorities for improving care of critically ill patients. International Forum on Quality and Safety in Health Care. London, England. April 2015.
30. Reassessing the care we provide critically ill patients. University College London Hospital Critical Care Journal Club. London, England. April 2015.
31. Patient researchers: an innovative approach to engage patients and families in critical care research. 18th Annual Meeting of the Case Mix Program, Intensive Care National Audit & Research Centre. London, England. April 2015.
32. Evidence Care Gaps in Critical Care: What Should We Do When Care Doesn't Match The Evidence? University of Edinburgh. Edinburgh, Scotland. June 3, 2015.
33. Best Rounding Practices in ICU. Society of Critical Care Medicine (SCCM) 2016 Critical Care Congress. Orlando, Florida. February 20, 2016.
34. Critical Care Transition Programs and the Risk of Readmission or Death after Discharge from an ICU. Society of Critical Care Medicine (SCCM) 2016 Critical Care Congress. Orlando, Florida. February 21, 2016.
35. Patient and Family Member Researchers in the Intensive Care Unit. Society of Critical Care Medicine (SCCM) 2016 Critical Care Congress. Orlando, Florida. February 23, 2016.
36. Poster discussions and Poster Awards. 36th International Symposium on Intensive Care and Emergency Medicine (ISICEM). Brussels, Belgium. March 15, 2016 (Moderator).
37. How to implement changes- How we decide. 36th International Symposium on Intensive Care and Emergency Medicine (ISICEM). Brussels, Belgium. March 16, 2016.
38. Patients should actively contribute to research- Improving clinical trials. 36th International Symposium on Intensive Care and Emergency Medicine (ISICEM). Brussels, Belgium. March 16, 2016.
39. How can you assess quality of care. 36th International Symposium on Intensive Care and Emergency Medicine (ISICEM). Brussels, Belgium. March 17, 2016.
40. Measuring the quality of trauma care- Polytrauma. 36th International Symposium on Intensive Care and Emergency Medicine (ISICEM). Brussels, Belgium. March 17, 2016.
41. The Challenge of Competing Priorities in ICU Rounding in 2016. ATS 2016 International Conference. San Francisco, California. May 17, 2016.
42. The target and goal of clinical rounds. Jornadas De Medicine Intensive Do Porto 21st Congress. Porto, Portugal. October 20, 2016. (Plenary Presentation)
43. The role of different participants in the clinical round. Jornadas De Medicine Intensive Do Porto 21st Congress. Porto, Portugal. October 20, 2016. (Round Table Presentation)
44. ICU Rounds: Communication with the patient's family. Jornadas De Medicine Intensive Do Porto 21st Congress. Porto, Portugal. October 21, 2016. (Thematic Session Presentation).
45. Knowledge Translation: Translating Clinical Research into Better Patient Care. Mayo Clinic, Rochester, USA. March 8-9, 2017 (Department of Critical Care Medicine Rounds).
46. The implementation of knowledge translation into the care of critically injured patients. Trauma 2017 Conference. Melbourne, Australia. April 21, 2017 (Plenary presentation – 400+ participants).



47. Engaging patients and families in Quality Improvement strategies in Trauma Care. Trauma 2017 Conference. Melbourne, Australia. April 23, 2017 (Plenary presentation – 200+ participants).
48. Strategies for evidence informed trauma care quality improvement. Tan Tock Seng Hospital, Nanyang Technological University, Singapore. April 27, 2017 (40+ attendees).
49. Patient researchers: an innovative engagement strategy? Lee Kong Chian School of Medicine, Nanyang Technological University and Imperial College London, Singapore. April 27, 2017 (50+ attendees)
50. Translating Clinical Research into Better Patient Care. Department of Anesthesia Grand Rounds, Massachusetts General Hospital, Boston, USA. June 1, 2017 (50+ attendees).
51. The role of patients' families in rounds. 19<sup>th</sup> International Congress of the Polish Society of Anaesthesiology and Intensive Care. Bydgoszcz, Poland. Scheduled for September 14, 2017.
52. Evidence-informed rounds in the intensive care unit. 19<sup>th</sup> International Congress of the Polish Society of Anaesthesiology and Intensive Care. Bydgoszcz, Poland. Scheduled for September 16, 2017.
53. Mind the Gap: Translating Clinical Research into Better Patient Care. Johns Hopkins University. Scheduled for January 17, 2018 (Department of Medicine Grand Rounds).

## National

1. Patient safety challenges in the critically ill patient. Grand Rounds, Division of Critical Care Medicine, University of Alberta. Calgary, Alberta. May 2005.
2. Assessing the care of patients with major traumatic injuries: a research proposal. Canadian Trauma Trials Collaborative, Trauma Association of Canada 2008 Annual Scientific Meeting. Whistler, British Columbia. April 2008.
3. Applied quality improvement research in critical care: the example of the trauma patient. Alberta Society of Intensive Care Medicine. Edmonton, Alberta. January 2010.
4. Applied quality improvement research in trauma & critical care. Grand Rounds, St. Michaels Hospital, University of Toronto. Toronto, Ontario. September 2010.
5. Studying quality and safety: Is it worth the effort? University of Toronto Visiting Professor Fellows Lecture. Toronto, Ontario. March 2011.
6. Quality improvement in trauma & critical care: A long journey. University of Toronto City Wide Visiting Professor Rounds. Toronto, Ontario. March 2011.
7. Trauma Debate: Trauma quality indicators – A waste of time or a good idea? Trauma 2011 Conference. Banff, Alberta. April 2011.
8. Process of developing quality indicators. Trauma quality consensus panel workshop, University of Calgary. Calgary, Alberta. April 2011.
9. Developing quality indicators when there is limited evidence: the example of injury care. KT Canada National Seminar Series. Calgary, Alberta. February 2012.
10. Developing an Evidence-informed ICU Discharge Tool. Canadian Critical Care Trials Group 2013 winter meeting. Lake Louise, Alberta. January 2013.
11. How to Develop Quality Indicators. Critical Care Canada Forum. Toronto, Ontario. November 2013.
12. Does decision making change when the ICU is full? Critical Care Canada Forum. Toronto, Ontario. November 2013.



13. Prediction: Readmission and Mortality after Discharge. Critical Care Canada Forum. Toronto, Ontario. November 2013.
14. Reassessing the Care We Provide Patients: An Alberta Experiment. KT Canada Annual Scientific Meeting. Quebec City, Quebec. June 2014 (Plenary Presentation).
15. Re-engineering the discharge of elderly patients from intensive care. 3rd Annual TVN Conference. Toronto, Ontario. September 2015.
16. Evidence-Informed ICU Rounds. Critical Care Canada Forum. Toronto, Ontario. October 26 2015.
17. ICU Discharge: An Improvement Target. Critical Care Canada Forum. Toronto, Ontario. October 2015.
18. End of Life Prognosis and Care. Critical Care Canada Forum. Toronto, Ontario. October 2015 (Moderator).
19. Mind the Gap: Translating Clinical Research into Better Patient Care. Jewish General Hospital, McGill University, Montreal, Quebec. December 5, 2016 (Department of Medicine Grand Medical Rounds).
20. Knowledge Translation: Applied Adoption & De-adoption of Evidence Informed Practices. McMaster University. December 15, 2016 (Division of Critical Care Medicine City Wide Rounds).
21. Improving the care of critically ill patients through stakeholder engagement. December 15, 2016 (ACCADEMY Session for Critical Care Medicine Scholars).

## Local/Regional

1. Measles vaccine evaluation in 6-month old infants. Student Research Competition, University of Alberta. Edmonton, Alberta. 1992.
2. IL-2, INF-g, IL-10 and IL-4 cytokine production following MMR vaccination. Student Research Competition, University of Alberta. Edmonton, Alberta. 1993.
3. Conflict of interest in the debate over calcium-channel antagonists. Resident and Fellow Research Competition, The Toronto Hospital. Toronto, Ontario. 1998.
4. Conflict of interest in the debate over calcium-channel antagonists. Research Competition, Mount Sinai Hospital. Toronto, Ontario. 1998.
5. Back from the dead: an analysis of health insurance fraud. Clinical Research Competition, Sunnybrook Health Sciences Centre. Toronto, Ontario. 1999.
6. Back from the dead: an analysis of health insurance fraud. Society for Medical Decision Making. Reno, Nevada. 1999.
7. Errors in isolation: the recording of vital signs for patients with contact precautions. Charles Hollenberg Clinician-Scientist Day, University of Toronto. Toronto, Ontario. June 2001.
8. The safety of prolonged cervical immobilization in obtunded polytrauma patients. Trauma and emergency surgery conference, Department of Surgery, Massachusetts General Hospital. Boston, Massachusetts. June 2006.
9. A Clinical Evaluation of a Wireless Temporal Artery Bandage Thermometer. University of Calgary. Calgary, Alberta. December 2007.
10. Quality indicators in trauma care. Snyder Critical Care Medicine Research Day. Calgary, Alberta. September 2009.



11. Influenza A H1N1: When should I seek medical care? Calgary Institute for Population & Public Health Public Forum. Calgary, Alberta. November 2009.
12. Practical biostatistics: how to analyze and present research results. University of Calgary. Calgary, Alberta. March 2010.
13. Influenza A H1N1: the Calgary critical care experience. University of Calgary Senate. Calgary, Alberta. April 2010.
14. Quality improvement research in trauma & critical care. Snyder Critical Care Medicine Research Day, University of Calgary. Calgary, Alberta. October 2010.
15. A strategy for developing evidence-based indicators of trauma care quality. The Department of Community Health Sciences and the Calgary Institute for Population and Public Health. Calgary, Alberta. October 2010.
16. Applied quality improvement research design. Certificate Course in Patient Safety & Quality, University of Calgary. Calgary, Alberta. November 2010.
17. Future directions in quality indicator development. Trauma quality consensus panel workshop, University of Calgary. Calgary, Alberta. April 2011.
18. Introduction to Health Services Research. University of Calgary. Calgary, Alberta. July 2011.
19. Identifying and applying for funding opportunities. Academic half day, University of Calgary. Calgary, Alberta. August 2011.
20. Developing a research program for measuring quality of healthcare. University of Calgary. Calgary, Alberta. September 2011.
21. The grant funding game: Strategies that might help your external funding applications. Department of Community Health Sciences and the Calgary Institute for Population and Public Health. Calgary, Alberta. September 2011 (Panel Member).
22. Designing healthcare delivery for optimal outcomes. University of Calgary. Calgary, Alberta. October 2011.
23. Applied Quality Improvement Research Design. Certificate Course in Patient Safety & Quality, University of Calgary. Calgary, Alberta. October 2011.
24. The grant resubmission game: strategies that might help you tap in the rebound. Department of Community Health Sciences and the Institute for Public Health. Calgary, Alberta. January 2012 (Panel Member).
25. Pre-Hospital Quality Indicators. Alberta Health Services Emergency Medical Services Research Committee. Calgary, Alberta. March 2012.
26. Funding application strategy panel - Part III. Department of Community Health Sciences and the Calgary Institute for Population and Public Health. Calgary. Alberta. June 2012 (Panel Member).
27. Applied Quality Improvement Research Design. Certificate Course in Patient Safety & Quality of Care, University of Calgary. Calgary, Alberta. September 2012.
28. Funding application strategy panel - Part IV. Department of Community Health Sciences and the Calgary Institute for Population and Public Health. Calgary, Alberta. September 2012 (Panel Member).
29. Academic Medicine Panel. Department of Medicine Resident Research workshop, University of Calgary. Calgary, Alberta. January 2013 (Panel Member).
30. Peer review: do it well! Department of Community Health Sciences and the Calgary Institute for Population and Public Health. Calgary, Alberta. September 2013 (Panel Member).



31. Improving the care of Critically Ill patients with knowledge translation and innovation. Canadian Association of Critical Care Nurses (CACCN) Southern Alberta Spring Conference. Calgary, Alberta. May 2014.
32. Reassessing Practices in the Daily Care of Critically Ill Patients. Critical Care Strategic Clinical Network Retreat. Calgary, Alberta. September 2015.
33. Reassessing Practices in the Daily Care of Critically ill Patients - Phase II: Provincial Data Collection of Selected Practices. Department of Critical Care Medicine, University of Calgary and Calgary Zone, Alberta Health Services. Calgary, Alberta. October 2015.
34. Reassessing Practices in the Daily Care of Critically ill Patients - Phase II: Provincial Data Collection of Selected Practices. Division of Critical Care Medicine, University of Alberta and Edmonton Zone, Alberta Health Services. Calgary, Alberta. October 2015.
35. Trainee Research Competition. 28<sup>th</sup> Annual ASICP Lake Louise Winter Meeting. Lake Louise, Alberta. January 2016 (Moderator).
36. Mind the Gap: Translating Clinical Research into Better Patient Care. Department of Critical Care Medicine Grand Rounds. Calgary, Alberta. May 25, 2016.

## SECONDARY PRESENTER (CO-INVESTIGATOR)

### International

1. Moving forward? Voices of Canadian leaders and quality teams. International Society for Quality in Health Care. Paris, France. October 2010.
2. "Leading a quality agenda: Canadian perspectives of team and senior leaders preliminary findings". 22nd Annual National Forum on Quality Improvement in Health Care. Orlando, Florida. December 2010.
3. Examination of emergency airway service patterns in two large academic medical centres. Society of Critical Care Medicine Critical Care Congress. San Diego, California. January 2011.
4. Improving care of the injured in the Asia-Pacific region, International Association for Trauma Surgery and Intensive care. Yokohama, Japan. August 2011.
5. Understanding team effectiveness in clinical networks: A mixed-methods case study. 30<sup>th</sup> International Conference of the International Society for Quality in Health Care. Edinburgh, Scotland. October 2013.
6. Association Between Frailty and Short and Long-Term Outcomes In Critically Ill Patients: A Multi-Centre Prospective Cohort Study. Society of Critical Care Medicine 43rd Critical Care Congress. San Francisco, California. January 2014.
7. Description Of Duration Of Treatment For Bloodstream Infection In Critically Ill Patients: A Multi-Centre Observational Study. American Thoracic Society 2014 International Conference. San Diego, California. May 2014.
8. Long-Term Association Between Frailty And Health-Related Quality Of Life Among Survivors Of Critical Illness: A Multi-Centre Prospective Cohort Study. American Thoracic Society 2014 International Conference. San Diego, California. May 2014.
9. Measuring The Duration Of Adequate Antimicrobial Treatment For Blood Stream Infections In Critically Ill Patients. American Thoracic Society 2014 International Conference. San Diego, California. May 2014.



10. Patient And Pathogen Predictors Of Antibiotic Treatment Duration For Bloodstream Infection In Critically Ill Patients. American Thoracic Society 2014 International Conference. San Diego, California. May 2014.
11. Time Required To Initiate Outbreak And Pandemic Observational Research. American Thoracic Society 2014 International Conference. San Diego, California. May 2014.
12. Barriers And Facilitators Of Thromboprophylaxis For Medical-Surgical ICU Patients: A Multicenter Survey. American Thoracic Society 2014 International Conference. San Diego, California. May 2014.
13. Engagement in engineered change: preliminary findings from Alberta's strategic clinical networks. 31<sup>st</sup> International Conference of the International Society for Quality in Health Care. Rio de Janeiro, Brazil. October 2014.
14. Thematic analysis: striving to meet the trustworthiness criteria. Qualitative Methods. Melbourne, Australia. April 2015.
15. Scoping reviews versus systematic reviews: Results from a scoping review of scoping reviews. 23rd Cochrane Colloquium. Vienna, Austria. October 2015.
16. The effect of inadequate initial antimicrobial treatment on mortality in critically ill patients with bloodstream infections. ID Week 2015. San Diego, California. October 2015.
17. Predicting performance status one year after critical illness among patients aged 80 years or older. Critical Care Congress 2016. Orlando, Florida. February 21, 2016
18. What does the national quality forum have to say about critical care medicine. Critical Care Congress 2016. Orlando, Florida. February 22, 2016
19. "We use that term all the time, eh?". Engagement as defined by stakeholders within strategic clinical networks in Alberta, Canada: a qualitative study. What Works Global Summit. London, England. September 2016.
20. Interrater Reliability and Qualitative Analysis of the Braden Scale in a Tertiary Acute Medical Care Setting: a Mixed Methods Study. Symposium on Advanced Wound Care. Las Vegas, Nevada. October 2016.
21. Efficacy of a pressure-sensing mattress cover system for reducing interface pressure: study protocol for a randomized control trial. Canadian Association of Wound Care (CWAC). Mississauga, Ontario. November 2016.
22. Development of the major trauma case review tool (Kate Curtis). Trauma 2017. Melbourne, Victoria. April 21, 2017.
23. Validity of published appropriateness indications for use of damage control laparotomy at a high-volume trauma center in the era of damage control resuscitation (Derek Roberts). 76<sup>th</sup> Annual Meeting of AAST and Clinical Congress of Acute Care Surgery. Baltimore, United States. Scheduled for September 13, 2017.

## National

1. Applied quality improvement research in trauma. Trauma 2010, Trauma Association of Canada. Halifax, Canada. May 2010.
2. A Canadian snapshot of senior & team leaders' description of quality & safety team initiatives. Halifax 10: The Canadian Healthcare Safety Symposium. Halifax, Nova Scotia. October 2010.



3. Association Between Frailty and Short and Long-Term Outcomes In Critically Ill Patients: A Multi-Centre Prospective Cohort Study. Critical Care Canada Forum. Toronto, Canada. November 2013.
4. Duration Of Treatment For Bloodstream Infections In Critically Ill Patients: A Multi-Centre Observational Study. Critical Care Canada Forum. Toronto, Canada. November 2013.
5. Patient And Pathogen Predictors Of Antibiotic Treatment Duration For Bloodstream Infection In Critically Ill Patients. Critical Care Canada Forum. Toronto, Canada. November 2013.
6. Measuring the Duration Of Adequate Antimicrobial Treatment for Blood Stream Infections In Critically Ill Patients. Critical Care Canada Forum. Toronto, Canada. November 2013.
7. A quality indicator to benchmark acute care length of stay for trauma admissions. Trauma 2014: Trauma Association of Canada (TAC) Annual Scientific Meeting. Montreal, Quebec. April 2014.
8. Which hospital complications should be used to evaluate the quality of adult trauma care? An expert consensus study. Trauma 2014: Trauma Association of Canada (TAC) Annual Scientific Meeting. Montreal, Quebec. April 2014.
9. Adverse Events Using Intensity Modulated Radiation Therapy in Breast Cancer: Systematic Review & Meta-Analysis. Canadian Association for Health Services and Policy Research (CAHSPR) Conference 2014. Toronto, Ontario. May 2014.
10. Understanding engagement in Alberta's strategic clinical networks. KT Canada Annual Scientific Meeting. Halifax, Nova Scotia. May 2015.
11. Capacity Strain Increases Mortality Risk Among Patients Admitted to Intensive Care Units: A Two-Stage Modelling Strategy. Critical Care Canada Forum. Toronto, Ontario. October 2015
12. Frailty in Critically Ill Non-Elderly Patients: Prevalence, Correlates, and Outcomes. Critical Care Canada Forum. Toronto, Ontario. October 2015.
13. Health Care Provider Perceptions of Sources and Impact of Strain on Intensive Care Unit Capacity: A Qualitative Study. Critical Care Canada Forum. Toronto, Ontario. October 2015.
14. Physicians Perceptions of Sources and Impact of Strain on Intensive Care Unit Capacity: A Qualitative Study. Critical Care Canada Forum. Toronto, Ontario. October 2015.
15. An examination of two Alberta Strategic clinical networks through a knowledge translation lens. Canadian Association for Health Services and Policy Research Conference. Montreal, Quebec. May 2016.
16. Discharging Patients from Intensive Care: A Qualitative Study of Facilitators and Barriers to Improving the ICU to Ward Transfer Process. 2016 Qualitative Health Research (QHR) Conference. Kelowna, British Columbia. October 2016.
17. Efficacy of a pressure-sensing mattress cover system for reducing interface pressure. The Society of Clinical Research Associates (SOCRA). October 2016.

## Local

1. A time-driven activity-based costing method to estimate health care costs in the emergency department. Whistler, British Columbia. June 2016.
2. The Bone & Joint Strategic Clinical Network: A preliminary case study. Markin Undergraduate Student Research Program (USRP) Student Symposium. University of Calgary, Calgary, Alberta. September 2013.





3. Mapping the global trends in health services literature around clinical networks. Campus Alberta Student Conference on Health. Calgary, Alberta. October 2016.
4. Contributions of Families to Patient Care in Intensive Care Units and Hospital Wards. Quality Summit 2016. Calgary, Alberta. October 2016.
5. Engaging Patients and Families in Leading Research to Inform and Advance Patient and Family Centred Care in Critical Care. Calgary, Alberta. October 2016.

## MENTORED INVITED TRAINEE PRESENTATIONS

### International

1. Physician attire in the ICU and its effect on families (Selena Au), Society of Critical Care Medicine's 41st Annual Congress. Houston, Texas. January 2011.
2. A systematic review of rounding priorities in intensive care (Dan Lane), Society of Critical Care Medicine's 41st Annual Congress. Houston, Texas. January 2011.
3. Development and pilot testing of an instrument to measure patient and family satisfaction with injury care (Nik Bobrovitz), International Society of Quality of Life. Denver Colorado. October 2011.
4. Physician attire in the ICU and its effect on families (Selena Au), Society of Critical Care Medicine. Houston, Texas. February 2012.
5. Revision of an Instrument for Measuring Patient Experiences with Injury Care (Maria Santana on behalf of Nik Bobrovitz), 19th Annual Conference of the International Society for Quality of Life Research (ISOQOL). Budapest, Hungary. October 2012.
6. The effects of Anti-pyretic Therapy on the Immunology of Fever in Critically Ill Adults: Secondary Analysis from a Randomized Clinical Trial (Daniel Niven), ESICM LIVES 2012, 25<sup>th</sup> Annual Congress. Lisbon, Portugal. October 2012.
7. Assessment of the Safety and Feasibility of Administering Anti-pyretic Therapy in Critically Ill Adults: A Randomized Clinical Trial (Daniel Niven), ESICM LIVES 2012, 25<sup>th</sup> Annual Congress. Lisbon, Portugal. October 2012.
8. A Multi-Centre Study of Patient Experiences with Acute and Post-Acute Injury Care (Nik Bobrovitz), International Society for Quality of Life Research (ISOQOL) 20<sup>th</sup> Annual Conference. Miami, Florida. October 2013.
9. Thematic Analysis of Patient-Reported Experiences with Acute and Post-Acute Injury Care (Nik Bobrovitz - Poster), International Society for Quality of Life Research (ISOQOL) 20<sup>th</sup> Annual Conference. Miami, Florida. October 2013.
10. The Adoption and De-Adoption of Tight Glycemic Control Among Critically Ill Adults (Daniel Niven), CHEST 2014. Austin, Texas. October 2014.
11. Development of a Hospital Standardized Mortality Ratio for Emergency Department Sensitive Conditions (Simon Berthelot), Society for Academic Emergency Medicine (SAEM) Annual Meeting. San Diego, California. May 2015.
12. The association of patient safety culture and safety behaviour with safety performance in hospital: a cross-sectional study (Guosong Wu), 2015 PhD academic forum of China. Ji`nan, Shandong province, China. November 2015.



13. Determining Best Practices for Family Participation in ICU Rounds (Selena Au). Society of Critical Care Medicine. Orlando, Florida. February 2016.
14. Reversal of Scientific Evidence and Identifying Opportunities for De-Adoption in Critical Care: A Scoping Review (Daniel Niven). ATS 2016 International Conference. San Francisco, California. May 17, 2016.

## National

1. An economic evaluation of prophylactic vena cava filters in critically ill trauma patients (Carter Chiasson), Trauma Association of Canada conference. 2009.
2. Communication during intensive care unit rounds: A systematic review of the literature (Dan Lane - Poster), Trauma Association of Canada conference. Banff, Alberta. April 2011
3. Quality improvement practices of trauma centres in the United States, Canada and Australia (Maria Santana), Trauma Association of Canada conference. Banff, Alberta. April 2011.
4. Physician attire in the ICU and its effect on families (Selena Au), Canadian Critical Care Forum. Toronto, Ontario. November 2011.
5. A systematic review of rounding priorities in intensive care (Dan Lane), Canadian Critical Care Forum. Toronto, Ontario. November 2011.
6. Development and pilot testing of an instrument to measure patient and family satisfaction with injury care (Nik Bobrovitz), Canadian Critical Care Forum. Toronto, Ontario. November 2011.
7. Development of quality indicators of trauma care by a consensus panel (Maria Santana), Trauma Association of Canada annual scientific meeting. Toronto, Ontario. April 2012.
8. Development and pilot testing of a survey to measure patient and family experiences with injury care (Nik Bobrovitz), Trauma Association of Canada annual scientific meeting. Toronto, Ontario. April 2012.
9. Quality indicators used by teaching versus non-teaching international trauma centres (Vikas Chaubey), Trauma Association of Canada annual scientific meeting. Toronto, Ontario. April 2012.
10. Development of a new Hospital Standardized Mortality Ratio for ED-Sensitive Condition (Simon Berthelot), Conference of the Canadian Association for Health Services and Policy Research, Hilton Bonaventure. Montréal, Quebec. May 2012.
11. Development of an In-Hospital Standardized Mortality Ratio for Emergency Department Sensitive Conditions (Simon Berthelot - Poster), Canadian Association of Emergency Medicine 2012 Conference. Niagara Falls, Ontario. June 2012.
12. Un nouveau concept dans l'évaluation de la performance à l'urgence: the Emergency-Sensitive Conditions (Simon Berthelot), Congrès de l'Association des Médecins d'Urgence du Québec. La Malbaie, Quebec. November 2012.
13. A Comparison of Quality Improvement Practices at Adult and Paediatric Trauma Centres (Carmen Cooper and Maria Santana – Poster), Trauma Association of Canada Annual Scientific Meeting. Whistler, British Columbia. April 2013.
14. Integrated Knowledge Translation for Injury Quality Improvement: A Partnership Between Researchers and Knowledge Users (Maria Santana - Poster), Trauma Association of Canada Annual Scientific Meeting. Whistler, British Columbia. April 2013.



15. International Trauma Centre Survey to Evaluate Content Validity, Usability and Feasibility of Quality Indicators (Maria Santana), Trauma Association of Canada Annual Scientific Meeting. Whistler, British Columbia. April 2013.
16. A Multi-centre Study of Patient Experiences with Acute and Post-Acute Injury Care (Nik Bobrovitz), Trauma Association of Canada Annual Scientific Meeting. Whistler, British Columbia. April 2013.
17. Thematic Analysis of Patient Reported Experiences with Acute and Post-Acute Injury Care (Nik Bobrovitz - Poster), Trauma Association of Canada Annual Scientific Meeting. Whistler, British Columbia. April 2013.
18. Development of A New Indicator measuring In-Hospital Mortality of Patients with Emergency-Sensitive Conditions (Simon Berthelot - Poster), Canadian Association of Emergency Physicians (CAEP) 2013 Annual Conference. Vancouver, British Columbia. June 2013.
19. Identification of Emergency-Sensitive Conditions for the Calculation of an Emergency Care-Specific In-Hospital Standardized Mortality Ratio (Simon Berthelot), Canadian Association of Emergency Physicians (CAEP) 2013 Annual Conference. Vancouver, British Columbia. June 2013.
20. Development of A New Indicator measuring In-Hospital Mortality of Patients with Emergency-Sensitive Conditions (Simon Berthelot - Poster), Canadian Association of Emergency Physicians (CAEP) 2013 Annual Conference. Vancouver, British Columbia. June 2013.
21. A qualitative analysis of a consensus process to develop quality indicators of injury care (Santana-Parrilla M and Nik Bobrovitz - Poster), Qualitative Health Research (QHR) Conference. Halifax, Nova Scotia. October 2013.
22. Clinical manifestations of tension pneumothorax among patients receiving positive pressure ventilation versus those that are breathing unassisted: a systematic review and meta-analysis (Derek Roberts), 2013 Canadian Association of General Surgeons Resident Research Retreat. Ottawa, Ontario. September 2013.
23. A National Survey of Patient and Family Experience with Injury Care (Jamie Boyd), Trauma 2014: Trauma Association of Canada Annual Scientific Meeting. Montréal, Quebec. April 2014.
24. Multi-Centre Prospective Cohort Study of Patient Experiences with Acute and Post-acute Injury Care (Nik Bobrovitz), Trauma 2014: Trauma Association of Canada Annual Scientific Meeting. Montréal, Quebec. April 2014.
25. Clinical Manifestations of tension pneumothorax: a systematic review and meta-analysis (Derek Roberts), Trauma 2014: Trauma Association of Canada Annual Scientific Meeting. Montréal, Quebec. April 2014.
26. Indications for damage control surgery in adult civilian trauma patients: an international scoping study (Derek Roberts), Trauma 2014: Trauma Association of Canada Annual Scientific Meeting. Montréal, Quebec. April 2014.
27. Development of an ICU transition questionnaire: Evaluating the transfer process from ICU, ward, and patient/family stakeholder perspectives (Simon Taylor), 12<sup>th</sup> Annual Critical Care Conference. Whistler, British Columbia. February 2015.
28. Development of an ICU transition questionnaire: Evaluating the transfer process from ICU, ward, and patient/family stakeholder perspectives (Simon Taylor), Trauma Association of Canada Annual Meeting. Calgary, Alberta. April 2015.



## Local/Regional

1. Communication during inter-disciplinary rounds in the ICU (Mauricio Ferri), Alberta Society of Intensive Care Medicine. Lake Louise, Banff. January 2011.
2. Patient Safety/Quality Certificate Course (Mauricio Ferri), University of Calgary Health Sciences Centre. Calgary, Alberta. March 2011.
3. A systematic review of rounding practices in intensive care (Dan Lane), Snyder Critical Care Medicine Research Day. Calgary, Alberta. October 2011.
4. Development of a Trauma Care Satisfaction Survey (Nik Bobrovitz), Markin Undergraduate Student Research Program in Health & Wellness Studentship. Calgary, Alberta. September 2011.
5. Post occupancy evaluation of the McCaig Tower ICU (Mauricio Ferri), Snyder Critical Care Medicine Research Day. Calgary, Alberta. October 2011.
6. Developing quality indicators of trauma care (Maria Santana), Snyder Critical Care Medicine Research Day. Calgary, Alberta. October 2011.
7. Physician attire in the ICU and its effect on families (Selena Au), Snyder Critical Care Medicine Research Day. Calgary, Alberta. October 2011.
8. A systematic review of rounding practices in intensive care (Dan Lane), Snyder Critical Care Medicine Research Day. Calgary, Alberta. October 2011.
9. Development and pilot testing of an instrument to measure patient and family satisfaction with injury care (Nik Bobrovitz), Snyder Critical Care Medicine Research Day. Calgary, Alberta. October 2011
10. The ICU discharge process: development of a clinical tool (Shaun Hosein), Snyder Critical Care Medicine Research Day. Calgary, Alberta. October 2011.
11. Identifying Emergency-Sensitive Conditions for a better Performance Assessment in Emergency Departments: a Research Protocol (Simon Berthelot), Snyder Critical Care Medicine Research Day. Calgary, Alberta. October 2011.
12. Quality of trauma care (Maria Santana), Ward of the 21st Century, University of Calgary. Calgary, Alberta. October 2011.
13. Development of A New Indicator measuring In-Hospital Mortality of Patients with Emergency-Sensitive Conditions (Simon Berthelot), Emergency Medicine Research Day 2013, University of Calgary. Calgary, Alberta. April 2013.
14. A Multi-Centre Study of Patient Experiences with Acute and Post-Acute Injury Care (Nik Bobrovitz), W21C Journal Club Presentation, University of Calgary. Calgary, Alberta. November 2013.
15. A Multi-Centre Prospective Cohort Study of Patient Experiences with Acute and Post-Acute Injury Care in Alberta (Nik Bobrovitz), 2014 Alberta Society of Intensive Care Medicine (ASICM) Education Meeting. Lake Louise, Alberta. January 2014.
16. A tale of two masters: conflict of interest in clinical practice guidelines (Paul Campsall), 26th Annual Alberta Society of Intensive Care Medicine (ASICM) Winter Meeting. Lake Louise, Alberta. January 2014.
17. Clinical manifestations of tension pneumothorax: a systematic review and meta-analysis (Derek Roberts), 26th Annual Alberta Society of Intensive Care Medicine (ASICM) Winter Meeting. Lake Louise, Alberta. January 2014.



18. Physiologic Outcomes in Adult Heart Failure Patients Who Have Undergone Cardiac Resynchronization Therapy: A Systematic Review and Meta-analysis (Jessalyn Holodinsky), 2014 Alberta Society of Intensive Care Medicine (ASICM) Education Meeting. Lake Louise, Alberta. January 2014.
19. A Tale of Two Masters: Conflict of Interest in Clinical Practice Guidelines (Paul Campsall), Department of Critical Care Medicine Grand Rounds. Calgary, Alberta. April 2014.
20. Mapping Current Canadian Adult Intensive Care Unit Patient Care Rounding Practices (Jessalyn Holodinsky), Alberta Society of Intensive Care Physicians (ASICP) Education Meeting. Lake Louise, Alberta. January 2015.
21. The Effect of Published Scientific Evidence on Glycemic Control in Adult Intensive Care Units (Daniel Niven), Alberta Society of Intensive Care Physicians (ASICP) Education Meeting. Lake Louise, Alberta. January 2015.
22. Development of an ICU transition questionnaire: Evaluating the transfer process from ICU, ward, and patient/family stakeholder perspectives (Simon Taylor), Alberta Society of Intensive Care Physicians (ASICP) Education Meeting. Lake Louise, Alberta. January 2015.

## **X. PUBLICATIONS/PRESENTATIONS (supervised trainees underlined)**

### **i) PEER REVIEWED MANUSCRIPTS**

Peer Reviewed Manuscripts, Submitted:

1. White DE, Virk N, Jackson M, **Stelfox HT**, Ghali W. Experimenting with Governance: Strategic Clinical Networks in Alberta. Manuscript under peer review. White DE, Norwell L, Norris JM, Mrklas KJ, Ghali WA, **Stelfox HT**. A Case Study of Engagement within Strategic Clinical Networks: An Unexplored, Yet Vital Ingredient for Success. Manuscript under peer review.
2. Moore L, **Stelfox HT**, Evans D, Hameed SM, Yanchar NL, Simons R, Kortbeek J, Bourgeois G, Clement J, Lauzier F, Nathens A, Turgeon A. Inter-hospital and inter-provincial variations in length of stay for injury admissions in Canada. Manuscript under peer review.
3. Niven DJ, McCormick TJ, Straus SE, Hemmelgarn BR, Jeffs LP, Barnes TRM, **Stelfox HT**. Reproducibility of Scientific Evidence in Critical Care. Manuscript under peer review.
4. Norris JM, Whit D, Nowell L, Mrklas K, **Stelfox HT**. How do stakeholders define engagement in healthcare organizations? A qualitative study. Manuscript under peer review. **Stelfox HT**, Parsons Leigh J, Dodek PM, Turgeon AF, Forster AJ, Lamontagne F, Fowler RA, Soo A, Bagshaw SM. A Multi-Centre Prospective Cohort Study of Patient Transfers from the Intensive Care Unit to the Hospital Ward. Manuscript under peer review.
5. Bobrovitz N, Santana M, Boyd J, Kline T, Kortbeek J, **Stelfox HT**. Development of a Short form Version of the Quality of Trauma Care Patient-Reported Experience Measure (QTAC-PREM). Manuscript under peer review.
6. **Stelfox HT**, Parsons Leigh J, Dodek PM, Turgeon AF, Forster AJ, Lamontagne F, Fowler RA, Soo A, Bagshaw SM. A multi-centre prospective cohort study of patient transfers from the intensive care unit to the hospital ward. Manuscript under peer review. Daneman N, Rishu AH, Pinto R, Aslanian P, Bagshaw SM, Carignan A, Charbonney E, Coburn B, Cook DJ, Detsky ME, Dodek P, Hall R, Kumar A, Lamontagne F, Lauzier F, Marshall JC, Martin CM, McIntyre L, Muscedere J, Reynolds S, Sligl W, **Stelfox HT**, Wilcox ME, Fowler RA (on behalf of the Canadian Critical Care Trials Group). 7 versus 14 days of Antibiotic Treatment for Critically Ill Patients with Bloodstream Infection: A Pilot Randomized Clinical Trial. Manuscript under peer



review.

7. Oczkowski SJW, Au S, Roze des Ordons A, Gill M, Potestio ML, Smith O, Sinuff T, Stelfox HT, Fox-Robichaud AE. Patient and Family Centred Critical Care: A Delphi Process to Identify Canadian Clinical and Research Priorities. Manuscript under peer review.
8. Sauro K, Bagshaw S, Niven DJ, Soo A, Brundin-Mather R, Parsons Leigh J, Cook DJ, **Stelfox HT**. Barriers and facilitators to adoption of high value practices and de-adoption of low value practices in the intensive care unit. Manuscript under peer review.
9. Bagshaw SM, Wang X, Zygun DA, Zuege D, Dodek P, Garland A, Scales D, Berthiaume L, Farris P, Chen G, Opgenorth D, **Stelfox HT**. Association Between Strained Capacity and Mortality among Patients Admitted to Intensive Care: A Path-Analysis Modeling Strategy.
10. Posadas-Calleja JG, **Stelfox HT**, Ferland A, Zuege DJ, Niven DJ, Berthiaume LB, Doig CJ. Derivation of a PIRO score for prediction of mortality in surgical patients with severe intra-abdominal sepsis/septic shock. Manuscript under peer review.
11. Moore L, Champion H, Tardif PA, Leppaniemi A, O'Reilly G, Cameron P, Palmer CS, Abu-Zidan FM, Gabbe B, Gaarder C, Yanchar N, **Stelfox HT**, Coimbra R, Kortbeek J, Noonan V, Gunning A, Gordon M, Khajanchi M, Porgo V, Turgeon AF, Leenan L. Impact of trauma system structure on injury outcomes: a systematic review and meta-analysis. Manuscript under peer review.
12. Deane AM, Lamontagne F, Dukes GE, Neil D, Vasist Johnson L, Hacquoil K, Ou X, Richards D, **Stelfox HT**, Mehta S, Day AG, Chapman MJ, Heyland DK. Nutritional adequacy therapeutic enhancement in the critically ill: A randomized double blind, placebo controlled trial of the motilin receptor agonist camicinal (GSK962040): The NUTRIATE Study. Manuscript under peer review.
13. Lee D, Ross HJ, Fowler RA, Scales DC, Stelfox HT, Mak S, Tu JV, Farkouh ME, Stukel TA, Wang X, van Diepen S, Wunsch H, Austin PC. The associations between early or late critical care unit admission with mortality and readmissions among patients with heart failure. Manuscript under peer review.
14. Jensen K, Soril L, **Stelfox HT**, Clement F, Lin Y, Marshall D. Side effects associated with the use of intensity modulated radiation therapy in breast cancer patients undergoing adjuvant radiation therapy: a systematic review and meta-analysis. Manuscript under peer review.
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16. Blanchard IE, Ahmad A, Tang KL, Ronskley PE, Lorenzetti D, Lazarenko G, Lang ES, Doig CJ, **Stelfox HT**. The effectiveness of prehospital hypertonic saline for hypotensive patients: a systematic review and meta-analysis. Manuscript under peer review.

#### Peer Reviewed Manuscripts, In Press:

1. Backman S, Bagshaw SM, Dodek P, Turgeon AF, **Stelfox HT**, Ball IM. Hospital Outcomes of Very Elderly Critically Ill Medical and Surgical Patients: A Multi-Centre Prospective Cohort Study. Canadian Journal of Anaesthesia 2016 in press.
2. Parsons Leigh J, **Stelfox HT**. Continuity of care for complex medical patients: How far do we go? American Journal of Respiratory and Critical Care Medicine 2016 in press.



3. Damani Z, Conner-Spady B, Nash T, Marshall DA, **Stelfox HT**, Noseworthy TW. What is the Influence of Single-Entry Models on Waiting Times for Adult Outpatient Elective Surgical Procedures?: A Systematic Review. *BMJ Open* 2016 in press.
4. Hogan DB, Maxwell CJ, Afilalo J, Arora RC, Bagshaw S, Basran J, Bergman H, Bronskill SE, Dixon E, Hemmelgarn B, Madden K, Mitnitski A, Rolfson D, **Stelfox HT**, Tam-Tham H, Wunsch H. A Critical Review of Frailty and Acute Care: Recommendations for further research. *Canadian Journal of Geriatrics* 2016 in press.
5. Cheung A, Clayden N, Ocampo W, Kiplaget L, Kaufman J, Baylis B, Conly JM, Ghali WA, Ho CH, **Stelfox HT**, Hogan DB. Documentation and investigation of missing health care equipment. *Journal of Hospital Administration* 2017 in press.
6. Boyd J, Wu G, **Stelfox HT**. The impact of checklists on patient safety outcomes: a systematic review of randomized controlled trials. *Journal of Hospital Medicine* 2017 in press.
7. Valiani S, Gheshmy A, Rigal R, Fowler R, Cook DJ, Forster AJ, Heyland DK, Lamontagne F, **Stelfox HT**, Muscedere J, Martin CM, Dodek P, Hébert PC. An environmental scan of quality indicators endorsed in critical care. *CMAJ Open* 2017 in press.
8. Moore L, Boukar K, Tardif P, **Stelfox HT**, Champion H, Cameron P, Gabbe B, Yanchar N, Kortbeek J, Lauzier F, Chasse M, Archambault P, Turgeon A. Low-value clinical practices in injury care: a scoping review protocol. *BMJ Open* 2017 in press.
9. Moore L, Evans D, Yanchar NL, Thakore J, **Stelfox HT**, Hameed SM, Simons R, Kortbeek J, Clément J, Lauzier F, Turgeon, AF. Canadian Benchmarks for acute injury care. *Canadian Journal of Surgery* 2017 in press.
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11. Ocampo W, Cheung A, Baylis B, Clayden N, Conly JM, Ghali WA, Ho CH, Kaufman J, **Stelfox HT**, Hogan DB. Economic Evaluations of Strategies to Prevent Hospital-Acquired Pressure Injuries. *Advances in Skin & Wound Care* 2017 in press.
12. Ladha M, Bharwani A, McLaughlin K, **Stelfox HT**, Bass A. The Effect of White Coats and Gender on Medical Students' Perceptions of Physicians. *BMC Medical Education* 2017 in press.

Peer reviewed Manuscripts, Published:

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- v) COMMUNICATIONS
1. Detsky AS, **Stelfox HT**. Conflict of interest in the debate over calcium-channel antagonists. [Comment] *N Engl J Med*. 1998 Jun;338(23):1697-8.
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## **XI. CONTRIBUTIONS/INTERVIEWS AND MEDIA RELATIONS**

### BROADCAST INTERVIEWS

1. Physician Attire in the ICU. Live Radio Interview with Karen Black, CJOB. Winnipeg, February 2013.
2. Critical illness in an aging society. Recorded television interview with Leah Sarich, Breakfast Television. Calgary, August 10, 2016.

### PRINT INTERVIEWS

1. Peak Scholars: Celebrating Excellence in Entrepreneurship, Innovation, and Knowledge Engagement. Article in *UToday*. Calgary, November 18, 2015.
2. Researchers develop model for curbing wasteful health-care practices. Article in *UToday*. Calgary, November 27, 2015.
3. Doctor collaborates with patients' family to transform critical care in Alberta. Article in *UToday*. Calgary, June 22, 2016.
4. Cumming School researcher puts spotlight on ending harmful healthcare practices\*. Daniel Niven. Article in *UToday*. Calgary, June 24, 2016.
5. Medical and social science researchers collaborate to improve ICU care for older patients. Article in *UToday*. Calgary, August 5, 2016.
6. ICU Study. Breakfast Television Calgary Blogs. August 11, 2016.

## **XII. MOST SIGNIFICANT CONTRIBUTIONS TO RESEARCH AND/OR PRACTICAL APPLICATIONS**

1. Successful peer-reviewed research funding applications:
  - >\$14 million in peer-reviewed research funding as principal or co-principal applicant (n=30 grants, 15 from CIHR)
  - >\$30 million in peer-reviewed research funding as co-applicant (n=47 grants, 27 from CIHR)
2. High impact publications: 190 peer reviewed publications, 7,140 citations, h-index 35 - examples include:



- **Stelfox HT**, Chua G, O'Rourke K, Detsky AS. Conflict of interest in the debate over calcium-channel antagonists. *N Engl J Med* 1998; 338:101-6 (impact factor [IF] 60)
  - Choudhry NK, **Stelfox HT**, Detsky AS. Relationships between authors of clinical practice guidelines and the pharmaceutical industry. *JAMA* 2002; 287:612-617 (IF 38)
  - **Stelfox HT**, Bates DW, Redelmeier DA. The safety of isolating patients for infection control. *JAMA* 2003; 290:1899-1905 (IF 38)
  - Chiasson C, Manns BJ, **Stelfox HT**. An economic evaluation of prophylactic vena cava filters in critically ill trauma patients. *PLoS Med* 2009; 6(6) (IF 14)
  - **Stelfox HT**, Hemmelgarn BR, Bagshaw SM, Gao S, Doig CJ, Nijssen-Jordan C, Manns B. ICU bed availability and outcomes for hospitalized patients with sudden clinical deterioration. *Arch Intern Med* 2012 Mar 26;172(6):467-74 (IF 14)
  - Au S, Khandwala F, **Stelfox H**. Physician attire in the ICU and patient family perceptions of physician professional characteristics. *JAMA Intern Med* 2013; 173(6):465-7 (IF 14)
  - Niven DJ, Rubinfeld GD, Kramer AA, **Stelfox HT**. Effect of Published Scientific Evidence on Glycemic Control in Adult Intensive Care Units. *JAMA Intern Med*. 2015 May 1;175(5):801-9. (IF 13)
  - Niven D, Gaudet J, Laupland K, Mrklas K, Roberts D, **Stelfox HT**. Accuracy of peripheral thermometers for estimating temperature. *Ann Intern Med* 2015;163(10):768-77 (IF 16)
  - Campsall P, Colizza K, Straus S, **Stelfox T**. Financial relationships between organizations that produce clinical practice guidelines and the biomedical industry. *PLoS Med*. 2016 May 31; 13(5): e1002029. doi: 10.1371/journal.pmed.1002029. (IF 14)
3. Impactful translation of research into practice:
- My studies of financial relationships between authors of scientific publications (*NEJM*), guideline committee members (*JAMA*), professional societies (*PLoS Med*) and biomedical companies has resulted in implementation of conflict of interest disclosure policies by most major medical journals.
  - Developed the first set of evidence-informed quality indicators for injury care (*Annals Surg*), which have been implemented by national (Accreditation Canada) and international (Agency for Healthcare Research and Quality) organizations.
  - Implemented provincial initiative to improve the translation of scientific evidence into the care of critically ill patients admitted to intensive care units (ICU) in Alberta resulting in a 42% increase in guideline concordant venous thromboembolism prophylaxis.
4. Demonstrated scientific leadership:
- Member of Executive, O'Brien Institute for Public Health 2011-2013
  - Member, Leadership Team, W21C (<http://www.w21c.org>), University of Calgary, 2011-
  - Co-chair, Performance Improvement & Patient Safety Committee, Trauma Association of Canada 2010-
  - Scientific Director, Critical Care Strategic Clinical Network, Alberta Health Services 2013-
5. Effective education & mentorship of trainees:
- 31 research trainees: undergraduate (n=7), MSc (n=11), PhD (n=3), post-graduate (n=3), clinical (n=7)
  - 58 trainee led peer reviewed manuscripts published
  - 64 invited trainee presentations and 32 trainee led abstracts published
  - 63 provincial, national & international trainee awards including Society of Critical Care Medicine Scientific Award, CIHR Rising Star Award, Chancellor's Graduate Medal & Clarendon Fund Scholarship (U of Oxford)
  - 5 teaching awards including Univ. of Calgary Graduate Students' Association Supervisory Excellence Award

### XIII. RESEARCH THEMES OF INTEREST



My research has impacted both science policy and patient care and is focused on three broad themes.

1. *Quality of Care:* Many patients, doctors, nurses and health care leaders believe that health care is in need of fundamental change because the care delivered is not the care we should receive. I have performed studies in both the inpatient (*JAMA* 2003, *Crit Care* 2008, *PLoS Med* 2009, *Crit Care Med* 2011, *Imp Science* 2011), and outpatient (*Clin Pharmacol Ther* 2004, *Am J Med* 2005, *IJHCQ* 2008) setting demonstrating that any intervention can have unintended consequences. I have led a research team that developed quality indicators (*Arch Surg* 2010, *Crit Care Med* 2010, *Crit Care Med* 2011, *J Trauma* 2010, *Brit J Sur* 2012, *J Trauma* 2012, *Annals of Surg* 2012, *World J Surg* 2012, *J Clin Epi* 2013, *Annals of Surg* 2014) and patient and family reported outcome measures (*BMC Health Serv Res* 2013, *J Trauma* 2014, *Annals of Surg* 2016) of injury care as well as a standardized mortality ratio of emergency department care (*Ann Emerg Med* 2014, *CJEM* 2015). Our measures have been adopted by national (e.g., Accreditation Canada) and international (e.g., Agency for Health Care Research and Quality) organizations. We are now begun to empirically evaluate the measures developed (*Ann Surg* 2015, *JAMA Surg* 2015, *Ann Surg* 2016, *J Trauma* 2016, *Injury* 2016).
2. *Knowledge Translation:* Health care systems routinely fail to make optimal use of evidence which results in suboptimal patient care (overuse, underuse & misuse of therapies). Large amounts of scientific evidence are generated, but not effectively implemented into patient care<sup>3</sup> (evidence-care gap). In direct response to this challenge, we have launched an Alberta Innovates – Health Solutions funded program of work that leverages the recent establishment of Strategic Clinical Networks in Alberta to reassess practices in the daily care of critically ill patients to identify evidence-care gaps and to develop interventions to address deficiencies (*PLoS One* 2015, *BMC Med* 2015, *JAMA IM* 2015). Our goal is to integrate science and innovation with patient care and create a ‘living laboratory’ of ICUs across Alberta Canada that develop, evaluate and implement sustainable, patient-centred and cost-effective best practices. One of the first patient care practices we are targeting for improvement are transitions of care during admission and discharge from the intensive care unit (ICU). Pilot work (*Am J Med* 2011, *Arch Intern Med* 2012, *CHEST* 2014, *Int Care Med* 2015) has suggested that these are amongst the most challenging and high risk transitions of care and that quality of care may be improved with the development of guidelines or tools to standardize these processes. We are currently leading a TVN Centres of Excellent funded Canada wide prospective observational study to describe ICU discharge practices and identify opportunities for intervention. In addition we recently secured a CIHR team grant to extend our work to develop and evaluate a family-partnered pathway for critically ill older patients.
3. *Strategies for Managing Research & Innovation:* Research and innovation are key drivers of societal progress and strategies are needed to optimize their efficiency and effectiveness. Our team has studied financial relationships between researchers and pharmaceutical companies (*NEJM* 1998, *JAMA* 2002, *PLoS Med* 2016) and the results have resulted in the implementation of conflict of interest policies by most major medical journals. We are currently evaluating the reproducibility of clinical research findings in medicine (manuscript under peer review) and plan to develop a decision-rule to provide guidance when seminal publications of innovations warrant immediate implementation and when implementation should be delayed until the results are reproduced.