



**Curriculum Vitae**  
**Canadian Critical Care Research Coordinators Research Group**  
**1996- 2022**  
**Version: 17-Mar-2022**

n	Citations	1 <sup>st</sup> /last
306	Abstracts	115
223	Manuscripts	38
39	Grants	24
568	Total	177

Funding from Grants	
RC PI	\$177,000
Collaboration	\$3,552,911
Total Funding	\$3,729,911

**GRANTS: 24/39 (PI/Total)**

1. Assent in pediatric critical care research: a stakeholder survey of research ethics boards, research coordinators, pediatric critical care researchers and PICU nurses in Canada 2021-2023  
Principal Investigator: **Katie O’Hearn**  
Co-Investigators: Kusum Menon, Flo Cayouette, Dori-Ann Martin, Soairse Cameron, Geeta Mehta, Gary Goldfield, Courtney O’Reilly, Shauna O’Donnell, Patricia Fontela, Fatima Mougharbel  
Funding Agency: Canadian Institutes of Health Research  
Funding Amount: \$110,000
2. Assent in pediatric critical care research: a stakeholder survey of research ethics boards, research coordinators, pediatric critical care researchers and PICU nurses in Canada 2021-2022  
Principal Investigator: **Katie O’Hearn**  
Co-Investigators: Dori-Ann Martin, Saoirse Cameron  
Funding Agency: Canadian Critical Care Trials Group  
Funding Amount: \$2,500.00
3. Patient Centered Outcomes of Vasopressor Use in the ICU: Patient & Public Engagement 2021-2022  
Principal Investigator: **Karla Krewulak**  
Co-Investigators: Laura Hernandez  
Funding Agency: Canadian Critical Care Trials Group  
Funding Amount: \$2,500.00

4. Restricted family presence in the PICU during the COVID-19 pandemic: 2021-2023  
Understanding impact, experience, and stakeholder priorities  
Principal Investigator: Jennifer Foster  
Co-Investigators: Janet Curran, Kirsten Fiest, Laurie Lee, Jamie Seabrook, Stacy Burgess, Franco Carnevale, Karen Choong, Patrici Fontela, Daniel Garros, Elaine Gilfoyle, Andrew Helmers, Kristina Krmpotic, Sangeeta Mehta, Kusum Menon, Neda Monghadam, Srinivas Murthy, Katie O'Hearn, Corey Slumkoski, Martha Walls, Krista Wollny, Robert Fowler, Paula Robeson  
Funding Agency: Canadian Institutes of Health Research  
Funding Amount: \$332,775
  
5. Long-Term Clinical Outcomes Associated with Changes in Diaphragm Thickness in Mechanically Ventilated Patients 2020-2021  
Principal Investigator: **Jenna Wong**  
Co-Investigators: Felicity Backhouse  
Funding Agency: Canadian Critical Care Trials Group  
Funding Amount: \$2,500.00
  
6. Dying During the COVID-19 Pandemic 2020-2021  
Principal Investigator: **France Clarke**  
Co-Investigators: Neala Hoad  
Funding Agency: Canadian Critical Care Trials Group  
Funding Amount: \$2,500.00
  
7. Clinical Research in the Intensive Care Unit (ICU): Perceptions of the ICU Care Team 2019-2020  
Principal Investigator: **Karla Krewulak**  
Co-Investigators: Dori-Ann Martin, Stacy Ruddell, Cassidy Codan, Israt Yasmeen  
Funding Agency: Canadian Critical Care Trials Group  
Funding Amount: \$2,500.00
  
8. Integrated Consent in Adult and Pediatric Intensive Care Research: A Cross-Sectional Survey of ICU Stakeholders in Canada 2019-2020  
Principal Investigator: **Saoirse Cameron**  
Co-Investigators: Katie O'Hearn  
Funding Agency: Canadian Critical Care Trials Group  
Funding Amount: \$2,500.00
  
9. The Hawthorne effect in clinical randomized controlled trials using usual care as comparator 2018-2019  
Principal Investigator: **Marie-Hélène Masse**  
Co-Investigators: Nicole Marinoff  
Funding Agency: Canadian Critical Care Trials Group  
Funding Amount: \$2,500.00
  
10. A survey of parental knowledge and perspectives towards antimicrobial use in the pediatric intensive care unit 2018-2019

Principal Investigator: **Shauna O'Donnell**  
 Co-Investigators: Katie O'Hearn, Dori-Anne Martin  
 Funding Agency: Canadian Critical Care Trials Group  
 Funding Amount: \$2,500.00

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| <p>11. Achieving resilience in acute care nurses (ARISE):<br/>         a randomized Controlled trial of a multi-component intervention for<br/>         nurses in critical Care and trauma<br/>         Principal Investigator: <b>Orla Smith</b><br/>         Co-Investigators: Gyan Sandu and Marlene Santos<br/>         Funding Agency: Canadian Critical Care Trials Group<br/>         Funding Amount: \$2,500.00</p>  | <p>2017-2018</p> |
| <p>12. An Electronic Survey of Physicians' and Nurses' Experience, Knowledge<br/>         and Beliefs around the FLUID Pilot Trial and it's Pragmatic Design<br/>         Principal Investigator: <b>Tracy McArdle</b><br/>         Co-Investigators: Ellen McDonald, Irwin Schweitzer<br/>         Funding Agency: Canadian Critical Care Trials Group<br/>         Funding Amount: \$2,500.00</p>  | <p>2016-2017</p> |
| <p>13. Achieving resilience in acute care nurses (ARISE):<br/>         a randomized Controlled trial of a multi-component intervention for<br/>         nurses in critical Care and trauma<br/>         Principal Investigator: <b>Orla Smith</b><br/>         Co-Investigators: Julie McShane, Murray Krock, Ashley Skiffington,<br/>         Kayleigh Faulkner and Ting Ting (Cecilia)<br/>         Funding Agency: Canadian Association of Critical Care Nurses<br/>         Funding Amount: \$2,500.00</p> | <p>2016-2017</p> |
| <p>14. Ability to assent in the pediatric intensive care unit (ASSENT)<br/>         Principal Investigator: <b>Katie O'Hearn</b><br/>         Co-Investigators: Dori-Ann Martin, Maryse Dagenais<br/>         Funding Agency: Canadian Critical Care Trials Group<br/>         Funding Amount: \$2,500.00</p>  | <p>2016-2017</p> |
| <p>15. Prospective Observational Study of Extubation Delay in Critically Ill Adults<br/>         Principal Investigator: <b>Kurtis Salway</b><br/>         Funding Agency: Canadian Critical Care Trials Group<br/>         Funding Amount: \$2,500.00</p>   | <p>2016-2017</p> |
| <p>16. HALO site close out survey to inform a future international trial<br/>         Principal Investigator: <b>Nicole Marten</b><br/>         Co-Investigator: Lisa Julien<br/>         Funding Agency: Canadian Critical Care Trials Group<br/>         Funding Amount: \$2,500.00</p>  | <p>2015-2016</p> |
| <p>17. Time required to initiate outbreak and pandemic observational research<br/>         Principal Investigators: <b>Asgar Rishu</b> and Nicole Marinoff<br/>         Coinvestigators: Suzette Willems, Nicole Martin, Nicole Poitras,</p>   | <p>2015-2016</p> |

Mariana Dumitrascu, Lisa Julien and Stacy Ruddell  
Funding Agency: Canadian Critical Care Trials Group  
Funding Amount: \$2,500.00

18. RECOVER Program 2015-2017  
Principal Investigators: MS Herridge and JI Cameron  
Co-investigators: S Abbey, NK Adhikari, A Baker, I Ball, J Batt, M Bayley, KJ Bosma, L Brochard, K Burns, S Burns, K Choong, DJ Cook, CW Chow, L Chu, C Dos Santos, ND Ferguson, J Flannery, L Flockhart, R Fowler, J Friedrich, J Granton, P Hebert, S Keshavjee, M Kho, JC Marshall, C Martin, S Mathur, A Matte, H Meggison, S Mehta, D Morris, M Parotto, P Robles, J Rudkowski, Y Skrobik, L Singer, T Sinuff, AS Slutsky, O Smith, A Tan, C Thomas, G Tomlinson  
Granting Agency: DoM Integrated Challenge Grant  
Award: \$200,000
19. Timelines in an International Observation Study of Mechanical Ventilation Discontinuation Practices 2014-2015  
Principle Investigator: **L Rivzi**  
Coinvestigators: K Griffin, N Zytaruk, K Burns, D Cook  
Funding Agency: Canadian Critical Care Trials Group  
Funding Amount: \$2,500.00
20. Understanding resource allocation requirements related to site performance and case report form (CRF) complexity: A retrospective review of data accuracy in the EPOCH study. 2013-2014  
PI: Research Coordinators - **Susan Ferri**, Kate Byrne, Aarthi Kamath  
Research Coordinators: Aarthi Kamath, Sue Ferri, Kate Byrne  
Study PI: Dr. Christopher Parshuram  
Funding Agency: Canadian Critical Care Trials Group  
Funding Amount: \$2,500.00
21. The TiM Study: A Time in Motion study to assess the time burden/feasibility of utilizing a newly defined core data set with associated data dictionary 2013-2014  
PI: **Nicole O'Callaghan**  
Funding Agency: Canadian Critical Care Trials Group  
Funding Amount: \$2,500.00
22. Towards RECOVER: Long-term outcomes and Needs Assessment in Survivors of Prolonged Mechanical Ventilation and their Caregivers 2012–2013  
Principal Investigators: MS Herridge and JI Cameron  
Co-investigators: S Abbey, NK Adhikari, J Batt, DJ Cook, C Dos Santos, Ferguson, J Flannery, R Fowler, J Friedrich, G Leung, JC Marshall, A Matte, H Meggison, A Moody, S Mehta, J Rudkowski, GR Rubenfeld, DC Scales, T Sinuff, As Slutsky, C Tansey, G Tomlinson  
Granting Agency: AHSC AFP Innovation Fund  
Funds: \$198,000.00

23. MOTIVATE Survey to Understand Motivators & Stressors of a Research Coordinator 2012-2013  
Principal Investigator: **N Zytaruk, E McDonald**  
Coinvestigators: L Hand, F Clarke, D Borges, M Bennardo, D Heels-Ansdell  
Funding Agency: Canadian Critical Care Trials Group  
Funding Amount: \$2,500.00
24. A survey to evaluate intensivists' knowledge, attitudes and perceptions regarding antimicrobial stewardship programs in Canadian intensive care units. 2012-2013  
Principal Investigator: **M. Steinberg**  
Coinvestigators: L. Dresser, N. Daneman, O. Smith, A. Matte, N. Marinoff, C. Bell, A. Morris  
Funding Agency: Canadian Critical Care Trials Group  
Funding Amount: \$2,500.00
25. 4-PROTEC-KT (4-Prophylaxis for ThromboEmbolism in Critical Care-Knowledge Translation Program) 2011-2012  
Principal Investigator: Cook DJ  
Co-Investigators: Brown G, Crowther M, Dodek P, Guyatt G, Hall R, Lauzier F, Meade M, Muscedere J, Skrobik Y, Wood G, Zytaruk N  
Granting Agency: CIHR, Meetings, Planning and Dissemination Grant: Knowledge Translation  
Funds: \$96,768
26. Multi-centre Survey of Nurse Attitudes to the Conduct of Critical Care Research 2011-2012  
PI: **Orla Smith**  
Funding Agency: Canadian Critical Care Trials Group  
Funding Amount: \$2,500.00
27. Examining Methods and Practices of Source Data Verification in Canadian Critical Care Randomized Controlled Trials 2011-2012  
PI **Roxanne Ward**  
Funding Agency: Canadian Critical Care Trials Group  
Funding Amount: \$2,500.00
28. Towards RECOVER: Long-term outcomes and Needs Assessment in Survivors of Prolonged Mechanical Ventilation and their Caregivers 2009-2013  
Principal Investigators: MS Herridge and JI Cameron  
Coinvestigators: S Abbey, NK Adhikari, J Batt, DJ Cook, C Dos Santos, ND Ferguson, J Flannery, R Fowler, J Friedrich, G Leung, JC Marshall, A Matte, H Meggison, A Moody, S Mehta, J Rudkowski, GR Rubenfeld, DC Scales, T Sinuff, As Slutsky, C Tansey, G Tomlinson  
Granting Agency: Canadian Institute of Health Research  
Award: \$704,000

29. The PROTECT Consortium: International Strategic Opportunities Program 2009-2010  
Principal Investigator: DJ Cook  
Co-Investigators: M Osterman, J Nates, N Vlahakis, M Rocha,  
O Berwanger, N Zytaruk, J Pemberton,  
Granting Agency: Ontario Ministry of Research and Innovation  
Funds: \$146,500.00
30. PROTECT Annual Investigator's Meeting Principal Investigator: DJ Cook 2009-2010  
Co-Investigators: J Pemberton, N Zytaruk  
Granting Agency: Canadian Institutes for Health Research  
Funds: \$10,000.00
31. The CONSENT Study: A Multicentre, Prospective Study of Recruitment 2008-2010  
Practices in Canadian Adult ICUs  
Principal Investigator: Karen E.A. Burns  
Co-Investigators: Cook DJ, Marshall JC, Rubinfeld G, Smith O, McDonald E,  
Jeffs L, Saginur R, Heslegrave R, Skrobik Y  
Funding Agency: Canadian Institutes for Health Research – Catalyst Grant – Ethics  
Funds: \$79,698.00
32. ABATE-VAP: Active observational study of the adoption and transfer of 2006-2010  
Clinical practice guidelines through education for ventilator associated Pneumonia  
Principal Investigators: Muscedere J, Sinuff T  
Co-Investigators: Morgan B, Heyland DK, Cook DJ, Eva K, Hand L,  
Dodek P, Bouali R, S Keenan  
Funding Agency: Knowledge Translation and Exchange Operating Grant  
Canadian Institutes for Health Research  
Funds: \$358,819.00  
Funding Agency: Bayer Pharmaceuticals  
Funds: \$80,000.00  
Funding Agency: AstraZeneca  
Funds: \$50,000.00  
Funding Agency: Queen's University Research Initiation Grant  
Total Funding; \$518,819
33. PERMIT: Patient Evaluations Ranking Methods for Inclusion in Trials 2005-2006  
Principal Investigator: N Fergusson  
Co-Investigators: D Scales, DJ Cook, N Lazar, O Smith, KA Barrett, JO Friedrich  
Granting Agency: Physicians' Services Incorporated  
Funds: \$76,000.00  
Granting Agency: Canadian Intensive Care Foundation  
Total Funding: \$96,000

34. Behavioural Enforcement of Heparin to Avert Venous Events (BEHAVE) Study 2002-2003  
Principal Investigator: JP McMullin  
Co-Investigators: F Landry, E McDonald, M Crowther, C Rabbat, J Gibson, L Griffith, GH Guyatt, DJ Cook  
Granting Agency: Aventis  
Funds: \$13,752.00
35. Systematic review of the cost of care in private for-profit versus private not-for-profit health care delivery systems 2002-2003  
Principal Investigator: PJ Devereaux  
Co-Investigators: T Sullivan, A Bayoumi, B Grant, C. Lacchetti, DJ Cook, D Heels-Ansdell, GH Guyatt, E McDonald, H Schünemann, K Burns, J Lavis, M Bhandari, N Ravindran, P Choi, R Patel, T Haines  
Granting Agency: Atkinson Foundation  
Funds: \$44,399.00
36. Pneumonia: Organisms and Incidence Trial (POINT) 2002-2003  
Principal Investigator: **E McDonald**  
Co-Investigators: F Landry, C Boudreau, DJ Cook  
Granting Agency: Pharmacia, Incorporated  
Funds: \$12,000.00
37. Lowering of Glucose in Critical Care (LOGIC) Study 2002-2003  
Principal Investigator: JP McMullin  
Co-Investigators: R Jaeschke, DJ Cook, J Gibson, E McDonald, F Landry, C Boudreau, A Sawka  
Granting Agency: Father Sean O'Sullivan Research Centre  
Funds: \$8,700.00
38. Vitamin K deficiency in critically ill patients: A randomized trial 1999-2002  
Principal Investigator: M Crowther  
Co-Investigators: DJ Cook, E McDonald, P Powers  
Granting Agency: Father Sean O'Sullivan Research Centre  
Funds: \$3,500.00
39. GIM/ICU Clinical Effectiveness Outcomes Research Program 1996-2006  
Director: DJ Cook  
Members: H Fuller, R Jaeschke, F Baxter, J Randall, L Griffith, E McDonald  
Granting Agency: Father Sean O'Sullivan Research Centre, St. Joseph's Hospital  
Funds: \$100,000.00 per annum (over 11 years \$1,100,000.00)



**MANUSCRIPTS:**

**2022 1/0/2 (first/last/total)**

1. Chitnis S, Mullane D, Brohan J, Noronha A, Paje H, Grey R, Bhalla RK, Sidhu J, Klein R. Dexmedetomidine Use in Intensive Care Unit Sedation and Postoperative Recovery in Elderly Patients Post-Cardiac Surgery (DIRECT). *J Cardiothorac Vasc Anesth.* 2022 Mar;36(3):880-892. doi: 10.1053/j.jvca.2021.09.024. Epub 2021 Sep 30. PMID: 34887180
2. **Masse MH**, Adhikari NKJ, Thérroux X, Battista MC, D'Aragon F, Pinto R, Cohen A, Mayette M, St-Arnaud C, Kho M, Chassé M, Lebrasseur M, Watpool I, Porteous R, Wilcox ME, Lamontagne F. The evolution of mean arterial pressure in critically ill patients on vasopressors before and during a trial comparing a specific mean arterial pressure target to usual care. *BMC Anesthesiol.* 2022 Jan 3;22(1):6. doi: 10.1186/s12871-021-01529-w. PMID: 34979938; PMCID: PMC8722048.

**2021 2/1/12 (first/last/total)**

1. Abeytunge K, Miller MR, Cameron S, Stewart TC, AlHarfi I, Fraser DD, Tijssen JA. Development of a Mortality Prognostic Tool in Severe Traumatic Brain Injury. *Neurotrauma Reports.* 2021, 2.1. DOI: 10.1089/neur.2020.0039.
2. Aljassim NA, Noël KC, Maratta C, Tam I, Almadani A, Papenburg J, Quach C, Thampi N, McNally JD, Dendukuri N, Lefebvre MA, Zavalkoff S, O'Donnell S, Jouvét P, Fontela PS. Antimicrobial Stewardship in Bronchiolitis: A Retrospective Cohort Study of Three PICUs in Canada. *Pediatr Crit Care Med.* 2021 Sep 27. doi: 10.1097/PCC.0000000000002834. Epub ahead of print. PMID: 34560772.
3. Fergusson NA, Hoiland RL, Thiara S, Foster D, Gooderham P, Rikhraj K, Grunau B, Christenson J, Ainslie PN, Griesdale DEG, Sekhon MS. Goal-Directed Care Using Invasive Neuromonitoring Versus Standard of Care After Cardiac Arrest: A Matched Cohort Study. *Crit Care Med.* 2021 Aug 1;49(8):1333-1346. doi: 10.1097/CCM.0000000000004945. PMID: 33711002.
4. Hoiland RL, Ainslie PN, Wellington CL, Cooper J, Stukas S, Thiara S, Foster D, Fergusson NA, Conway EM, Menon DK, Gooderham P, Hirsch-Reinshagen V, Griesdale DE, Sekhon MS. Brain Hypoxia Is Associated With Neuroglial Injury in Humans Post-Cardiac Arrest. *Circ Res.* 2021 Aug 20;129(5):583-597. doi: 10.1161/CIRCRESAHA.121.319157. Epub 2021 Jul 21. PMID: 34287000; PMCID: PMC8376277.
5. Kim B, Hunt M, Muscedere J, Maslove DM, Lee J. Using Consumer-Grade Physical Activity Trackers to Measure Frailty Transitions in Older Critical Care Survivors: Exploratory Observational Study. *JMIR Aging.* 2021 Feb 23;4(1):e19859.
6. Khan JM, Wood MD, Lee KFH, Maslove D, Muscedere J, English SW, Ball I, Slessarev M, Boyd JG. Delirium, Cerebral Perfusion, and High-Frequency Vital-Sign Monitoring in the Critically Ill. The CONFOCAL-2 Feasibility Study. *Ann Am Thorac Soc.* 2021 Jan;18(1):112-121. doi: 10.1513/AnnalsATS.202002-093OC. Erratum in: *Ann Am Thorac Soc.* 2021 Feb;18(2):378.



7. Lachance O, Goyer F, Adhikari NKJ, Masse MH, Bilodeau JF, Lamontagne F, Leclair MA. High-dose vitamin-C induced prolonged factitious hyperglycemia in a peritoneal dialysis patient: a case report. *J Med Case Rep.* 2021 May 21;15(1):297. doi: 10.1186/s13256-021-02869-4. PMID: 34020705; PMCID: PMC8139369.
8. Lau V, Binnie A, Basmaji J, Baig N, Opgenorth D, Cameron S, O'Hearn K, McDonald E, Senaratne J, Sligl W, Zuege D, Rewa O, Bagshaw S, Tsang J. Needs assessment survey identifying research processes which may be improved by automation or artificial intelligence: ICU Community Modeling and Artificial Intelligence to Improve Efficiency (ICU-ComMA). *Journal of Intensive Care Medicine.* December 2021. doi:10.1177/08850666211064844
9. **Newman ANL**, Kho ME, Harris JE, Zamir N, McDonald E, Fox-Robichaud A, Solomon P; Canadian Critical Care Trials Group. Cardio Cycle: a pilot feasibility study of in-bed cycling in critically ill patients post cardiac surgery. *Pilot Feasibility Stud.* 2021 Jan 7;7(1):13. doi: 10.1186/s40814-020-00760-5.
10. **O'Hearn, K**, Gibson J, Krewulak K, Porteous R, Saigle V, Sampson M, Tsampalieros A, Barrowman N, **Cameron S**, and the Canadian Critical Care Trials Group. Consent models in Canadian critical care randomized controlled trials: A scoping review. *Can J Anaesth.* 2021 Dec 14. English. doi: 10.1007/s12630-021-02176-y. Epub ahead of print. PMID: 34907503.
11. REMAP-CAP Investigators; ACTIV-4a Investigators; ATTACC Investigators, Goligher EC, Bradbury CA, McVerry BJ, Lawler PR, Berger JS, Gong MN, Carrier M, Reynolds HR, Kumar A, Turgeon AF, Kornblith LZ, Kahn SR, Marshall JC, Kim KS, Houston BL, Derde LPG, Cushman M, Tritschler T, Angus DC, Godoy LC, McQuilten Z, Kirwan BA, Farkouh ME, Brooks MM, Lewis RJ, Berry LR, Lorenzi E, Gordon AC, Ahuja T, Al-Beidh F, Annane D, Arabi YM, Aryal D, Baumann Kreuziger L, Beane A, Bhimani Z, Bihari S, Billett HH, Bond L, Bonten M, Brunkhorst F, Buxton M, Buzgau A, Castellucci LA, Chekuri S, Chen JT, Cheng AC, Chkhikvadze T, Coiffard B, Contreras A, Costantini TW, de Brouwer S, Detry MA, Duggal A, Džavík V, Efron MB, Eng HF, Escobedo J, Estcourt LJ, Everett BM, Fergusson DA, Fitzgerald M, Fowler RA, Froess JD, Fu Z, Galanaud JP, Galen BT, Gandotra S, Girard TD, Goodman AL, Goossens H, Green C, Greenstein YY, Gross PL, Haniffa R, Hegde SM, Hendrickson CM, Higgins AM, Hindenburg AA, Hope AA, Horowitz JM, Horvat CM, Huang DT, Hudock K, Hunt BJ, Husain M, Hyzy RC, Jacobson JR, Jayakumar D, Keller NM, Khan A, Kim Y, Kindzelski A, King AJ, Knudson MM, Kornblith AE, Kutcher ME, Laffan MA, Lamontagne F, Le Gal G, Leeper CM, Leifer ES, Lim G, Gallego Lima F, Linstrum K, Litton E, Lopez-Sendon J, Lothar SA, Marten N, Saud Marinez A, Martinez M, Mateos Garcia E, Mavromichalis S, McAuley DF, McDonald EG, McGlothlin A, McGuinness SP, Middeldorp S, Montgomery SK, Mouncey PR, Murthy S, Nair GB, Nair R, Nichol AD, Nicolau JC, Nunez-Garcia B, Park JJ, Park PK, Parke RL, Parker JC, Parnia S, Paul JD, Pompilio M, Quigley JG, Rosenson RS, Rost NS, Rowan K, Santos FO, Santos M, Santos MO, Satterwhite L, Saunders CT, Schreiber J, Schutgens REG, Seymour CW, Siegal DM, Silva DG Jr, Singhal AB, Slutsky AS, Solvason D, Stanworth SJ, Turner AM, van Bentum-Puijk W, van de Veerdonk FL, van Diepen S, Vazquez-Grande G, Wahid L, Wareham V, Widmer RJ, Wilson JG, Yuriditsky E, Zhong Y, Berry SM, McArthur CJ, Neal MD, Hochman JS, Webb SA, Zarychanski R. Therapeutic Anticoagulation with Heparin in

Critically Ill Patients with Covid-19. *N Engl J Med*. 2021 Aug 26;385(9):777-789. doi: 10.1056/NEJMoa2103417. Epub 2021 Aug 4. PMID: 34351722; PMCID: PMC8362592.

12. Zorko DJ, McNally JD, Rochweg B, Pinto N, Couban R, O'Hearn K, Choong K. Pediatric chronic critical illness: a systematic review protocol. *JMIR Res Protoc* 2021;10(10):e30582.

**2020 7/0/38 (first/last/total)**

1. Bagshaw SM, Tran DT, Opgenorth D, et al. Assessment of Costs of Avoidable Delays in Intensive Care Unit Discharge. *JAMA Network Open*. 2020;3(8):e2013913. doi:10.1001/jamanetworkopen.2020.13913.
2. Cook D, Kho M, Duan E, Alhazzani W, Takaoka A, Clarke F, Zytaruk N, Vanstone M. Principles Guiding Non-Pandemic Critical Care Research during a Pandemic. *Crit Care Med* 2020;48(10):1403-1410.
3. Cooper J, Stukas S, Hoiland RL, Fergusson NA, Thiara S, Foster D, Mitra A, Stoessl JA, Panenka WJ, Sekhon MS, Wellington CL. (2020). Quantification of Neurological Blood-Based Biomarkers in Critically Ill Patients With Coronavirus Disease 2019. *Crit Care Explor*. 2(10): e0238.
4. D'Aragon F, Lamontagne F, Cook D, Dhanani S, Keenan S, Chassé M, English S, Burns KEA, Frenette AJ, Ball I, Boyd JG, Masse MH, Breau R, Akhtar A, Kramer A, Rochweg B, Lauzier F, Kutsogiannis DJ, Ibrahim Q, Hand L, Zhou Q, Meade MO; Canadian Critical Care Trials Group and the Canadian Donation and Transplant Research Program. Variability in deceased donor care in Canada: a report of the Canada-DONATE cohort study. *Can J Anaesth*. 2020 Aug;67(8):992-1004.
5. Dionne JC, Johnstone J, Smith O, Rose L, Oczkowski S, Arabi Y, Duan EH, Lauzier F, Alhazzani W, Alam N, Zytaruk N, Campisi J, Cook DJ. Content analysis of bowel protocols for the management of constipation in adult critically ill patients. *J Crit Care*. 2020 Aug;58:98-104.
6. Fayed N, Cameron S, Fraser D, Cameron JI, Al-Harbi S, Simpson R, Wakim M, Chiu L, Choong K. Priority outcomes in critically ill children – A patient and parent perspective. *Am J Crit Care*. 2020 Sep 1;29(5):e94-e103. Doi: 10.4037/ajcc2020188.
7. Fiest K.M., Krewulak K.D., Sept B.G., Stelfox H.T. The authors reply. *Crit Care Med*. 2020 Nov;48(11):e1162-e1163. doi: 10.1097/CCM.0000000000004623. PMID: 33038167.
8. Fiest, K.M., Krewulak, K.D., Ely, E.W., Davidson, J.E., Ismail, Z., Sept, B.G., Stelfox, H.T. Partnering With Family Members to Detect Delirium in Critically Ill Patients. (2020) *Crit Care Med*. doi: 10.1097/CCM.0000000000004367.
9. Fiest, K.M., Krewulak, K.D., Sept, B.G., Spence, K.L., Davidson, J.E., Ely, E.W., Soo, A., Stelfox, H.T. A study protocol for a randomized controlled trial of family-partnered delirium prevention, detection, and management in critically ill adults: the ACTIVATE study. (2020) *BMC Health Serv Res*. 20(1):453. doi: 10.1186/s12913-020-05281-8.

10. Garcia-Jorda D, Martin DA, Camphaug J, Bissett W, Spence T, Mahoney M, Cheng A, Lin Y, Gilfoyle E. Quality of clinical care provided during simulated pediatric cardiac arrest: a simulation-based study. *Can J Anaesth.* 2020 Jun;67(6):674-684.
11. Garcia-Jorda, D., Walker, A., Camphaug, J., Bissett, W., Spence, T., Martin, D. A., Lin, Y., Cheng, A., Mahoney, M., & Gilfoyle, E. (2019). Bedside chest compression skills: performance and skills retention in in-hospital trained pediatric providers. A simulation study. *Journal of Critical Care, 50*, 132-137.
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3. Dionne J, Duan E, Clarke F, Hand L, Millen T, Sandu G, Hodder J, Santos M, Shah S, Trembley MC, Gomes B, Leclair L, Montroy K, Watpool I, Porteous R, Acres S, Foster D, Auld F, Williams V, Marchand J, Campisi J, Alam N, Lebrasseur M, Thompson P, Hewer T, Gilles D, Hunt M, Georgescu I, Boyd T, Lys J, Marten N, Campbell E, Bentall T, Kavikondala K, Willems S, Panchbhaya Z, Booth J, Ruddell S, Richter B, Tassy D, Jesso R, Marinoff N, Perez A, Kaur N, Campbell T, Lizotte P, Lavoie L, Dionne M, Saunders L, Zytaruk N, Heels-Ansdell D, Johnstone J, Cook D for the PROSPECT Investigators and the Canadian Critical Care Trials Group Research Coordinator Group. Diarrhea During Mechanical Ventilation: A Multicenter Study. CCCF Academy. Dionne J. 11/08/18; 234195; 77.
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9. **Masse MH**, Battista MC, D'Aragon F, Tai H, Parent JL, Roucou X, Boisvert FM, Auger-Messier M, Adhikari NKJ, Lamontagne F. Effects of catecholamine therapy on the immune system: unsuspected consequences of routine interventions and opportunities of individualized care. Journée MERCK de la FMSS. Mai 2018.
10. McNally J.D., O'Hearn K., Loughheed J., Fergusson D., Doherty D., Maharajh G., Weiler H., Jones G., Khamessan A., Redpath S., Geier P., McIntyre L., Lawson M., Menon K. Prevention of post-cardiac surgery vitamin D deficiency in children with congenital heart disease: results of a pilot dose evaluation randomized controlled trial. 9th Congress of the World Federation of Pediatric Intensive & Critical Care Societies, Singapore, 2018-06-12.
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12. **O'Hearn K.**, Martin D.-M., Dagenais M., Menon K. Ability to assent in the pediatric critical care research a prospective environmental scan of two Canadian PICUs. 9th Congress of the World Federation of Pediatric Intensive & Critical Care Societies, Singapore, 2018-06-11.
13. **O'Hearn K**, Ward R, Foster D, Clayton L, Julien L, Marten N, Matte A, McDonald E, Smith O, Van Huysse J, Zytaruk N, Cook D, for the Canadian Critical Care Research Coordinators Group (CCCRCG). Quantifying the Academic Activities of the Canadian Critical Care Research Coordinators Group (CCCRCG). Critical Care Canada Forum, Toronto, 07-11-2018.

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15. Richard MA, Masse MH, D'Aragon F, St-Arnaud C, Mayette M, Palanchuck S, Croteau E, Adhikari N, Fraser W, Carpentier A, Gauthier D, Lanthier L, Touchette M, Lamontagne A, Chénard J, Mehta S, Sansoucy Y, Lamontagne F, Lepage M. Cerebral blood flow in a resuscitated septic shock population: an ASL study . ISMRM-ESMRMB, Paris, Juin 2018.
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2. **Clarke F**, Toledo F, Zytaruk N, Boyle A, Woods A, Swinton M, Pellizzari J, Shears M, Hoad N, Duchesne S, Arora S, Vanstone M, Heels-Ansdell M, Payne G, Cook DJ. Continuing Connections with Bereaved Family Members: Post-Mortem Experiences From the 3 Wishes Project. Canadian J Anesthesia 2017.
3. Coke R, Kwong A, Dwivedi DJ, Xu M, McDonald E, Marshall JC, Fox-Robichaud AE, Charbonney E, Liaw PC. Cell free DNA and protein C in trauma patients: an observational study. Crit Care, 37th International Symposium on Intensive Care and Emergency Medicine (ISICEM), Poster Presentation, Brussels, Belgium (Mar 2017).
4. D'Aragon F, Dhanani S, Cook DJ, Ribic CM, Cupido C, Lamontagne F, Arseneau E, Hand L, Whittingham H, Gangji AS, Payne C, Burns KE, Akhtar A, Guyatt G, and Meade MO.

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5. D'Aragon F, Akhtar F, Arseneau E, Hand L, Masse MH, Maureen O. Meade for the Canadian Critical Care Trials Group and Canadian National Transplant Research Program. Regulatory Barriers to Research in Deceased Organ Donor Care. Critical Care Canada Forum, Toronto, 2017
6. D'Aragon F, Dhanani S, Cook DJ, Ribic CM, Cupido C, Lamontagne F, Arseneau E, Hand L, Whittingham H, Gangji AS, Payne C, Burns KE, Akhtar A, Guyatt GH, Meade MO. DONATE-Pilot Study. American Thoracic Society Annual Meeting. Washington, 2017. (oral)
7. D'Aragon F, Frenette AJ, Cook D, Lamontagne F, Ball I, Akhtar A, Arseneau E, Hand L, Masse MH, Rochweg B, Williamson D, Dhanani S, Meade M for the Canadian Critical Care Trials Group and the Canadian National Transplant Research Program DONATE: A 8 centre pilot study. 14th Congress of the International Society for Organ Donation and Procurement. Geneva (Switzerland), 2017 (oral)
8. D'Aragon F, Dhanani S, Cook DJ, Ribic C, Cupido C, Lamontagne F, Arseneau E, Hand LE, Whittingham H, Gangji A, Payne C, Burns K, Akhtar A, Guyatt G, Meade MO. the Canadian Critical Care Trials Group and the Canadian National Transplant Research Program. DONATE Pilot study: Adherence to Guidelines on Organ Donor Management. Scientific meeting of the Canadian Society of Transplantation. Halifax, 2017 (poster)
9. Dionne JC, Duan E, Johnstone J, Meade MO, Lauzier F, Marshall JC, Saunders L, Anderson S, Zytaruk N, Clarke F, Heels-Ansdell D, Cook D for the PROSPECT Investigators and the Canadian Critical Care Trials Group. Diarrhea and Clostridium difficile infection in the ICU: A Multicenter Study. *Gastroenterology* 2017, 152,(5), supplement 1, S942.
10. Lafleur V, Lachance O, Masse MH, D'Aragon F. Potential for tissue donation after sudden cardiac arrest : a single centre study. Canadian Anaesthesiology Society 2017 Niagara Falls.
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resonance imaging arterial spin labeling in critically-ill septic patients and control subjects. ESICM 2017 Vienna.

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19. **Zytaruk N**, Clarke F, Saunders L, Foster D, Alcuaz V, Good J, Auld F, Henderson W, Dodek P, Wood G, Ovakim D, S Reynolds, Duan E, Rochweg B, Dionne J, Centofanti J, Heels-Ansdell D, Morris A, Garber G, Marshall JC, Meade MO, Lauzier F, Thebane L, Mehta S, Herridge M, Golan E, McIntyre L, Pagliarello G, Karachi T, Johnstone J, Cook D for the PROSPECT British Columbian Collaborators, Methods Center, and the Canadian Critical Care Trials Group. Antimicrobial use in mechanically ventilated patients: Opportunities for enhanced antimicrobial stewardship. *Canadian Critical Care Conference Whistler Abstract Book* 2017.
20. **Zytaruk N**, Wallace C, Copland M, Alhazzani W, Kanji S, English S, Muscedere J, Lauzier F, Deane A, Barletta J, Cook D for the REVISE Investigators, the CCCTG and ANZICS-CTG. Colour Stability Testing for Pantoprazole Formulations: Can Blinding be Maintained in a Randomized Trial? *Can J Anesthesia* 2017.

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7. Kho ME, Clarke F, Duffett M, Shears M, Cook DJ. A Randomized Trial of Video-Augmented Verbal Consent versus Verbal Consent for Substitute Decision Makers in an Early ICU Cycling Clinical Trial. *Am J Resp Crit Care Med* 2016;193:A4295.
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10. McNally JD, Nama N, Iliriani K, O'Hearn K, Amrein K, Fergusson D, Fontela P, Menon K. Vitamin D status and mortality in critically ill children: A systematic review and meta-analysis. *World Congress of Pediatric Intensive and Critical Care*. Toronto, Canada, June 2016. (conference abstract and poster presentation)
11. Nama N, McNally JD, Iliriani K, Pojsupap S, Sampson M, O'Hearn K, McIntyre L, Fergusson D, Menon K. A Scoping Review and an Online Database of Pediatrics Clinical Trial Administering High Doses of Vitamin D. 2016 CHEO Resident and Fellow Research Day, Ottawa. (poster presentation)
12. Nama N, Menon K, Iliriani K, Pojsupap S, Sampson M, O'Hearn K, Zhou LL, McIntyre L, Fergusson D, McNally JD. A Systematic Review of Pediatric Clinical Trials of High Dose

Vitamin D. 28th International Congress of Pediatrics, Vancouver, Canada. August 22, 2016.  
(Poster presentation, \*presented by Zhou LL)

13. **Opgenorth D**, Stelfox HT, Wickson Pet al. Sources of Impact of Strain on Intensive Care Unit Capacity: A Survey of Critical Care Professionals. Critical Care Canada Forum, Toronto, Ontario, 2016.
14. Parker M, Aguirre E, Menon K, Choong K. Feasibility of Co-enrollment in Two Pediatric Resuscitation Randomized Controlled Trials Employing an Exception to Consent. 8th World Congress on Pediatric Intensive and Critical Care, Toronto, Canada, June 4-8, 2016.
15. Parotto M, Tomlinson G, Tansey CM, Matte A, Robles P, Mehta G, Guest C, Mazer C, Slutsky A, Cook DJ, Cheung A, Herridge M, and the Canadian Critical Care Trials Group. Risk stratification of the Toronto ARDS cohort using RECOVER Program disability groups. Am J Resp Crit Care Med 2016;193:A1847.
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19. Rotella S, Xu M, Wardell C, Rieger M, Rossi L, McDonald E, Main C, Surette M, Fox-Robichaud. Enhanced Culturing Techniques Identify Unexpected Pathogens in Patients with Suspected Ventilator-Associated Infections: The Fast Identification of Pathogens (FindPath) Pilot Study. Am J Respir Crit Care Med, 193;2016:A6903. Presented at the American Thoracic Society International Conference (May 2016) San Francisco, California, United States.
20. **Santos M**. (2015 Breakfast of our Champion Conference and poster presentation). Research Quality Audit of a Clinical Trial - Arrival to Survival: Use of the Plan-Do-Study-Act (PDSA) approach
21. **Shears M**, Swinton M, Clarke F, Toledo F, Woods A, Boyle A, Hoad N, French T, Rose T, Hand-Breckenridge T, Giacomini M, Vanstone M, Sheppard S, Cook D. Expanding the 3 Wishes Project: Potential Challenges and Solutions. Niagara Health Quality Symposium Abstract Book 2016.

22. Swinton M, Rose T, Woods A, Boyle A, Toledo A, Hand-Breckenridge T, Shears M, Cook D. Spirituality during the Dying Process in the ICU: Findings from the 3 Wishes Project. Crit Care Med 2015;43(12):suppl A362.
23. Verschoor CP, Loukov D, Novakowski KE, Naidoo A, Thevaranjan N, Dorrington MG, Malik M, Lamarche D, Surette M, Clarke F, Zytaruk N, Hand L, McDonald E, Hoad N, Wachmann KA, Johnstone J, Meade MO, Marshall JC, Karachi T, Charbonney E, Ansdell D, Cook DJ, Bowdish DME for the PROSPECT Investigators and the Canadian Critical Care Trials Group. Circulating Inflammatory and Immunomodulatory Mediators in Critically Ill Patients. Canadian Critical Care Forum 2016, Toronto, ON, October 2016 Can Crit Care Forum Abstract Book 2016

**2015 15/5/30 (first/last/total)**

1. Bryson J, Xu M, Liaw P, Fox-Robichaud A, **Smith O, McDonald E.** Co-enrollment and Deferred Consent, Strategies to optimize recruitment in critical care trials: The DYNAMICS DUO Study Crit Care Can Forum (CCCF), Poster Presentation. Nov 2015
2. **Power P, Bryson J, Kokowska A, Zariffah H, Schoenberg J, Gregus K, Creary T, Pettit S, McDonald E.** Co-enrollment Practices in Diverse Cardiovascular Surgical Trials: an Observational pre- and post- study. Poster Presentation CCC Nov 2015
3. **Cockhill C,** Mian O, Rizzo M, Siegal D, Chan H, **McDonald E.** Overweight is a risk factor for venous thromboembolism after total knee arthroplasty despite rivaroxaban thromboprophylaxis. Oral Poster Presentation, ISTH, Toronto ON, June 2015.
4. Mian O, Cockhill C, Rizzo M, Siegal D, Chan H, **McDonald E.** Initiating Thromboprophylaxis with Rivaroxaban up to 26 hours after Elective Knee Arthroplasty does not increase the incidence of Venous Thromboembolism. Poster Presentation, ISTH, Toronto ON, June 2015.
5. **Schnurr T, Cooke S, Kazimer D, Sayles MJ, McDonald E.** A Survey of Clinical Research Coordinators How to Manage the Clinical Research Paperwork Mountain. Poster Presentation, ISTH, Toronto ON, June 2015
6. Savage RD, Fowler RA, Bagshaw SM, Cook D, Dodek P, Hall R, Kumar A, Lamontagne F, Lauzier F, Marshall J, Martin CM, McIntyre L, Muscedere J, Reynolds S, Rishu AH, Stelfox HT, Daneman N for the CCCTG. The effect of inadequate initial empiric antimicrobial treatment on mortality in critically ill patients with bloodstream. ID Week, San Diego, October 2015
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Colonization) Trial Investigators and the Canadian Critical Care Trials Group. Screening Weeks: A Pilot Trial Management Metric. *Crit Care Med* 2015;43(12):suppl A4282

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11. Duan EH, Adhikari NK, D'Aragon F, Hand L, Austin P, Al-Hazzani W, Fox-Robichaud AE, Cook DJ, Ferguson N, Meade MO for the OSCILLATE Investigators. ARDS treatment strategies and protocols: availability in 25 tertiary care ICUs. *Am J Resp Crit Care Med* 2015;191:A3143.
12. Duan EH, Adhikari NK, Hand L, D'Aragon F, Austin P, Zhou Q, Alhazzani W, Cook DJ, Ferguson ND, Meade MO. Contemporary ventilation strategies and adjunctive therapies for acute respiratory distress syndrome (ARDS). *European Society of Intensive Care Med*. Berlin, Germany. October 5 2015.
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14. Swinton M, Rose T, Toledo F, Hand-Breckenridge T, Woods A, Boyle A, Clarke F, Zytaruk N, Saunders L, Shears M, Sheppard RD, Cook D. Interprofessional Collaboration in the ICU: Determinants of Success in the 3 Wishes Project. *Can Crit Care Forum Abstract Book* 2015.
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