

CURRICULUM VITAE

SECTION I: IDENTIFICATION

SKROBIK, Yoanna

PROFESSION: Physician (Internist intensivist) CISSS de Laval, McGill University Health Center
Montréal, Québec

Titular Professor, Faculty of Medicine, Université de Montréal
Adjunct Professor, Department of Medicine, McGill University
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Signature:

Training

College

1976-1978 D.E.C., Marianopolis College

University

1983 (June) MD, Université de Montréal
 1984 (June) Internship (internal medicine), McGill University
 1987 (June) Internal Medicine specialty diploma, University of Toronto
 1986-88 Critical care training, University of Toronto
 2011-13 Master's degree in pharmacology, Université de Montréal

Certifications

1984 (June 30) LMCC (no 184-0974), Collège des médecins du Québec
 1987 (June) Internal Medicine, Royal College of Physicians and Surgeons of Canada (RCPSC) and Corporation professionnelle des médecins du Québec (CSPQ)
 1989 (June) Certification, internal medicine, American Board of Internal Medicine (ABIM)
 1991 (Sept.) Certification, critical care, ABIM; recertification in 2002

Additional training

1987 (July) Basics in Statistics and Epidemiology, McMaster University, Dr. D. Sackett
 1999 (May) Topics in Clinical Epidemiology, (513-679-C), McGill University
 2000 (Nov.) Ethics in Post-Doctoral Training, Université de Montréal
 2000 (Nov.) Program Director Training Program, Royal College of Physicians and Surgeons of Canada
 2001 Critical care recertification preliminary exams, American Board of Internal Medicine
 2002 Ethics in Research (PLU 6046), Université de Montréal
 2004 Modular workshop, exam jury members, Royal College of Physicians and Surgeons of Canada
 2005 Basic Modular workshop, exam jury, Royal College of Physicians and Surgeons of Canada
 2013 Online ethics training (MSSS modules 1 and 3), GCP/NIH
 2014 Université D'automne, Pédagogie Appliquée Aux Sciences de La Santé (Development of health science teaching role skills)
 2016 Harvard Negotiation course, Harvard Law school
 2017 CRAN/INSPO (National Public Health Institute/ Opioid dependency) 'Opioid-related disorder treatment'

Academic Career

1989-2000 Assistant Professor, McGill University
 1993-2003 Assistant Professor of Clinical Medicine, Université de Montréal
 2000-present Adjunct Professor of Medicine, McGill
 2003-2011 Associate Professor of Clinical Medicine, Université de Montréal
 2011-present Titular Professor of Medicine, Université de Montréal
 2012-present Chair, Lise and Jean Saine Chair in Critical Care Medicine, Université de Montréal
 2014 Adjunct Associate Professor of Medicine, Queen's University
 2016 Adjunct Professor of Medicine, Queen's University

Clinical practice

1988-1991 St Mary's Hospital, internal medicine, critical care
 1989-1995 Montreal General Hospital, critical care
 1991-2013 Hôpital Maisonneuve-Rosemont, critical care (principal activity), internal medicine
 2008-2010 Royal Victoria Hospital, internal medicine (consultations)
 2007-present Hôpital de l'Archipel, Îles de la Madeleine, Internal Medicine
 2104-2016 Hôpital Jean Talon, critical care
 2014-present Kingston General Hospital, critical care
 2016-present Opus clinic, internal medicine

Quality Improvement, Teaching and pedagogical initiatives

Content expertise in Quality Improvement initiatives

Provincial

British Columbia PAD launch day content expert BC provincial pain, sedation, delirium screening quality improvement initiative, March 2014

Manitoba PAD QA Winnipeg regional improvement initiative content expert May 2013

Alberta Edmonton pad QUALITY improvement initiative May 2014

National

2016 (Jan-Dec.) Canadian collaborative (41 pediatric and adult ICUs); 'PAD your ICU' QI Pain, agitation and delirium management

2008-present CPSI (Canadian Patient Safety Institute) Faculty, National webinars/ Canadian Critical Care Collaborative & Canadian Critical Care Society for the safe implementation of current evidence in Canadian ICUs

2016 Content expert, KT, CIHR funded project, 'Development and Evaluation of a Family-Partnered Care Pathway for Critically Ill Older Patients'

International

ICU sedation challenge: Nurse-led sedation delivery pathway and educational intervention to maintain critically ill mechanically ventilated patients at recommended sedation levels. NHS funding, led by Valerie Page

Invited member, SCCM ICU Liberation Committee (2017–2019) oversight & guidance, ICU Liberation Campaign

Teaching recognition

1994, 1996, 1997 Nomination, professor of the year, Hôpital Maisonneuve-Rosemont

2012 Academic chair in recognition of teaching, clinical and research in critical care

Supervision of graduate students

Supervision of research projects (student's names in italics)

1995 Role of EchF in the work of breathing. *N. Van Havre*, R3 Internal Medicine Université de Montréal

1998-2000 Delirium in intensive care: *MJ. Dubois*, R5 ICU fellow, and *Dr. N. Bergeron*, Psychiatry, U. de Mtl

2000-2002 Prospective randomized study of resuscitation with compression/decompression pump in cardiac arrest, *Dr. F. Marquis*, R3 Internal Medicine/critical care fellow, Université de Mtl

2000-2002 Prospective randomized study of resuscitation training (Edu-code), *Dr. F. Marquis*, R3 U. de Mtl

2001-2002 Prevention of delirium in intensive care, *Dr. S. Chayer*, R5 critical care, Université de Montréal

2001-2004 Thoracic impedance tomographic imaging, *Dr. Robert Guardo*, École Polytechnique, *Dr. F. Marquis*; *Nicolas Coulombe*, BioMed MSc, Polytechnique; *Dr. R. Costa*, U. Cattolica del S Cuore Rome

2003 Ethics in resuscitation, *Dr. Stéphane Ahern* Université de Montréal

2003 End-of-life decision-making by Canadian residents: experiencing limiting care, *Dr. T. Gorman*.

2005 ICU nurses' assessment of delirium, pain and sedation, *Dr. R. Jamal*, R2 medicine U. de Montréal

2005 "Patterns" in practice among intensivists: opiates, sedatives and antipsychotics, *Dr. R. Jamal*

2010 Systematic review of the literature on neurological intensive care sedation practices, analgesia and management of delirium, *Dr. Omar Ayoub*, R5 Neurology, McGill University

2011-12 Systematic evaluation of feasibility in pain, level of sedation and delirium in neurological intensive care assessments: *Dr. Amy Yu*, R3 Neurology, McGill University

2012 (Sept.)- Collaboration, Mobilization in the ICU, master's program, École Polytechnique

2013 (April) *Elise Tremblay*, *Joannie Beaudoin*, *Ariane Couture*, *Sarah Dupuis*, *Evan Morissette Labbé*

2013-2017 Supervisor, Early ICU Mobilization: *Gregoire Marois*, masters of physiotherapy, U. de Montréal.

2013-2015 Assessment of pain and analgesia in neuro-critically ill patients: *Dr. Fahd Alshoubaie*, *Dr. Fred Zweller*, R6 Neurosurgery

2015 PhD nursing supervision, delirium project, *Helena Claesson Lingehall* R.N. (Sweden)

2016-7 PhD neurocritical care delirium project supervision, *Laura Krone Larsen* (Denmark)

2017 Evaluation of a context-adapted wiki-based decision aid supporting critically ill patients' decisions about life-sustaining therapies - a pilot project, *Ariane Plaisance* (Laval)

Supervision of graduate students (cont'd)*Supervision, Biomedical Engineering:*

2004-6 Elise Athocine; Masters of Biomedical Engineering (Grenoble University and École Polytechnique) France-Quebec cotutelle; Evaluation of multiple EMGs (diaphragm, nasal, sternocleidomastoid) in triggering mechanical ventilation; co-director Dr. S. Gottfried, Dr. P. Savard, Pierre-Yves Gummery)

Supervision, graduate diploma:

2007 Isabelle Ayotte; Diplôme d'études supérieures (DÉS); Critical care nursing teaching tool validation

Supervision, master's students, FES (Faculty of Graduate Studies):

2003-06 delirium prevention and risk factors in intensive care, Sébastien Ouimet, MSc, Biomedical sciences, U. de Montréal; Research director/ supervisor, \$17,500 bursary, Quebec Respiratory Health Training program (QRHTP), Circulatory and Respiratory Health & Respiratory Health Networks, FRSQ

2005-06 I-SAVE Study (Impact of Sedation protocols, Analgesia and evaluated ICU delirium): a pharmaco-economic study, Cindy Bégin, BPharm, Julie Moisan, BPharm, MPharm; with Jean Lachaine, Ph.D.

2006-09 Draft assessment of the role of CYP3A4 in iatrogenic coma and delirium in ICU patients; Vadym Tarasevych, Biomedical Sciences, Université de Montréal Supervision, master's in med. Education.

Participation in juries

2001 (March) Internal visit, dermatology program, Université de Montréal
 2001-03 Examiner, Royal College of Physicians, Internal Medicine
 2002-04 Evaluator, applications for funds from Canadian Intensive Care Foundation
 2003-04, 2006 Evaluator, competition for the best scientific abstract, Critical Care Canada Forum, Toronto
 2007 External evaluator, academic record of Dr. Kusum Menon, University of Ottawa
 2008 External evaluator, academic record of Dr. Christine Arsigny, Kingston University
 2006 (June) Thesis review juror, Sébastien Ouimet, Biomedical Sciences, June 2006
 2008 (June) Thesis review juror, Vadym Tarasevych, Biomedical Sciences
 2014 External evaluator, academic record of Dr Catherine St-Pierre, university of Sherbrooke

Teaching*Teaching methods and formulas*

2000 (Oct.) "What's new in CPR" (online presentation), joint McGill University/Boston University/Université de Montréal continuing medical education website (viewed by over 10,000 listeners)
 2006 (Feb. 10) Participation in medical education study comparing physical examinations on patients, simulators, and mannequins, Vancouver General Hospital Education study
 2010-2012 Mentorship program, intensive care, in collaboration with Pfizer (including courses targeting specific expertise and "custom" training for general practitioners and specialists working in intensive care).

Formal didactic University courses

1999 MAR 2080G-A; Infections and Septic Shock, Université de Montréal, Faculty of Medicine, Respiratory Therapy certificate course
 2005 MMD 2134; Systemic Problems, Faculty of Medicine, Université de Montréal
 2013-16 GBM3000; Sensorial physiology (3-hour lecture), annual biomedical engineering course (master's level).
 2017 ECOS MMD2236– 17 May 2017

Annual clinical courses

1989-91, 1996 ICS (Introduction to Clinical Sciences), 2nd-3rd-year medical students, McGill (1989-91 & 1996)
 1989-90 Introduction to Critical Care teaching rotation pilot project, St Mary's Hospital, McGill
 1990 Objective structured clinical examination (OSCE) examiner, McGill University

Formal hospital-based courses

- 1988-91 Intensive care teaching rounds, St. Mary's Hospital: Weekly topic review; monthly journal club
 1993-98 Critical care teaching for internal medicine, family medicine surgery and anesthesia residents, Hôpital Maisonneuve; alternating presentations (q2 weekly) with presenters and topics.
 1994-97 Intensive care teaching, internal medicine program residents, MGH (presentations and organization)
 1991-2004 Hôpital Maisonneuve-Rosemont. Weekly ICU lectures, from 12 to 15 courses/year 1991-2004; 8 -10 courses/yr. thereafter, on various aspects of shock, CPR, non-invasive ventilation, ventilation, sepsis and complications, delirium, and nutrition; presentation at Medicine rounds once a year.
 1997-2005 Responsible for twice-yearly assessment exams for internal medicine residents
 2000-03 Responsible for research projects by residents from the core internal medicine program

Teaching within professional activities

- 1991-2013 Medical ICU training at Hôpital Maisonneuve-Rosemont with 3-6 residents/rotation, at different levels (R1-5) and programs (anesthesia, family & internal medicine). Surgical ICU training at HMR and Hôpital Sacré Coeur Trauma unit; 1-3 surgical or anesthesia residents (R1 to R4). Current bedside and didactic teaching at Kingston General Hospital, with clerks and residents of various specialties and levels, with similar pedagogical model. All hospital clinical activities have and continue to include residents, informal discussions, case reviews, and relevant topics in didactic or "Q&A" form.

Pedagogical activities within critical care specialty programs

- 2013-15 Promotion and participation, research performance and methodology seminars, CCCTG school
 1992-98 Organization and lecture delivery, Fellows, Critical Care, Université de Montréal
 1993-97 Organization and lecture delivery, Fellows, Intensive Care, McGill University
 1993-2006 Organization and supervision of oral examinations, ICU fellows and (ad hoc) internal medicine
 2000-04 Organization of courses (program director) for intensive care fellows
 2000-04 Scientific educational meetings for the critical care program (for fellows and intensivists from l'Université de Montréal, McGill and Laval Universities) 2-3 times/yr.
 2000-02 Fellows, Critical Care, Université de Montréal
 1992-2016 Lectures, rounds, research supervision, ICU fellows U. de Montréal, McGill and Kingston

Participation in scientific meetings

- 1991-2013 Monthly ICU service meetings
 Weekly meetings of the Department of Medicine
 Weekly meetings of the Centre de recherche Guy-Bernier Interhospital meetings in intensive care
 1991-2004 Educational committee meetings in Intensive Care
 2013-16 Critical care rounds Kingston; MedTox seminars McGill

Continuing Medical Education Teaching (CME)

- 1994 ICU Respiratory diseases and therapy (Mar/ Jun) CME Day, Inhalothérapeutes du Québec, Cégep Rosemont
 1994 Invasive& non-invasive/hemodynamic & ventilator monitoring (03/06) CME Day, Inhalothérapeutes du Québec
 1995 Shock and transplantation; Intensive Care CME Day, Université de Montréal
 1996 Gas exchange; CME, Inhalothérapeutes du Québec
 1996 Poisoning; Intensive Care CME Day, McGill University
 1997 Arterial gas interpretation
 1998-00 Intensive Care CME Day, McGill University
 1999 Shock (basics, septic shock) Certificate in Resp. Therapy, Faculty of Continuing Education, U. de Montréal
 2000 What's new in CPR; Speaker (webcast conference; viewership 10,000), Dept. of Cardiology, McGill
 2010 Multidisciplinary approach to perioperative medicine ; Centre de pédagogie appliquée aux sciences de la santé, Direction du développement professionnel continu, Faculty of Medicine, Université de Montréal
 2010 Infections and nosocomial ICU pneumonia Co-moderator with Dr. Neidermann, CME Pfizer
 2011 Peripheral neurological diseases in intensive care: neuromuscular sequelae in the ICU; Scientific symposium for residents, critical care program, Université de Montréal
 2011 Organizer and moderator, Symposium on mechanical ventilation (invited professors: Dr. Nicholas Hill, Martin Tobin, Jordi Mancebo), conference broadcast across 13 ICUs in Quebec, HMR

CME (cont'd)

- 2012 Podcast "Benzodiazepines should/should not be avoided in critically ill patients," in connection with publication, <http://chestjournal.chestpubs.org/site/misc/podcasts/archive.xhtml>
- 2013 Mechanical ventilation in ARDS Case review (Prof. Jordi Mancebo), Symposium for ICU fellows, U. de Montréal
- 2013 Non-invasive ventilation; Scientific symposium for residents, critical care program, Université de Montréal
- 2014 Clinical Practice Guidelines for the Diagnosis and Management of Invasive Candidiasis content expert development of an online course and supporting information relevant to specialists, family physicians and other healthcare professionals); Queen's university in collaboration with mdBriefCase.
- 2016 La culture du blâme : comment la reconnaître, en libérer votre milieu d'apprentissage et s'en sortir intact. 'Journée de développement professoral', Family Medicine department, Université de Montréal

Course organisation:

- 2011 Two courses on CME website, Deborah Cook, presenter, Université de Montréal

Interdisciplinary Teaching

- 1988-91 St. Mary's Hospital monthly nursing lectures
- 1991-95 Montreal General Hospital, 2-3 times yearly nursing lectures
- 2002 (July) Co-organizer, ICU fellows program courses (6 centers in Ontario and Quebec), ACES, Toronto
- 2004-2012 Hôpital Maisonneuve-Rosemont, 2-3 times yearly nursing teaching; bedside screening
- 2003-07, 2009, Co-organizer, ICU fellow courses (ten academic centers in Canada), ACES, Ottawa
- 2004 (July) Co-organizer, courses for fellows, adult and pediatric ICU (12) programs, ACES, Vancouver
- 2004 (Nov.) Supervision, David Rodriguez-Arias, France/Spain/Quebec End of Life Bioethics Project

RESEARCH AND SCHOLARLY WORK

Peer-reviewed publicly funded research grants

- 1991-2 Ventricular dysfunction project, principal investigator, grant from the Centre de recherche Guy- Bernier, \$5,000
- 1993-95 Project TRICC (Transfusion Requirements in Critical Care), HMR site investigator, Canadian Institute of Health Research (CIHR) funding (per patient in the study), \$1,000 per patient
- 2001-02 Prospective randomized study comparing olanzapine to Haldol in the treatment of delirium in intensive care, principal Investigator, grant from Eli Lilly Zyprexa foundation (the top five finalists in a North America-wide competition with more than 350 participants), \$47,000
- 2000-2003 LOVS (Lung Open Ventilation Study) on laminate mechanical ventilation in respiratory distress syndrome in adults, collaborator, \$500 per patient
- 2001 Longitudinal study of epithelial biomarkers in acute respiratory distress syndrome in adults, collaborator, FRSQ grant
- 2001-5 VAP (ventilator-associated pneumonia) study, with the Canadian Critical Care Trials Group and funded by CIHR, \$2,000/pt.
- 2002 Preventive intervention project on delirium in intensive care, FRSQ 2002 Fund (critical care/respiratory axis), principal investigator, \$18,500
"Aging, accidentally traumatized people whose life expectancy increases due to the improvement of knowledge and, consequently, the provision of services," co-investigator (5%), FRSQ trauma research grant program, \$175,000/year
PROTECT (FGMAEI-042-048): A pilot study of prophylaxis of thromboembolic events in the intensive care, HMR site investigator, CIHR funding
- 2004 Delirium in intensive care: A prospective study on prevention, principal investigator, Canadian Intensive Care Foundation (CICF) national peer review group, \$20,000
RESPECT (Reasoning in Ethics: A Survey of Physician End-of-life decision making among Canadian Trainees), principal investigator, CARENET Group grant (CIHR network), \$38,000
- 2004 ATICC (Appropriate Antimicrobial Therapy in Critical Care): a randomized, double-blind, placebo-controlled trial comparing empirical broad-spectrum antibiotic therapy with delayed narrow- spectrum treatment directed against infection in critically ill subjects with by a suspected nosocomial infection, pilot study, HMR site investigator, Physicians' Services Incorporated Foundation

RESEARCH AND SCHOLARLY WORK

Peer-reviewed publicly funded research grants

- 2004 DIRECT: Study on the safety of low-molecular-weight heparin in the prophylaxis of thromboembolic events in patients in intensive care with kidney failure, HMR site investigator
CANHELP Canadian Health Care Evaluation Project (pilot), HMR site investigator, Carenet Network with CIHR funding
Non-invasive measurement of the electrical activity of the respiratory muscles to assess patient-ventilator asynchrony during assisted ventilation, HMR site investigator, funding from CIHR
PROTECT: a study of prophylaxis of thromboembolic events in intensive care, HMR site investigator, Canadian Critical Care Trials Group funded by CIHR
REDOXS®: randomized study of glutamine supplements and antioxidants in critically ill patients, HMR site investigator, Canadian Critical Care Trials Group funded by CIHR
SUGAR STUDY: Study of survival using a glucose control protocol, HMR site investigator, Canadian Critical Care Trials Group funded by CIHR
Randomized double-blind placebo-controlled measuring the safety and efficacy of quetiapine in intensive care patients with delirium, HMR site investigator, sponsor: Tufts-New England Med. Center
- 2005 Are ill-defined problem assessments abler to detect clinical experience than well-defined problem assessments? (A comparison of critical care clinical reasoning with rich-context multiple choice tests versus script concordance test), B. Charlin, Y. Skrobik, R. Gagnon, C. Van der Vleuten, Medical Education Research Grant, Royal College of Physicians and Surgeons of Canada, \$20,000
- 2010-12 EPITEC: Epidemiology of Thromboembolism in Critical Care, principal investigator: DJ Cook, co-investigators: Zarychanski R, Mehta S, Fowler R, Turgeon A, McIntyre L, Lim WP, Lauzier F, Dodek P, Burns KE, Meade M, Hall R, Skrobik Y, Crowther M, Jacka M, Devereaux PJ, Marshall J, Muscedere J, Herridge M, funding from CIHR Operating Grant Funds, \$60,000
- 2011-13 "Preventing Conversion of Sub-syndromal delirium to Delirium with Haloperidol in the ICU", consultant/ collaborator, Dr. John Devlin, NIH (National Institute of Health), \$148,000 (\$15,000)
CANHELP Project (Canadian Health Care Evaluation Project), validation of questionnaires, HMR site investigator, Carenet Network with CIHR funding
RCT daily wakefulness in ICU patients (SLEAP), HMR site investigator, funded by CIHR
Pilot randomized controlled Canadian multicenter trial comparing an automated respiratory weaning technique compared to weaning by protocol (WEAN), collaborator, PSI Ontario
Prospective multicenter study of research recruitment practices in adult ICU patients, McMaster Realities, hopes and attitudes of octogenarians regarding ICU support therapies, collaborator, Carenet Network/CIHR funding
- 2014-16 Development of an ICU mobilization tool, \$10,000 for the construction of the tool (Polytechnique)
Proportional Assist Ventilation for Minimizing the Duration of Mechanical Ventilation: The PROMIZING Study; co-PIS Dr. Karen Bosma and Dr. Laurent Brochard, CIHR funded, role: co-applicant, steering committee
AQDRC (Accès et Qualité des Données Compilées en Recherche Clinique) : lead, evaluation of content quality in critical care research data, Regroupement de Soins Critiques Respiratoires, Réseau de Sante Respiratoire FRQS. Funds \$60,000 (to the network under my leadership)
ICU sedation challenge: Nurse-led sedation delivery pathway and educational intervention to maintain critically ill mechanically ventilated patients at the national recommended level of sedation, awake or easily aroused. NHS funding £1,075,000. 10 co-applicants, led by Valerie Page; second phase application competition completed
- 2016-7 Development and Evaluation of a Family-Partnered Care Pathway for Critically Ill Older Patients Development Theme (*Co-leads: Potestio, Parsons Leigh, Stelfox. Primary Team: Holroyd-Leduc, Skrobik, Davidson, Ely, Rockwood, Robertson, Zygun, O'Neill, Oxland*). Stakeholder committee includes Steering committee and knowledge users with representation from ICU providers/ decision-makers, patients/families, and representatives of partner organizations, including SCCM guideline writing committee members for Family-Centered Care, Pain, Agitation and Delirium (Skrobik & Davidson); funds \$535,000.

- 2017 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; CIHR funded Pilot project led by Elizavet Papathanasoglou (10% research time, 7 hours a week, budget \$245,000
- 2017 PI, 'Improving the caregiver's experience of critical illness with sense-making' project funded (\$9300/1 year), CIHR Patient-Oriented Research Collaboration Grants
CIHR pilot project application (funded) led by Kirsten Marie Fiest (Epidemiologist, Critical Care Medicine, Calgary) to describe delirium subtypes in critically ill patients, identify risk factors, establish prognoses and guide the implementation and evaluation of therapies. Her invitation that I co-apply to CIHR's project scheme will harness my expertise in her evaluation of delirium screening tools (CAM-ICU & ICDSC, my work) and better define delirium subtypes.
SafeTy and effectiveness of Pharmacological sedatives (STEPS) (PI)
Looking at exposure to sedatives and sedation depth over time as a predictor of cognitive and psychological outcome. Study initiated at KGH from reimbursements from Pfizer for incurred costs; ongoing funding planned from AMOSO, PSI.
- 2018 'A Structured Process Informed by Data, Evidence and Research – Network (SPIDERNET) in Optimizing the Care for Patients with Complex Needs and Multiple Medications', CISSS de Laval. Co-applicant (with MT Lussier); \$149,000 granted by MEDTEQ.
'Adaptation du site Discutons Santé aux consultations en contexte de sans rendez-vous, d'urgence et de cliniques spécialisées : Implantation au CISSS Laval' du CISSS de Laval. Co-applicant (with MT Lussier); \$144,000 granted by MEDTEQ.
Submission, '**Novel Ways of Communicating Frailty and Screening Drug Exposure to Enable Returning Home after hospitalization**', PI, Healthy Brains Healthy Lives McGill / Western Collaboration Grant: \$356503.00 requested; transdisciplinary collaboration with CRIR/ NRC partners.

Research projects carried out without funding (Supervised students in italics)

- 1998-2000 Study of development of a rating scale of ICU delirium. Director, MJ *Dubois and Nicolas Bergeron*
- 1998-2000 Prospective study of risk factors for delirium in intensive care. Director, *Dr. Sebastian Chayer*
Heat and moisture exchangers: Evaluation of the work of breathing for the intubated patient. *Dr. Nathalie Van Havre*
- 2000-03 "Edu-code" an assessment of performance quality in cardiopulmonary resuscitation. *Dr. Marquis*
- 2000-03 Prospective randomized trial of parenteral vs enteral nutrition in bone marrow transplant. *Dr. Jean Roy, Dr. AM Mansour*
Evaluation of hospital resuscitation with compression-decompression pump. *Dr. François Marquis*
Study of the role of myeloid nuclear differentiation antigen (MNDa) as a factor in the survival of neutrophils during sepsis and/or septic shock. Co-investigator
Evaluation of antiviral absorption, the cytokine response, and clearance of virus in the context of the AH1N1 influenza epidemic in subjects with severe associated diseases. Collaborator
- 2001 Prospective evaluation of diaphragmatic EMG in patients in intensive care. Investigator, with Drs. Gottfried & Sinderby, HMR.
- 2005 Phenomenological evaluation of delirium symptoms by intensivists; *Catherine Cheung*, Queen's
- 2009-10 Occurrence of delirium and/or iatrogenic coma in intensive care: an assessment of factors that influence toxicity of fentanyl and midazolam. Collaboration with Dr. V. Michaud and Dr. J. Turgeon
Evaluation of teaching formulas for nursing delirium screening, pain and sedation in intensive care. In collaboration with *François Marquis MD*, Richard Riker MD (Maine Medical Center) and John Devlin PhD (Tufts University) (see publications)
Evaluation of imaging with electrical impedance tomography (in collaboration with the École Polytechnique de Montréal)

Industry-sponsored research projects

- 2002 Liquevent LVAD-INT-007: Perflubron partial liquid ventilation in ALI/ARDS, collaborator. Sponsor: Alliance Associate Study F1K-MC-EVCL (LY203638): Drotrecogin alfa (activated) in severe sepsis. Sponsor: Eli Lilly
- 2004 Project MYC-001: Survey of infections in intensive care units. Sponsor: Fujisawa Canada Inc.
Captivate study, TFP0008: To evaluate efficacy & safety of tifacogin (recombinant tissue factor pathway inhibitor) in subjects with severe community-acquired pneumonia, collaborator. Sponsor: Chiron Corp.
LIPOSMC, EDM 20001: Dose-finding safety and efficacy study, agent GR270773 in serious gram-negative sepsis. Sponsor: GlaxoSmithKline
- 2004 TNX-832: Safety/ pharmacokinetics/ physiology of TNX-832 (cH36) in ALI&ARDS; collaborator. Tanox Inc.
Efficacy, safety, pharmacokinetics of ATryn® (antithrombin alfa) in DIC/severe sepsis; collaborator. Leo Pharma
Venticute® (rSP-C Surfactant) in ventilated, hypoxic patients with pneumonia or aspiration of gastric contents (VALID); collaborator. Sponsorship: Altana Pharma AG
Calfactant for ARDS/ALI (CARDS), collaborator. Sponsorship: Pneuma Pharmaceuticals Inc.
E5564-G000-301: Comparing eritoran tetrasodium/placebo in severe sepsis; collaborator. Sponsor: Eisai Inc.
NAI113678: Multicenter open one-component study to assess the safety and tolerability of intravenous zanamivir in treating influenza infections in hospitalized adults, adolescents and children; collaborator. Sponsor: GlaxoSmithKline
NAI114373: International Phase III zanamivir efficacy/safety study with doses of 300 and 600 mg vs 75mg of oseltamivir, in adults and adolescents hospitalized with influenza; collaborator. Sponsor: GlaxoSmithKline
2012-2016 GIA # PRE-10-002: The effect of a protocol on sleep delirium incidence and healthcare costs in critically ill patients (nocturnal dexmedetomidine), PI, principal and HMR site investigator. Sponsor: Hospira Inc., \$465,600

PUBLICATIONS***Book chapters***

"Nutrition, réanimation et soins intensifs de base." Guide thérapeutique en médecine interne. Gauthier R, Authier L, Delorme J et al., eds. Presse Université de Montréal and Doin et Payot, Lausanne. 1995

"Delirium in the palliative patient." Palliative and Critical Care, Oxford University Press. 2009

"Care of the caregiver in the ICU and after critical illness." Principles of Critical Care, Hall, Schmidt and Wood, eds., 4th ed. McGraw-Hill. 2013

"Psychological problems in the ventilated patient." Principles and Practice of Mechanical Ventilation. Martin Tobin, MD, ed., McGraw-Hill, 2013.

"Environmental modification." Brain Dysfunction in Critical Illness. Robert Stevens, Tarek Sharshar and Wes Ely, eds. Cambridge UP.2013

"Pharmacogenomics and cerebral dysfunction." Brain Dysfunction in Critical Illness. Robert Stevens, Tarek Sharshar and Wes Ely, eds. Cambridge UP. 2013

Peer-reviewed publications (Supervised student names in italics)

Van de Kar L., Wilkinson C.W., **Skrobik Y.**, Brownfield M.S., Ganong W.F.: Evidence that serotonergic neurons in the dorsal raphe nucleus exert a stimulatory effect on the secretion of renin but not of corticosterone. Brain Research, 1982, March 11; 235 (2): 233-43

Sasson Z., Prieur T., **Skrobik Y.**, Fulop J.C., Williams W.G., Henderson M.A., Gressner C.D., Wigle E.D., Rakowski H.: Aortic regurgitation: a common complication after surgery for hypertrophic obstructive cardiomyopathy. Journal of the American College of Cardiology, JACC 1989, Vol. 13 #1, pp. 63-67.

Cruise C.J., **Skrobik Y.**, Webster R.E., Marquez-Julio A.: Intravenous Labetalol versus Sodium Nitroprusside for Treatment of Hypertension Post Coronary Bypass Surgery. Anaesthesiology, 1989, 71, pp. 835-839

Teitelbaum J., **Skrobik Y.** Un cas de coma récidivant avec hyperammonémie. Neurologue du Québec, 1994.

Filep, Janos G., **Skrobik Yoanna**, Fournier Alain, Foldes-Filep Éva: Effects of calcium antagonists on endothelin-1-induced myocardial ischaemia and oedema in the rat. British Journal of Pharmacology, 1996, 118 (4), 893-900

Peer-reviewed publications cont'd (Supervised student names in italics)

Lévesque R., Leblanc M., Cardinal J., Teitelbaum J., **Skrobik Y.**, Lebrun M.: Haemodialysis for severe hyperammonaemic coma complicating urinary diversions. *Nephrology Dialysis Transplantation*, 14 (2):458-61, 1999

Variations in red cell transfusion practice in the intensive care unit: a multicentre cohort study. Paul C. Hébert et al; *Critical Care* 1999, Vol.3 No 2 (Investigator, TRICC for the Canadian Critical Care Trials group HMR Y. Skrobik)

Transfusion requirements in Critical Care: a multicenter randomized controlled clinical trial. Paul C. Hébert, Wells G., Blajchman MA, Marshall J., Martin C., Pagliarello G., Tweeddale M., Schweitzer I., Yetisier E. and the Transfusion Requirements in Critical Care Investigators, for the Canadian Critical Care Trials Group, *NEJM* 1999; 340 (6):409- 417 ((Investigator, TRICC for the Canadian Critical Care Trials group at Maisonneuve-Rosemont, Y. Skrobik)

Electrical activity of the diaphragm during pressure support ventilation in acute respiratory failure. Beck J, Gottfried SB, Navalesi P, **Skrobik Y**, Comtois N, Rossini M, Sinderby C. *Am J Respir Crit Care Med*. 2001 Aug 1;164(3):419-24.

Screening and prevention of venous thromboembolism in critically ill patients: a decision analysis and economic evaluation. Sud S, Mittmann N, Cook DJ, Geerts W, Chan B, Dodek P, Gould MK, Guyatt G, Arabi Y, Fowler RA Canadian Critical Care Trials Group; E-PROTECT Investigators. *Am J Respir Crit Care Med*. 2011 Dec;184(11):1289-98.

Bergeron, N. Dubois M.J., Skrobik, Y.: Intensive care Delirium Checklist: evaluation of a new screening tool. *Intensive care medicine*, Vol. 27 no 5, May 2001, pp 859-864

Dubois M.J., Bergeron, N., Skrobik Y.: Intensive care associated delirium: a prospective study of risk factors. *Intensive Care Medicine*, Vol. 27 no 7, July 2001, pp 1297-1304.

Sinderby C., Beck J., Navalesi P., **Skrobik Y.**, Laufer B., Comtois N., Gottfried SB, Lindström: Feasibility of diaphragm electrical activity to trigger mechanical ventilation in adults. *AJRCCM*. 164 (3):419-24, 2001, Aug 1.

Denault A. Frechette D. **Skrobik Y.**: Best evidence in anesthetic practice. Prevention: supplemental oxygen reduces the incidence of surgical-wound infection. *Canadian Journal of Anesthesia*. 48 (9): 844-6, 2001 Oct.

Skrobik Y., Gregoretti C.: Translaryngeal open ventilation to treat acute respiratory failure in acute exacerbation of chronic obstructive pulmonary disease. A brief report. *Journal canadien d'anesthésie*. 48 (11):1161-4, 2001 Dec.

Prevention of Venous Thromboembolism in Critically Ill Surgery Patients: A Cross-Sectional Study. D. Cook, D. Laporta, **Y. Skrobik**, S. Peters, M. Sharpe, P. Murphy, D. Chin, M. Crowther, *JCC*. 16 (4):161-6, 2001 Dec.

Skrobik Y., Filep J.: Acute Right ventricular Ischaemia: a new evaluation method. *Can.J. Anesthesia*. 49(1): 84-9, jan.2002

Evaluation of Patient Skin Breakdown and Comfort with a New Face Mask for Non-Invasive Ventilation: A Multi-Center Study. C. Gregoretti, M. Confalonieri, P. Navalesi, V. Squadrone, P. Frigerio, F. Beltrame, G. Carbone, G. Conti, F. Gamna, S. Nava, E. Calderini, **Y. Skrobik** and M. Antonelli. *Intensive Care Medicine*. 28 (3):278-84, March 2002

Toronto Critical Care Symposium Report. **Yoanna Skrobik**, Brian Kavanaugh, David Mazer and Deborah Cook. *Canadian Journal of Anesthesia*, 49(5): 513-6, 2002 May

Delirium in critically ill patients. *N. Bergeron, Y. Skrobik, MJ Dubois*. *Critical Care (London)*, 6 (3):181-2, 2002 Jun.

Haloperidol should be used sparingly. **Y. Skrobik**. *Critical Care Medicine* 2002; 30 (11):2613-2614

T. Charron, F. Bernard, Y. Skrobik, N. Simoneau, N. Gagnon, M. Leblanc. IV phosphate in the intensive care unit: More aggressive repletion regimens for moderate and severe hypophosphatemia. *Int. Care Med*. 29(8)1273-1278, Aug. 2003

Delirium in the critical care setting. **Y Skrobik**. *Geriatrics and aging*, 6 (10) 30-35, November/December 2003,

Olanzapine vs. haloperidol in a critical care setting. **Yoanna Skrobik**, Nicolas Bergeron, Marc Dumont, Stewart B. Gottfried. *Intensive Care Medicine*, Vol. 30 (3), pp. 440-4.

Best Evidence in Critical Care practice: daily interruption of sedative infusions in critically ill patients undergoing mechanical ventilation. *Todd Gorman, Francis Bernard, François Marquis, Pierre Dagenais and Yoanna Skrobik*. *Canadian Journal of Anesthesia*, 2004, 51:492-493.

Peer-reviewed publications cont'd (Supervised student names in italics)

Author's reply to the comments by de Rooij and de Jonge. Nicolas Bergeron and **Yoanna Skrobik**. Intensive Care Medicine, 30 (7), p. 1501, July 2004

Le délirium aux soins intensifs. **Yoanna Skrobik**. Urgence Pratique, no 67, sept. 2004

A parametric model of the relationship between EIT and total lung volume. *Nicolas Coulombe, Hervé Gagnon, François Marquis, Yoanna Skrobik, Robert Guardo*. <http://stacks.iop.org/0967-3334/26/401> Physiological Measurement, 26 (4):401-11, 2005 Aug.

Is disturbance of consciousness an important feature of ICU delirium? *Bergeron N, Skrobik Y, Dubois MJ*. Intensive Care Medicine, 2005, 31:887

Gorman TE, Ahern SP, Wiseman JG, Skrobik Y.: Resident end-of-life decision-making with adult hospitalized patients: a review of the literature. Academic medicine, 80(7), July 2005

Cook DJ., Rocker G., Meade M., Guyatt G., Geerts W., Anderson D., **Skrobik Y.**, Hebert P., Albert M., Cooper J., Bates S., Caco C., Finfer S., Fowler R., Freitag A., Granton J., Jones G., Langevin S., Mehta S., Pagliarello G., Poirier G., Rabbat C., Schiff D., Griffith L., Crowther M. PROTECT Investigators. Canadian Critical Care Trials Group. Prophylaxis of Thromboembolism in Critical Care (PROTECT) Trial: a pilot study. Journal of Critical Care, 20 (4):364-72, 2005 Dec.

Yoanna Skrobik, Brian P. Kavanagh. Editorial. Scoring systems for the critically ill: use, misuse and abuse. Canadian Journal of Anaesthesia, 2006, 53:5; 432-6

Electrical impedance tomography's correlation to lung volume is not influenced by anthropometric parameters. *François Marquis, Nicolas Coulombe, Roberta Costa, Marc Dumont, Hervé Gagnon., Robert Guardo., Yoanna Skrobik*. Journal of Clinical Monitoring and Computing ISSN: 1387-1307 (Papier) 1573-2614, (Online) DOI: 10.1007/s10877-006-9021-4

Outcome value of Bronchiolar Clara Cell Protein in serum of Patients with Acute Respiratory Distress Syndrome (ARDS). O. Lesur, S. Langevin, Y. Berthiaume, M. Légaré, **Y. Skrobik**, JF Bellemare, B. Lévy, Y. Fortier, F. Lauzier, G. Bravo, Nickmilder, E. Rousseau, A. Bernard, and members of the Critical Care Research group of the Québec Respiratory Health Network. Intensive Care Medicine, 32(8):1167-74, 2006 Aug.

Incidence, Risk Factors and Consequences of ICU Delirium. *S. Ouimet MSc, BP. Kavanagh MB, SB. Gottfried MD, Y. Skrobik MD*. Intensive Care Medicine, 33(1):66-73, Jan. 2007

Delirium as Destiny: Clinical Precision and Genetic Risk. **Y. Skrobik** Crit.Care Med 35(1):304-305, Jan. 2007

Protocols, Practice and Patients – The Case of Alcohol Withdrawal. **Yoanna Skrobik MD**. Editorial, Critical Care Medicine, 35(3):955, mar. 2007

Individual delirium symptoms: do they matter? *Marquis F, Ouimet S, Riker R, Cossette M, Skrobik Y*. Crit Care Med. 2007 Nov;35(11):2533-7.

Sub-Syndromal Delirium in the ICU: Evidence for a Disease Spectrum. Sébastien Ouimet, Richard Riker, Nicolas Bergeron, Mariève Cossette, Brian Kavanagh, **Yoanna Skrobik**. Intensive Care Medicine, 33(6) 1007-1013

Outcome issues of mechanical ventilator settings in acute respiratory distress syndrome patients from Québec ICUs after the 2000 Acute Respiratory Distress Syndrome Network trial Yannick Poulin, Marc-Andre Leclair, Francois Lauzier, Yves Berthiaume, **Yoanna Skrobik**, Jean-François Bellemare, Olivier Lesur, Members of The Critical Care Research Group and The Biomedical Telematics Laboratory (Québec Respiratory Health Network) Journal of Organ Dysfunction Jan 2008, Vol. 4, No. 1, 15-21.

Recognition and labeling of delirium symptoms by intensivists: does it matter? *Cheung C., Alibhai SMH, Robinson M., Chittock D., Drover J., Skrobik Y.* for the Canadian Critical Care Trials Group. ICM (2008) 34:437-446

Peer-reviewed publications cont'd (Supervised student names in italics)

Ventilation Strategy Using Low Tidal Volumes, Recruitment Maneuvers, and High Positive End-Expiratory Pressure for Acute Lung Injury and Acute Respiratory Distress Syndrome A Randomized Controlled Trial M.O. Meade, D.J. Cook, GH Guyatt, AS. Slutsky, Y. M. Arabi, DJ Cooper, AR. Davies, LE Hand, L. Thabane, P. Austin, S. Lapinsky, A. Baxter, J. Russell, **Y. Skrobik**, J. Ronco, TE. Stewart, MD; Lung Open Ventilation Study Investigators JAMA. 2008;299(6):637-645

Venous thromboembolism and bleeding in critically ill patients with severe renal insufficiency receiving dalteparin thromboprophylaxis: prevalence, incidence and risk factors. D. Cook, J. Douketis, M. Meade, G. Guyatt, N. Zytaruk, J. Granton, **Y. Skrobik**, M. Albert, R. Fowler, P. Hebert, G. Pagliarello, J. Friedrich, A. Freitag, T. Karachi, C. Rabbat, D. Heels-Ansdell, W. Geerts and M. Crowther for the Canadian Critical Care Trials Group Critical Care 2008, 12:R32

Combined Didactic and Scenario-Based Education Improves the Ability of ICU Staff to Recognize Delirium at the Bedside; John W Devlin, Francois Marquis, Richard R Riker, Tracey Robbins, Erik Garpestad, Jeffrey J Fong, Dorothy Didomenico and **Yoanna Skrobik** Critical Care, 12: R19

Pain may be inevitable; inadequate management is not. **Yoanna Skrobik**. Critical Care 2008, 12:142, April 29, 2008.

Understanding International Differences in Terminology for Acute Brain Dysfunction in Critically Ill Patients. A. Morandi, MD, P. Pandharipande, MD, MSCI, M. Trabucchi, MD, R. Rozzini, MD, G. Mistraretti, MD, A.C. Trompeo, MD, C. Gregoretto, MD, L. Gattinoni, MD, M. Ranieri, MD, L. Brochard, MD, PhD, D. Annane, MD, U. Guenther, MD, P. Fuentes, MD, E. Tobar, MD, A.R. Anzueto, MD, A. Esteban, MD, J.I.F. Salluh, MD, M. Soares, MD, C. Granja, M.D., PhD, **Y. Skrobik**, MD, E. Wesley Ely, MD, MPH. Intensive Care Med. 2008 Oct;34(10):1907-15.

Prophylaxis against deep vein thrombosis in critically ill patients with severe renal insufficiency with the low- molecular-weight heparin dalteparin: an assessment of safety and pharmacodynamics: the DIRECT study. Douketis J, Cook D, Meade M, Guyatt G, Geerts W, **Skrobik Y**, Albert M, Granton J, Hébert P, Pagliarello G, Marshall J, Fowler R, Freitag A, Rabbat C, Anderson D, Zytaruk N, Heels-Ansdell D, Crowther M; Canadian Critical Care Trials Group. Arch Intern Med. 2008 Sep 8;168(16):1805-12.

Assessment of delirium in the intensive care unit: nursing practices and perceptions. Devlin JW, Fong JJ, Howard EP, **Skrobik Y**, McCoy N, Yasuda C, Marshall J. Am J Crit Care. 2008 Nov;17(6):555-65

The Intensive Care Delirium Screening Checklist (ICDSC)--translation and validation of intensive care delirium check-list in accordance with guidelines. Radtke FM, Franck M, Oppermann S, Lütz A, Seeling M, Heymann A, Kleinwächter R, Kork F, **Skrobik Y**, Spies CD. Anasthesiol Intensivmed Notfallmed Schmerzther. 2009 Feb;44(2):80- 6.

Intensive versus conventional glucose control in critically ill patients. NICE-SUGAR Study Investigators. Finfer S, Chittock DR, Su SY, Blair D, Foster D, Dhingra V, Bellomo R, Cook D, Dodek P, Henderson WR, Hébert PC, Heritier S, Heyland DK, McArthur C, McDonald E, Mitchell I, Myburgh JA, Norton R, Potter J, Robinson BG, Ronco JJ. N Engl J Med. 2009 Mar 26;360(13):1283-97.

Event adjudication and data monitoring in an intensive care unit observational study of thromboprophylaxis. Cook D, Sinuff T, Zytaruk N, Rabbat C, Lee A, O'Donnell M, Thabane L, Linkins L, Treleaven D, Patel R, Meade M, Crowther M, Marshall JC, Douketis J; DIRECT Investigators and Canadian Critical Care Trials Group. J Crit Care. 2009 Jun;24(2):168-75.

Delirium prevention and treatment. **Skrobik Y**. Crit Care Clin. 2009 Jul;25(3):585-91

Broadening our perspectives on ICU delirium risk factors. **Skrobik Y**. Crit Care. 2009;13(4):160.

Acute kidney injury in septic shock: clinical outcomes and impact of duration of hypotension prior to initiation of antimicrobial therapy. Bagshaw SM, Lapinsky S, Dial S, Arabi Y, Dodek P, Wood G, Ellis P, Guzman J, Marshall J, Parrillo JE, **Skrobik Y**, Kumar A; Cooperative Antimicrobial Therapy of Septic Shock (CATSS) Database Research Group. Intensive Care Med. 2009 May;35(5):871-81. Epub 2008 Dec 9. PMID:19066848

Peer-reviewed publications cont'd (Supervised student names in italics)

Efficacy and safety of a phospholipid emulsion (GR270773) in Gram-negative severe sepsis: results of a phase II multicenter, randomized, placebo-controlled, dose-finding clinical trial. Dellinger RP, Tomayko JF, Angus DC, Opal S, Cupo MA, McDermott S, Ducher A, Calandra T, Cohen J; Lipid Infusion and Patient Outcomes in Sepsis (LIPOS) Investigators. *Crit Care Med.* 2009 Nov;37(11):2929-38.

Efficacy and safety of quetiapine in critically ill patients with delirium: a prospective, multicenter, randomized, double-blind, placebo-controlled pilot study. Devlin JW, Roberts RJ, Fong JJ, **Skrobik Y**, Riker RR, Hill NS, Robbins T, Garpestad E. *Crit Care Med.* 2010 Feb;38(2):419-27.

The 4Ts scoring system for heparin-induced thrombocytopenia in medical-surgical intensive care unit patients. Crowther MA, Cook DJ, Albert M, Williamson D, Meade M, Granton J, **Skrobik Y**, Langevin S, Mehta S, Hebert P, Guyatt GH, Geerts W, Rabbat C, Douketis J, Zytaruk N, Sheppard J, Greinacher A, Warkentin TE; CCCTG J *Crit Care.* 25:287-293.

Protocolized intensive care unit management of analgesia, sedation, and delirium improves analgesia and subsyndromal delirium rates. **Skrobik Y**, Ahern S, Leblanc M, Marquis F, Awissi DK, Kavanagh BP. *Anesth Analg.* 2010 Aug;111(2):451-63. Epub 2010 Apr 7. Erratum in: *Anesth Analg.* 2012 Jul;115(1):169.

The intensive care delirium screening checklist has many potential benefits over the nursing delirium screening scale. **Skrobik Y**, Devlin JW. *Crit Care Med.* 2010 Jul;38(7):1610-1.

The Development and Validation of a Novel Questionnaire to Measure Patient and Family Satisfaction with End of Life Care: The Canadian Health Care Evaluation Project (CANHELP) Questionnaire. Daren K. Heyland, Deborah J. Cook,

Graeme M. Rocker, Peter M. Dodek, Demetrios J. Kutsogiannis, **Yoanna Skrobik**, Xuran Jiang, Andrew Day, Robin Cohen *Palliative Medicine.* 2010 Oct;24(7):682-95. Epub 2010 Jul 6.

Early combination antibiotic therapy yields improved survival compared with monotherapy in septic shock: an analysis. Kumar A, Zarychanski R, Light B, Parrillo J, Maki D, Simon D, Laporta D, Lapinsky S, Ellis P, Mirzanejad Y, Martinka G, Keenan S, Wood G, Arabi Y, Feinstein D, Kumar A, Dodek P, Kravetsky L, Doucette S; Cooperative Antimicrobial Therapy of Septic Shock (CATSS) Database Research Group. *Crit Care Med.* 2010 Sep;38(9):1773-85.

Praying for healthy minds and healthy bodies in ICU survivors. **Skrobik Y**. *Intensive Care Med.* 2010 Dec;36(12):1988-9. Epub 2010 Jul 27.

Defining priorities to improve end of life care in Canada; DK. Heyland, DJ Cook, GM. Rocker, PM. Dodek, DJ. Kutsogiannis, **Y Skrobik**, X Jiang, AG. Day, R Cohen *CMAJ.* 2010 Nov 9;182(16): E747-52. Epub 2010 Oct 4

Delirium treatment: an unmet challenge. **Skrobik Y**. *Lancet.* 2010 Nov 7;376(9755): 1805-7.

Devlin J, **Skrobik Y** Antipsychotics for the Prevention and Treatment of Delirium in the Intensive Care Unit: What is Their Role? *Harv Rev Psychiatry.* 2011 Mar-Apr; 19(2):59-67

Ahern SP, Doyle TK, **Skrobik Y**.: Critically ill patients and end of life decision-making: The senior medical resident experience, *Adv Health Sci Educ Theory Pract.* 2011 May 28

Teitelbaum J, *Ayoub O*, **Skrobik Y**, Analgesia, Sedation and delirium management in the neurologically critically ill, *Canadian Journal of Neurological Sciences* Volume: 38 Issue: 6 Pages: 815-825 NOV 2011

Impact of quetiapine on resolution of individual delirium symptoms in critically ill patients with delirium: a post-hoc analysis of a double-blind, randomized, placebo-controlled study. Devlin JW, **Skrobik Y**, Riker RR, Hinderleider E, Roberts RJ, Fong JJ, Ruthazer R, Hill NS, Garpestad E. *Crit Care.* 2011 Sept. 17;15(5): R215.

Peer-reviewed publications cont'd (Supervised student names in italics)

Current perceptions and practices surrounding the recognition and treatment of delirium in the intensive care unit: a survey of 250 critical care pharmacists from eight States. Devlin JW, Bhat S, Roberts RJ, **Skrobik Y**. *Ann Pharmacother*. 2011 Oct; 45 (10):1217-29. Epub 2011 Sept. 20.

I-SAVE STUDY: Impact of Sedation, Analgesia and delirium protocols eValuated in the intensive care unit; A pharmacoEconomic study *Cindy Bégin, Julie Moisan, Don-Kelena Awissi, Jean Lachaine, Yoanna Skrobik*, *Annals of Pharmacotherapy* 46 (1) 21-28 JAN 2012

Delirium in stroke patients: the dark side of the moon? **Y. Skrobik** *Critical Care Medicine (editorial) Critical Care Medicine* 40(3) 1001-1002 MAR 2012

The Kynurenine Pathway: A Metabolomic Pathway for ICU Delirium? J. Devlin, **Y. Skrobik**, *Critical Care Medicine (editorial) Critical Care Medicine* 40(2) 676-677 Feb. 2012

"Counterpoint: Should Benzodiazepines Be Avoided in Mechanically Ventilated Patients? No"; **Skrobik Y**; *Chest*. 2012 Aug 1;142(2):284-7.

"Counterpoint: Rebuttal"; **Skrobik Y**; *Chest*. 2012 Aug 1;142(2):289-90.

Kristina Lutz, Kelly Wilton, Nicole Zytaruk, Lisa Julien, Richard Hall, Johanne Harvey, **Yoanna Skrobik**, Nicholas Vlahakis, Laurie Meade, Andrea Matte, Maureen Meade, Karen Burns, Martin Albert, Bronwyn Barlow Cash, Shirley Vallance, James Klinger, Diane Heels-Ansdell, Deborah Cook for the PROTECT Investigators in collaboration with the CCCTG and ANZICS-CTG. Research ethics board approval for an international thromboprophylaxis trial. *Journal of Critical Care* (2012) 27, 225–231

Pharmacologic Prevention and Treatment of Delirium in Critically Ill and Non-Critically Ill Hospitalized Patients: A Review of Data from Prospective, Randomized Studies; **Skrobik, Y**, Devlin J, *Best Pract Res Clin Anaesthesiol*. 2012 Sep;26(3):289-309

Activated protein C and septic shock: A propensity-matched cohort study Rimmer E, Kumar A, Doucette S, Marshall J, Dial S, Gurka D, Dellinger RP, Sharma S, Penner C, Kramer A, Wood K, Ronald J, Kumar A, Turgeon AF, Houston DS, Zarychanski R; Cooperative Antimicrobial Therapy of Septic Shock Database Research Group. *Crit Care Med*. 2012 Nov;40(11):2974-2981.

Clinical Practice Guidelines for the Management of Pain, Agitation, and Delirium in Adult Patients in the Intensive Care Unit Juliana Barr, MD, FCCM; Gilles L. Fraser, PharmD, FCCM; Kathleen Puntillo, RN, DNSc, FAAN; E. Wesley Ely, MD, MPH, FACP, FCCM; Céline Gélinas, RN, PhD; Joseph F. Dasta, MSc; Judy E. Davidson, DNP, RN; John W. Devlin, PharmD, FCCM; John P. Kress, MD; Aaron M. Joffe, DO; Douglas B. Coursin, MD; Daniel L. Herr, MD, MS, FCCM; Avery Tung, MD; Bryce RH Robinson, MD, FACS; Dorrie K. Fontaine, PhD, RN, FAAN; Michael A. Ramsay, MD; Richard R. Riker, MD, FCCM; Curtis N. Sessler, MD, FCCP, FCCM; Brenda Pun, RN, MSN, ACNP; **Yoanna Skrobik**, MD, FRCP; Roman Jaeschke, MD, MSc *Critical Care Medicine* 2013 Jan;41(1):263-306.

Predisposing factors to coma and delirium: Fentanyl and midazolam exposure, CYP3A5, ABCB1 and ABCG2 genetic polymorphisms, and inflammatory factors. **Y. Skrobik**, C. Leger, M. Cossette, V. Michaud, J. Turgeon, *Crit Care Med*. 2013 Apr;41(4):999-1008

Daily sedation interruption in mechanically ventilated critically ill patients cared for with a sedation protocol: A randomized trial. S. Mehta, L. Burry, D. Cook, D. Fergusson, M. Steinberg, J. Granton, M. Herridge, N. Ferguson, JW. Devlin, M. Tanios, P. Dodek, R. Fowler, K. Burns, M. Jacka, K. Olafson, **Y. Skrobik**, P. Hebert, E. Sabri, and M. Meade, for the SLEAP Investigators & CCCTG. *JAMA*. 2012 Nov 21;308(19):1985-92. Erratum *JAMA*. 2013 Jan 16;309(3):237.

Peer-reviewed publications cont'd (Supervised student names in italics)

Rates and determinants of informed consent: a case study of an international thromboprophylaxis trial.

Smith OM, McDonald E, Zytaruk N, Foster D, Matte A, Clarke F, Meade L, O'Callaghan N, Vallance S, Galt P, Rajbhandari D, Rocha M, Mehta S, Ferguson ND, Hall R, Fowler R, Burns K, Qushmaq I, Ostermann M, Heels-Ansdell D, Cook D; PROTECT Research Coordinators; PROTECT Investigators; Canadian Critical Care Trials Group; Australian, New Zealand Intensive Care Society Clinical Trials Group Crit Care. 2013 Feb;28(1):28-39.

Post-intensive care cognitive impairment: questions in mind? **Skrobik Y**, Hopkins RO. Intensive Care Med. 2013 Mar; 39(3):524-7.

Alcohol withdrawal and delirium tremens in the critically ill: a systematic review and commentary. Awissi DK, Lebrun G, Coursin DB, Riker RR, **Skrobik**. Intensive Care Med. 2013 Jan;39(1):16-30. Epub 2012 Nov 27.

The Pain, Agitation, and Delirium practice guidelines for Adult critically ill Patients: a post-publication perspective **Yoanna Skrobik**, Gerald Chanques, Ann Intensive Care. 2013 Apr 2;3(1):9.

Pharmacological Management of Sedation and Delirium in Mechanically Ventilated ICU Patients: remaining evidence gaps and controversies. JW. Devlin, G. Fraser, E Wesley Ely, JP. Kress, **Y Skrobik**, JF. Dasta, Seminars in Respiratory and Critical Care, Semin Respir Crit Care Med 2013;34:201–215.

Pain, sedation and delirium management in the neurocritically ill. Céline Gélinas, Andrew Naidech, Kate Klein, **Yoanna Skrobik** Semin Respir Crit Care Med. 2013 Apr;34(2):236-43.

"Evaluating pain, sedation and delirium in the neurologically critically ill: feasibility and reliability of standardized tools: A Multi-Institutional Study" Amy Yu, Jeanne Teitelbaum, Jill Scott, Gail Gesin, Brittany Russell, Toan Huynh, **Yoanna Skrobik**, Crit Care Med. 2013 Aug;41(8):2002-7.

Pain, sedation and delirium management in the neurocritically ill: Lessons learned from recent research. Céline Gélinas, Kate Klein, Andrew Naidech, & **Yoanna Skrobik** Semin Respir Crit Care Med. 2013 Apr;34(2):236-43.

Alcohol, nicotine and iatrogenic withdrawal in the intensive care unit; Don Kelena Awissi, Genevieve Lebrun, Mylene Fagan, **Yoanna Skrobik**; Critical Care Medicine 2013 Sep;41(9 Suppl 1): S57-68 (supplement PAD/SCCM)

Enhancing the informed consent process for critical care research: Strategies from a thromboprophylaxis trial. Smith OM, McDonald E, Zytaruk N, Foster D, Matte A, Clarke F, Fleury S, Krause K, McArdle T, **Skrobik Y**, Cook DJ. Int. Crit Care Nurs. 2013 Jul 18

Risk factors and impact of major bleeding in critically ill patients receiving heparin thromboprophylaxis. Lauzier F, Arnold DM, Rabbat C, Heels-Ansdell D, Zarychanski R, Dodek P, Ashley BJ, Albert M, Khwaja K, Ostermann M, **Skrobik Y**, Fowler R, McIntyre L, Nates JL, Karachi T, Lopes RD, Zytaruk N, Finfer S, Crowther M, Cook D. Intensive Care Med. 2013 Epub Aug 14.

Can critical-care delirium be treated pharmacologically? Ed., **Yoanna Skrobik**, Lancet Resp. Med.2013 Sep;1(7):498-9. The accurate recognition of delirium in the ICU: the emperor's new clothes? The Can Delirium Assessments Be Accurately Labelled (CABAL) Investigators group, Devlin JW, Fraser GL, Joffe AM, Riker RR, **Skrobik Y**. Intensive Care Med. Epub 2013 Oct 11. 2013 Dec;39(12):2196-9

Why Candida Sepsis Should Matter to ICU Physicians. **Skrobik Y**, Laverdiere M. Crit.Care Clin 2013 Oct;29(4):853-864.

Prediction scores do not correlate with clinically adjudicated categories of pulmonary embolism in critically ill patients. Katsios C, Donadini M, Meade M, Mehta S, Hall R, Granton J, Kutsogiannis J, Dodek P, Heels-Ansdell D, McIntyre L, Vlahakis N, Muscedere J, Friedrich J, Fowler R, **Skrobik Y**, Albert M, Cox M, Klinger J, Nates J, Bersten A, Doig C, Zytaruk N, Crowther M, Cook DJ. Can Respir J. 2013 Sep 30. doi: pii: 15784.

Peer-reviewed publications cont'd (Supervised student names in italics)

Randomized ICU Trials Do Not Demonstrate an Association Between Interventions That Reduce Delirium Duration and Short-Term Mortality: A Systematic Review and Meta-Analysis; Al-Qadheeb NS, Balk EM, Fraser GL, **Skrobik Y**, Riker RR, Kress JP, Whitehead S, Devlin JW. *Crit Care Med*. 2014 Jun;42(6):1442-54.

Timing of vasopressor initiation and mortality in septic shock: a cohort study. Beck V, Chateau D, Bryson GL, Pisipati A, Zanotti S, Parrillo JE, Kumar A; Cooperative Antimicrobial Therapy of Septic Shock (CATSS) Database Research Group. *Crit Care*. 2014 May 12;18(3): R97

Thromboprophylaxis patterns and determinants in critically ill patients: a multicenter audit. Lauzier F, Muscedere J, Deland E, Kutsogiannis DJ, Jacka M, Heels-Ansdell D, Crowther M, Cartin-Ceba R, Cox MJ, Zytaruk N, Foster D, Sinuff T, Clarke F, Thompson P, Hanna S, Cook D; Co-operative Network of Critical Care Knowledge Translation for Thromboprophylaxis (CONECCT-T) / Canadian Critical Care Trials Group. *Crit Care*. April 2014 25;18(2): R82.

Heparin-induced thrombocytopenia in the critically ill: interpreting the 4Ts test in a randomized trial. Crowther M, Cook D, Guyatt G, Zytaruk N, McDonald E, Williamson D, Albert M, Dodek P, Finfer S, Vallance S, Heels-Ansdell D, McIntyre L, Mehta S, Lamontagne F, Muscedere J, Jacka M, Lesur O, Kutsogiannis J, Friedrich J, Klinger JR, Qushmaq I, Burry L, Khwaja K, Sheppard JA, Warkentin TE; PROTECT collaborators; Canadian Critical Care Trials Group; ANZICS Clinical Trials Group. *J Crit Care*. 2014 Jun;29(3): 470.e7- 15.

Nonleg venous thrombosis in critically ill adults: a nested prospective cohort study. Lamontagne F, McIntyre L, Dodek P, Heels-Ansdell D, Meade M, Pemberton J, **Skrobik Y**, Seppelt I, Vlahakis NE, Muscedere J, Reece G, Ostermann M, Padayachee S, Alhashemi J, Walsh M, Lewis B, Schiff D, Moody A, Zytaruk N, Leblanc M, Cook DJ; Prophylaxis for Thromboembolism in Critical Care Trial Investigators. *JAMA Intern Med*. 2014 May;174(5):689-96.

Association between source of infection and hospital mortality in patients who have septic shock. Leligdowicz A, Dodek PM, Norena M, Wong H, Kumar A, Kumar A; Co-operative Antimicrobial Therapy of Septic Shock Database Research Group. *Am J Respir Crit Care Med*. 2014 May 15;189(10):1204-13.

Mehta S, Cook D, Devlin JW, **Skrobik Y**, Meade M, Fergusson D, Herridge M, Steinberg M, Granton J, Ferguson N, Tanios M, Dodek P, Fowler R, Burns K, Jacka M, Olafson K, Mallick R, Reynolds S, Keenan S, Burry L for the SLEAP Investigators and the Canadian Critical Care Trials Group. Incidence, risk factors and outcomes of delirium in mechanically ventilated adults. *Crit Care Med Crit Care Med*. 2014 Dec 9.

A ventilator strategy combining low tidal volume ventilation recruitment maneuvers and high positive end-expiratory pressure does not increase sedative opioid or neuromuscular blocker use in adults with Acute Respiratory Distress Syndrome and may improve patient comfort: S. Mehta DJ Cook Y. **Skrobik J**. Muscedere CM Martin TE Stewart LD Burry Qi Zhou and M Meade; *Annals of Intensive Care*, Epub 2014 Nov 6;4:33. *Crit Care Med*. 2015 Mar;43(3):557-66

Cost-effectiveness of dalteparin vs unfractionated heparin for the prevention of venous thromboembolism in critically ill patients. Fowler RA, Mittmann N, Geerts W, Heels-Ansdell D, Gould MK, Guyatt G, Krahn M, Finfer S, Pinto R, Chan B, Ormanidhi O, Arabi Y, Qushmaq I, Rocha MG, Dodek P, McIntyre L, Hall R, Ferguson ND, Mehta S, Marshall JC, Doig CJ, Muscedere J, Jacka MJ, Klinger JR, Vlahakis N, Orford N, Seppelt I, **Skrobik YK**, Sud S, Cade JF, Cooper J, Cook D; Canadian Critical Care Trials Group; Australia and New Zealand Intensive Care Society Clinical Trials Group. *JAMA*. 2014 Nov 26;312(20)

Clinician perspectives on protocols designed to minimize sedation. Rose L, Fitzgerald E, Cook D, Kim S, Steinberg M, Devlin JW, Ashley BJ, Dodek P, Smith O, Poretta K, Lee Y, Burns K, Harvey J, **Skrobik Y**, Fergusson D, Meade M, Kruguljac A, Burry L, Mehta S; for SLEAP and CCCTG. *J Crit Care*. Epub. 2014 Oct 30. 2015 Apr;30(2):348-52

Failure of anticoagulant thromboprophylaxis: risk factors in medical-surgical critically ill patients. Lim W, Meade M, Lauzier F, Zarychanski R, Mehta S, Lamontagne F, Dodek P, McIntyre L, Hall R, Heels-Ansdell D, Fowler R, Pai M, Guyatt G, Crowther MA, Warkentin TE, Devereaux PJ, Walter SD, Muscedere J, Herridge M, Turgeon AF, Geerts W, Finfer S, Jacka M, Berwanger O, Ostermann M, Qushmaq I, Friedrich JO, Cook DJ; PROphylaxis for ThromboEmbolism in Critical Care Trial Investigators. *Crit Care Med*. 2015 Feb;43(2):401-10.

Peer-reviewed publications cont'd (Supervised student names in italics)

Economic evaluation of the prophylaxis for thromboembolism in critical care trial (E-PROTECT): study protocol for a trial. Fowler RA, Mittmann N, Geerts WH, Heels-Ansdell D, Gould MK, Guyatt G, Krahn M, Finfer S, Pinto R, Chan B, Ormanidhi O, Arabi Y, Qushmaq I, Rocha MG, Dodek P, McIntyre L, Hall R, Ferguson ND, Mehta S, Marshall JC, Doig CJ, Muscedere J, Jacka MJ, Klinger JR, Vlahakis N, Orford N, Seppelt I, **Skrobik YK**, Sud S, Cade JF, Cooper J, Cook D. *Trials*. 2014 Dec 20;15(1):502.

Failure of anticoagulant thromboprophylaxis: risk factors in medical-surgical critically ill patients. Lim W, Meade M, Lauzier F, Zarychanski R, Mehta S, Lamontagne F, Dodek P, McIntyre L, Hall R, Heels-Ansdell D, Fowler R, Pai M, Guyatt G, Crowther MA, Warkentin TE, Devereaux PJ, Walter SD, Muscedere J, Herridge M, Turgeon AF, Geerts W, Finfer S, Jacka M, Berwanger O, Ostermann M, Qushmaq I, Friedrich JO, Cook DJ; PROphylaxis for ThromboEmbolism in Critical Care Trial Investigators. *Crit Care Med*. 2015 Feb;43(2):401-10.

Prevalence, risk factors, and outcomes of delirium in mechanically ventilated adults. Mehta S, Cook D, Devlin JW, **Skrobik Y**, Meade M, Fergusson D, Herridge M, Steinberg M, Granton J, Ferguson N, Tanios M, Dodek P, Fowler R, Burns K, Jacka M, Olafson K, Mallick R, Reynolds S, Keenan S, Burry L; SLEAP Investigators; Canadian Critical Care Trials Group. *Crit Care Med*. 2015 Mar;43(3):557-66.

Clinician perspectives on protocols designed to minimize sedation. Rose L, Fitzgerald E, Cook D, Kim S, Steinberg M, Devlin JW, Ashley BJ, Dodek P, Smith O, Poretta K, Lee Y, Burns K, Harvey J, **Skrobik Y**, Fergusson D, Meade M, Kraguljac A, Burry L, Mehta S; SLEAP Investigators; CCCTG. *J Crit Care*. 2015 Apr;30(2):348-52.

Intensive versus conventional glucose control in critically ill patients with traumatic brain injury: long-term follow-up of a subgroup of patients from the NICE-SUGAR study. NICE-SUGAR Study Investigators for the Australian and New Zealand Intensive Care Society Clinical Trials Group and the Canadian Critical Care Trials Group, Finfer S, Chittock D, Li Y, Foster D, Dhingra V, Bellomo R, Cook D, Dodek P, Hebert P, Henderson W, Heyland D, Higgins A, McArthur C, Mitchell I, Myburgh J, Robinson B, Ronco J. *Intensive Care Med*. 2015 Jun;41(6):1037-47.

Prevalence, risk factors, and outcomes associated with physical restraint use in mechanically ventilated adults. Rose L, Burry L, Mallick R, Luk E, Cook D, Fergusson D, Dodek P, Burns K, Granton J, Ferguson N, Devlin JW, Steinberg M, Keenan S, Reynolds S, Tanios M, Fowler RA, Jacka M, Olafson K, **Skrobik Y**, Mehta S. *J Crit Care*. 2016 Feb;31(1):31-5.

Chasing the elusive notion of delirium causality. **Skrobik Y**. *Intensive Care Med*. 2015 Dec;41(12):2216-7.

Recall of ICU Stay in Patients Managed with a Sedation Protocol or a Sedation Protocol with Daily Interruption. Burry L, Cook D, Herridge M, Devlin JW, Fergusson D, Meade M, Steinberg M, **Skrobik Y**, Olafson K, Burns K, Dodek P, Granton J, Ferguson N, Jacka M, Tanios M, Fowler R, Reynolds S, Keenan S, Mallick R, Mehta S; SLEAP Investigators; Canadian Critical Care Trials Group. *Crit Care Med*. 2015 Oct;43(10):2180-90.

Competing Risk Analysis for Evaluation of Dalteparin Versus Unfractionated Heparin for Venous Thromboembolism in Medical-Surgical Critically Ill Patients. Li G, Cook DJ, Levine MA, Guyatt G, Crowther M, Heels-Ansdell D, Holbrook A, Lamontagne F, Walter SD, Ferguson ND, Finfer S, Arabi YM, Bellomo R, Cooper DJ, Thabane L; PROTECT Investigators for the Canadian Critical Care Trials Group; Australian and New Zealand Intensive Care Society Clinical Trials Group. *Medicine (Baltimore)*. 2015 Sep;94(36): e1479.

Workplace blame and related concepts: an analysis of three case Studies. Davidson JE, Agan DL, Chakedis S, **Skrobik Y**. *Chest*. 2015 Aug;148(2):543-9.

Preventing ICU Subsyndromal Delirium Conversion to Delirium with Low-Dose IV Haloperidol: A Double-Blind, Placebo-Controlled Pilot Study. Al-Qadheeb NS, **Skrobik Y**, Schumaker G, Pacheco MN, Roberts RJ, Ruthazer RR, Devlin JW. *Crit Care Med*. 2016 Mar;44(3):583-91.

*Peer-reviewed publications cont'd (Supervised student names in italics)***The RECOVER Program: Disability Risk Groups & One Year Outcome after ≥ 7 Days of Mechanical Ventilation.**

Herridge MS, Chu LM, Matte A, Tomlinson G, Chan L, Thomas C, Friedrich JO, Mehta S, Lamontagne F, Levasseur M, Ferguson ND, Adhikari NK, Rudkowski JC, Meggison H, **Skrobik Y**, Flannery J, Bayley M, Batt J, Dos Santos C, Abbey SE, Tan A, Lo V, Mathur S, Parotto M, Morris D, Flockhart L, Fan E, Lee CM, Wilcox ME, Ayas N, Choong K, Fowler R, Scales DC, Sinuff T, Cuthbertson BH, Rose L, Robles P, Burns S, Cypel M, Singer L, Chaparro C, Chow CW, Keshavjee S, Brochard L, Hébert P, Slutsky AS, Marshall JC, Cook D, Cameron JI; RECOVER Program Investigators (Phase 1: towards RECOVER) and the Canadian Critical Care Trials Group. *Am J Respir Crit Care Med*. 2016 Mar 14. [Epub ahead of print] 2016 Oct 1;194(7):831-844

Analgesia in Neurocritical Care: An International Survey and Practice Audit. *Zeiler FA, AlSubaie F, Zeiler K, Teitelbaum J, Bernard F, Skrobik Y. Crit Care Med*. 2016 May;44(5):973-80

Higher versus lower blood pressure targets for vasopressor therapy in shock: a multicentre pilot randomized trial. Lamontagne F, Meade MO, Hébert PC, Asfar P, Lauzier F, Seely AJ, Day AG, Mehta S, Muscedere J, Bagshaw SM, Ferguson ND, Cook DJ, Kanji S, Turgeon AF, Herridge MS, Subramanian S, Lacroix J, Adhikari NK, Scales DC, Fox-Robichaud A, **Skrobik Y**, Whitlock RP, Green RS, Koo KK, Tanguay T, Magder S, Heyland DK; Canadian Critical Care Trials Group. *Intensive Care Med*. 2016 Apr;42(4):542-50

One-Year Outcomes in Caregivers of Critically Ill Patients. Cameron JI, Chu LM, Matte A, Tomlinson G, Chan L, Thomas C, Friedrich JO, Mehta S, Lamontagne F, Levasseur M, Ferguson ND, Adhikari NK, Rudkowski JC, Meggison H, **Skrobik Y**, Flannery J, Bayley M, Batt J, Dos Santos C, Abbey SE, Tan A, Lo V, Mathur S, Parotto M, Morris D, Flockhart L, Fan E, Lee CM, Wilcox ME, Ayas N, Choong K, Fowler R, Scales DC, Sinuff T, Cuthbertson BH, Rose L, Robles P, Burns S, Cypel M, Singer L, Chaparro C, Chow CW, Keshavjee S, Brochard L, Hébert P, Slutsky AS, Marshall JC, Cook D, Herridge MS; RECOVER Program Investigators (Phase 1: towards RECOVER) and the Canadian Critical Care Trials Group. *N Engl J Med*. 2016 May 12;374(19):1831-1841.

To sleep, perhaps to dream: sedatives and the uncertainties surrounding therapeutic choices. **Y. Skrobik**; editorial, *Chest*. 2016 Jun;149(6):1355-6

Guidelines for Family-Centered Care in the Neonatal, Pediatric and Adult Intensive Care Unit; Davidson JE, Aslakson RA, Long AC, Puntillo KA, Kross EK, Hart J, Cox C, Wunsch H, Wickline MA, Nunnally ME, Netzer G, Gerritsen RT, Hopkins RO, Franck LS, **Skrobik Y**, Kon AA, Scruth EA, Harvey MA, Lewis-Newby M, White DB, Swoboda SM, Cooke CR, Levy MM, Azoulay E, Curtis JR. *Critical care Medicine* 2017 Jan;45(1):103-128

Variation in diurnal sedation in mechanically ventilated patients who are managed with a sedation protocol alone or a sedation protocol and daily interruption. Mehta S, Meade M, Burry L, Mallick R, Katsios C, Fergusson D, Dodek P, Burns K, Herridge M, Devlin JW, Tanios M, Fowler R, Jacka M, **Skrobik Y**, Olafson K, Cook D; SLEAP Investigators and the Canadian Critical Care Trials Group. *Crit Care*. 2016 Aug 1;20(1):233.

The use of low-dose IV haloperidol is not associated with QTc prolongation: Post-hoc Analysis of a Randomized, Placebo-Controlled Trial. Duprey M, Al-Qadheeb N, Roberts R, **Skrobik Y**, Schumaker G, Devlin J. *Intensive Care Medicine* 2016 Nov;42(11):1818-1819

ABCDEF: not so simple **Skrobik Y**, *Critical care medicine*, 2017Jan;45(1): e119-e120.

Intended and unintended consequences of constraining clinician prescribing: the case of antipsychotics; Devlin JD, Smithburger P, Kane J, Fraser GL, **Skrobik Y**; *Critical care Medicine*, Oct 2016 44(10) pp1805-7.

The Evidence to Use Antipsychotics to Prevent or Treat Delirium Remains Sparse. Devlin JW, **Skrobik Y**. *Crit Care Med*. 2016 Nov;44(11): e1151.

A Psychometric Analysis and Systematic Review of Delirium Assessment Tools for Use in Critically Ill Adults; Gélinas C, Bérubé M, Chevrier A, Pun BT, Ely EW, **Skrobik Y**, Barr J; *Critical Care Nurse* 2018 Feb;38(1):38-49.

The Intensive Care Delirium Research Agenda: A Multinational, Interprofessional Perspective; P. Pandharipande; E.W. Ely; R. Arora; Michele Balas; Malaz Boustani; Gabriel Heras La Calle; Colm Cunningham; John Devlin; Julian Elefante; Jin Han; Alasdair MacLulich; Jose Maldonado; Alessandro Morandi; Dale Needham; Valerie Page; Louise Rose; Jorge Salluh; T. Sharshar; Y. Shehabi; **Y. Skrobik**; A. Slooter; Heidi Smith, *Int.Care Med*. DOI 10.1007/s00134-017-4860-7

Peer-reviewed publications cont'd (Supervised student names in italics)

Vasopressor use for severe hypotension - A Multicentre prospective observational study; F. Lamontagne, D.J. Cook, M.O. Meade, A. Seely, A.G. Day, E. Charbonney, K. Serri, **Y. Skrobik**, P. Hebert, C. St-Arnaud, H. Quiroz-Martinez, M. Mayette, and D.K. Heyland, for the Canadian Critical Care Trials Group PLoS One. 2017 Jan 20;12(1): e0167840

Effectiveness and safety of an extended ICU visitation model: a before and after study. Regis Goulart Rosa Tulio Frederico Tonietto, Daiana Barbosa da Silva, Francieli Aparecida Guitierres, Aline Maria Ascoli, Laura Cordeiro Madeira, William Rutzen, Maicon Falavigna, Caroline Cabral Robinson, Jorge Salluh, Alexandre Biasi Cavalcanti, Luciano Cesar Azevedo, Rafael Viegas Cremonese, Tarissa Ribeiro, Cláudia Eugênio, Aline Dornelles, Marina Bessel, José Mario Meira Teles, **Yoanna Skrobik**, Cassiano Teixeira, Delivi-ICU (Delirium and Visits in ICU) investigators; Critical Care Medicine 2017 Jun 30. doi: 10.1097/CCM.0000000000002588. [Epub ahead of print]

Worldwide ABCDEF (Assessing Pain, Both Spontaneous Awakening and Breathing Trials, Choice of Drugs, Delirium monitoring/management, Early exercise/mobility, and Family Empowerment) Survey; Morandi A., Piva S., Ely EW., Myatra SN., Salluh JIF., Amare D., Azoulay E., Bellelli G., Csomos A., Fan E., Fagoni N., Girard TD., Heras La Calle G., Inoue S., Lim CM., Kaps L., Kotfis K., Younsuck K., Misango D., Pandharipande P., Permpikul C., Tan CC., Wang DX., Sharshar T., Shehabi Y. **Skrobik Y.**, Singh JM, Slooter A., Smith M., Tsuruta R., Latronico N. Intensive Care Med. Online June 2017 2017 Nov;45(11):e1111-e1122

Trials of statins in delirium – stymied by complex methodology? **Skrobik, Y.** Devlin JW, Lancet Respiratory medicine (editorial) Lancet Respir Med. 2017 Jul 19. pii: S2213-2600(17)30289-8. doi: 10.1016/S2213-2600(17)30289-8.

Incidence of delirium after cardiac surgery: protocol for the DELIRIUM-CS Canada cross-sectional cohort study; The DELIRIUM-CS Investigators*; for the Canadian Cardiovascular Critical Care Society Investigator Group and the Canadian Critical Care Trials Group; CMAJ open 5(2) E1-7 *DELIRIUM-CS Investigators: Sobey A, Kushner B, Couillard P, Ferland A, Arora RC, Uminski K, Tangri N, Grocott H, Hiebert B, Nagpal D, Fox-Robichaud A, Hutchinson L, Gabor C, Djainai G, Jerath A, McDonald B, **Skrobik Y**, Magder S, Lamarche Y, Andre Denault A, Hassan A, Légaré JF.

Nocturnal dexmedetomidine prevents delirium but not sleep in critically ill adults: a randomized, double-blind, placebo-controlled trial. **Y Skrobik**, MD, FRCP(c), MSc, FCCM; M.S. Duprey, PharmD; N.S. Hill, MD; John W. Devlin, PharmD, FCCM; AJRCCM 2018 Mar 2. doi: 10.1164/rccm.201710-1995OC. [Epub ahead of print]

Delirium Monitoring in Neurocritically Ill Patients: A Systematic Review; M. B. Patel, J. Bednarik, P. Lee, Y. Shehabi, J.I. Salluh, A.J. Slooter, K.E. Klein, **Y. Skrobik**, A. Morandi, P.E. Spronk, A.M. Naidech, B. Pun, F.A. Bozza, A. Marra, S. John, P.P. Pandharipande, E.W. Ely, in press, Critical Care Medicine

Improving Partnerships with Family Members of ICU Patients: A phase II multicenter randomized trial of two family-capacitation strategies The IMPACT Trial Protocol; DK Heyland, J. Davidson, **Y. Skrobik**, A. Roze des Ordons. J. Van Scoy. A.G. Day, V. Vandall-Walker. A. P. Marshall, Trials. 2018 Jan 4;19(1):3.

Reply to: Are sleep alterations the cause of ICU-delirium? **Y. Skrobik** JW. Devlin, AJRCCM 15-May-2018 10.1164/rccm.201804-0776LE

Clinical Practice Guidelines for The Prevention and Management of Pain, Agitation/Sedation, Delirium, Immobility, and Sleep Disruption in Adult Patients in the Intensive Care Unit; J.W. Devlin **Y. Skrobik**, (Vice-Chair) C. Gélinas, DM. Needham, A. J. C. Slooter, PP Pandharipande, PL. Watson, GL. Weinhouse, ME. Nunnally, B Rochweg, MC Balas, M. van den Boogaard, KJ. Bosma, NE. Brummel, G. Chanques, L. Denehy, X. Drouot, GL. Fraser, JE. Harris, AM. Joffe, ME. Kho, JP. Kress, JA. Lanphere, S. McKinley, KJ. Neufeld, MA. Pisani, JF. Payen, BT. Pun, KA. Puntillo, RR. Riker, BRH. Robinson Y. Shehabi, MD, PhD, FCICM PM. Szumita, C. Winkelman, JE. Centofani, C. Price, S. Nikayin, CJ. Misak, PD. Flood, MD K Kiedrowski, MA Waleed Alhazzani, Critical Care Medicine, in press

Methodological Innovation in Creating Clinical Practice Guidelines: Insights from the 2018 SCCM Pain, Agitation (Sedation), Delirium, Immobility and Sleep (Disruption) Guideline Effort; John W. Devlin, PharmD FCCM **Yoanna Skrobik**, Bram Rochweg, Mark Nunnally, Dale M. Needham, Celine Gelinias, Pratik Pandharipande, Arjen A Slooter, MD, PhD Paula Watson, Gerald Weinhouse, Michelle E. Kho, John Centofani, Carrie Price, MLS Lori Harmon, Cheryl Misak, Pamela Flood, Waleed Alhazzani, MSc Critical Care Medicine, in press

Interpreting and Implementing the 2018 Pain, Agitation (Sedation), Delirium, Immobility, and Sleep (Disruption) (PADIS) Clinical Practice Guideline; MC. Balas PhD, RN, CCRN-K, FCCM, FAAN GL. Weinhouse, MD L. Denehy PT, PhD G. Chanques MD, PhD B. Rochweg MD, MSc C.J. Misak, DPhil **Y. Skrobik, MD FRCP(c), MSc. FCCM** JW. Devlin, PharmD, FCCM GL. Fraser PharmD, MCCM Critical Care Medicine, in press

Low-molecular-weight heparin venous thromboprophylaxis in critically ill patients with renal dysfunction: a subgroup analysis of the PROTECT trial; Pai, M.; Douketis, J.; Adhikari, N.; **Skrobik, Y.**; Heels-Ansdell, D.; Qushmaq, I.; Meade, M.; Guyatt, G.; Geerts, W.; Walsh, M.; Crowther, M. Friedrich, J.; Burry, L.; Bellomo, R.; Silva, N.; Cox, M.; Cook, DJ; PLOS ONE, in press

Validation of the Intensive Care Delirium Screening Checklist (ICDSC) and the Confusion Assessment Method for the ICU (CAM-ICU) in a Danish neurointensive care unit (Neuro-ICU); L. Krone Larsen, V Frokjaer, J. Stub Nielsen, **Y. Skrobik**, Y. Winkler, K. Moller, M. Petersen, I. Egerod; submitted, Intensive Care Medicine

Abstracts (published)

Prieur T., Sasson Z., Skrobik Y., Fulop J.C., Williams W.G., Henderson A., Gressner C.D., Wigle E.D., Rakowski H.: Aortic regurgitation following surgery for muscular subaortic stenosis. Canadian Heart/American Heart abstracts, 1984
 Skrobik Y. Dysfonction ventriculaire droite: une nouvelle technique d'évaluation. Am. J. Resp.& Crit.Care Med. April 1995
 Gottfried SB, Beck J. Comtois N., Bourgeois M., Chouinard A. Skrobik Y, Sinderby C: Evaluation of an on-line method to determine diaphragmatic activation in mechanically ventilated patients. AJRDCCM, April 1997
 Gottfried SB, Beck J., Comtois N., Bourgeois M., Chouinard A., Skrobik Y., Sinderby C. Evaluation of an on-line method for monitoring diaphragm activation in mechanically ventilated patients. AJRCCM, 157: A312, 1998
 Bergeron N., Dubois MJ., Dial S., Skrobik Y. Delirium in the intensive care unit: an evaluation tool. ICM Oct1999.

Abstracts (published)

Sinderby C., Beck J., Navalesi P., Skrobik Y., Comtois N., Gottfried SB, Lindström L. Feasibility of using diaphragm electrical activity to trigger mechanical ventilation. Eur Respir J, 14, pp 1935, 1999.Sinderby C., Beck J., Skrobik Y., Laufer B., Comtois N., Navalesi P., Lindström L., Friberg S., Gottfried SB. Triggering mechanical ventilation using diaphragm electrical activity in acute respiratory failure. Intensive Care Medicine, 25:206, 1999.
 Beck J., Sinderby C., Comtois N., Warshawsky P., Skrobik Y., Gottfried SB. Electrical activity of the crural diaphragm reflects global inspiratory muscle activation in acute respiratory failure. Am. J. of Respiratory Diseases + Critical Care Medicine, 159: A365, 1999.
 Gottfried SB, Navalesi P, Beck J., Rossini M, Comtois N., Skrobik Y., Laufer B., Sinderby C. Impact of a neural trigger on patient-ventilator interaction during pressure support ventilation. Am J Resp. Diseases & Crit.Care Med.161: A462, 2000
 Navalesi.P, Beck J., Comtois N., Laufer B., Rossini M., Skrobik Y., Gottfried SB, Sinderby C. Neural vs. pressure triggering during mechanical ventilation in COPD patients with acute respiratory failure. Eur Respir J (Suppl.), European Respiratory Society meeting, September 2000.
 Bergeron N., Dubois M.J, Skrobik Y. Intensive care Delirium Checklist: evaluation of a new screening tool. Psychiatre du Québec, Nov. 2000
 Dubois MJ, Bergeron N, Skrobik Y. Intensive care associated delirium: A prospective study of risk factors. CCM Feb. 2001.
 Bergeron N, Dubois M, Skrobik, Y Intensive Care Delirium Checklist: evaluation of a new screening tool. CCM Feb. 2001
 Dubois M.J., Bergeron N., Skrobik Y. Intensive care associated delirium: a review of risk factors for the consultation liaison psychiatrist. Psychosomatics, mars 2001
 Beck J., Gottfried SB, Comtois N., Laufer B., Navalesi P., Skrobik Y., Sinderby C. Quantification of diaphragm neuromechanical uncoupling during mechanical ventilation. Am J Respir Crit Care Med, 163: A754, 2001
 Neurally adjusted ventilatory assist in acute respiratory failure. Gottfried SB, Skrobik Y., Laufer B., Navalesi P., Comtois N., Beck J., Spahija J., Sinderby C. Neurally adjusted ventilatory assist in acute respiratory failure. Intensive Care Med. 27: S135, 2001. European Society of Intensive Care Medicine, October 2001, Geneva, Switzerland.

Abstracts (published)

Ensuring Adequate Separation in a Trial of Two PEEP Strategies in Acute Lung Injury. Stewart T., Bradley C., Mazer D., Laufer B., Skrobik Y., Cook D., Baxter A., Lapinsky S., Russell J., Meade M. SCCM 2002.

Gottfried SB, Skrobik Y., Laufer B., Navalesi P., Comtois N., Beck J., Spahija J., Sinderby C. Neurally adjusted ventilatory assist in acute respiratory failure. *Am J Respir Crit Care Med.*, 165: A375, 2002

Qualité de l'acte: échec de modalités éducatives aux résidents à des changements durables dans les dossiers de RCR. F. Marquis, Y. Skrobik. *Am J Resp Crit Care Medicine*, May 2003, vol. 167, Suppl.

Impact des mesures anthropométriques sur la corrélation entre l'imagerie par TIE et la spirométrie. F. Marquis, R. Guardo, H. Gagnon, N. Coulombe & Y. Skrobik. *AJRCCM* May 2003 (167) Suppl.

Cheung C, Alibhai SMH, Robinson M, Chittock D, Drover J, Skrobik Y, for the Canadian Critical Care Trials Group. Canadian Physicians' Approach to ICU Delirium Diagnosis and Management: A Survey. *TCCM Symp. CJA* 2004.

La concentration sérique précoce de CC-16 (Clara Cell Protein) est un biomarqueur pronostique du SDRA. O. Lesur, S. Langevin, Y. Berthiaume, M. Légaré, Y. Skrobik, JF Bellemare, B. Levy, Y. Fortier, E. Rousseau,

T. Niyosenga, X. Dumont, A. Bernard. Congrès national de la société de réanimation de langue française, Jan 2004.

Pre-Randomization Multicenter Research Activity. F. J. Clarke, A. Matte-Martyn, C. Martinez, C. Dale, C. Sirois, J. Harvey, C. Harry, J. Potter, Y. Skrobik, S. Mehta, M. Albert, R. Fowler, J. Cooper, S. Finfer, D. J. Cook and J. Granton and the PROTECT Investigators & CCCTG. *AJRCCM*, 2004.

Intensive Care Delirium Checklist: analysis of a shorter checklist's performance. S. Ouimet, M. Dumont, Y. Skrobik. *Intensive care Medicine*, vol. 30, Suppl. 1 S81, Oct. 2004.

Canadian Physicians' Approach to ICU Delirium Diagnosis and Management: A Survey. Cheung C., Alibhai SMH, Robinson M., Chittock D., Drover J., Skrobik Y., for the Canadian Critical Care Trials Group. Toronto Critical Care medicine symposium, Toronto, October 2004; *Canadian Journal of Anesthesia*

PROphylaxis for ThromboEmbolism in Critical Care Trial (PROTECT): A Pilot Study. E. McDonald, G. Poirier, P. Hébert, J. Pagliarello, G. Rocker, S. Langevin, F. LeBlanc, S. Mehta, Y. Skrobik, R. Fowler, J. Granton, A. Freitag, G. Jones, DJ Cooper, M. Meade, G. Guyatt, D. Anderson, W. Geerts, M. Crowther, N. Zytaruk, LE Griffith, D. Cook, for the PROTECT Investigators and Canadian Critical Care Trials Group, McMaster, Hamilton. *American society of Hematology*, Dec. 2004

Risk factors, coma, and consequences of intensive care unit delirium. Skrobik Y., Dumont M., Ouimet S. *Critical Care* 2005, 9 (Suppl 1): P138 (March 7, 2005)

Les facteurs de risque et les conséquences du délirium aux soins intensifs. S. Ouimet, M. Dumont, Y. Skrobik. *Canadian Respiratory Journal*, 12(X), p.13

Impact of High PEEP on Airway Pressures: preliminary Results from an RCT in ALI and ARDS. T.E. Stewart, M.O. Meade, J. Cooper, MD, C. Woolfe, C. French, G. Findlay, Y. Skrobik, MD, C.D. Mazer, J.T. Granton, L. Hand, and A.S. Slutsky. *ATS* May 2005; *American review of respiratory and critical care*, May 2005

Validity and Reliability of Bedside Nursing Assessments of Pain, Sedation and Delirium François Marquis, Rahima Jamal, Isabelle Ayotte, Sébastien Ouimet, Yoanna Skrobik *Can. Journal of Anesthesia* 2006 A418

Le « Intensive Care Delirium Screening Checklist » comme descripteur de symptômes et de devenir des malades. Ouimet S., Riker R., Cossette M., Skrobik Y. Oral presentation, Association des pneumologues de la province de Québec, Réseau en santé respiratoire du FRSQ, November 2005; *Respiratory care*, November 2005

Incidence, facteurs de risque et conséquences du délirium aux soins intensifs. Ouimet S., Kavanagh B.P., Gottfried S.B., Skrobik Y. Oral Presentation, Ass. Pneumologues Québec, RSR FRSQ; *Respiratory care*, November 2005

Zytaruk N, Douketis J, Meade M, Crowther MA, Guyatt G, Geerts W, Anderson D, Skrobik Y, Albert M, Hebert P, Pagliarello G, Granton J, Fowler R, Freitag A, Karachi T, Rabbat C, Mehta G, Rocker G, Poirier G, Marshall J, Cook DJ and the Canadian Critical Care Trials Group. Dalteparin's influence on the renally compromised: anti-ten- a: the DIRECT study. *Proc Am Thor Soc* 2006; 3: A738c.

Dalteparin's Influence on the RENally Compromised: anti-Ten-A: The DIRECT Study. N. Zytaruk, RN1, J. Douketis, MD, M. Meade, MD, M. Crowther, MD, G. Guyatt, MD, W. Geerts, MD, D. Anderson, MD, Y. Skrobik, MD, M. Albert, MD, P. Hebert, MD, G. Pagliarello, MD, J. Granton, MD, R. Fowler, MD, A. Freitag, MD, T. Karachi, MD, C. Rabbat, MD, G. Mehta, MD, G. Rocker, MD, G. Poirier, MD, J. Marshall, MD, D. Cook, MD and the DIRECT Investigators for the Canadian Critical Care Trials Group. McMaster University, Canada; *ATS*, May 2006; *AJRCC*

Analgesia, Sedation and Delirium Management Practice Pattern Variability among Intensivists in a Single Canadian Centre. François Marquis, Sébastien Ouimet, Yoanna Skrobik. *ATS* May 2006; *ARRCCM*, May 2006

Abstracts (published)

Delirium prevention strategies: targeting and improving outcomes. Sébastien Ouimet, Stéphane Ahern, Don-Kelena Awissi, Marie-Ève Cossette, Jean Gelin, Martine Leblanc, Martin Légaré, François Marquis, Jeanne Teitelbaum, Yoanna Skrobik. *Intensive Care Medicine*, vol. 32, Suppl.1 S141, September 2006

Content Validity and Acceptability of « CANHELP » Satisfaction Instruments for French Speaking Patients with End-Stage Medical Disease or Metastatic Cancer. Deb Pichora, Yoanna Skrobik, Johanne Harvey, and Daren Heyland. *Journal of Palliative care*, vol. (22); Autumn 2006.

Challenges in recognizing delirium: impact of scenario-based education on nursing bedside assessment. Devlin J.W.; Marquis F, Riker RR, Bruce H, Robbins T, Fong J, Garpestad D, Didomenico D, Yasuda C, Skrobik, Y. *CCM*, Feb. 2007

The DIRECT Influence of Low Molecular Weight Heparin in Renal Insufficiency in ICU. N. Zytaruk, J. Harvey, A. Matte, M. Steinberg, I. Watpool, T. McArdle, M.J. Lewis, J. Foxall, O. Smith, C. Sirois, K. Code, B. Bojilov, C. Dale, C. Wynne, M. Duffett, E. McDonald, A. Tkaczyk, S. Duchesne, K. Woods, I. DeCampos, A. Richards, Y. Skrobik, M. Albert, G. Pagliarello, J. Granton, R. Fowler, A. Freitag, T. Karachi, J. Freidrich, J. Marshall, P. Hebert, G. Mehta, F.J. Clarke, D. Heels-Ansdell, J. Douketis and D.J. Cook. DIRECT investigators for the CCCTG, AJRMCC

Heparin-induced Thrombocytopenia (HIT) in the Medical-Surgical ICU. N. Zytaruk, D. Cook, M. Albert, Sirois, D. Williamson, P. Hebert, J. Granton, G. Mehta, Y. Skrobik, G. Poirier, M. Crowther, W. Geerts, G. Guyatt, Heels-Ansdell, J. Sheppard, A. Greinacher, TE Warkentin, for the CCCTG. AJRMCC

Paul N., Heyland D., Cook D., Rocker G., Dodek P., Skrobik Y. CARENET: A Resource for Researchers in End-of-Life Care. *J Palliat Care* 2007 23(3):236

Zytaruk N, Harvey J, Matte A, Steinberg M, Watpool I, McArdle T, Lewis MJ, Foxall J, Smith O, Sirois C, Code K, Bojilov B, Dale C, Wynne C, Duffett M, McDonald E, Tkaczyk A, Duchesne S, Woods K, DeCampos I, Richards A, Skrobik Y, Albert M, Pagliarello G, Granton J, Fowler R, Freitag A, Karachi T, Freidrich J, Marshall J, Hebert PC, Mehta G, Clarke F, Heels-Ansdell D, Douketis J, Cook DJ for the DIRECT Investigators and the CCCTG. The DIRECT Influence of LMWH in Renal Insufficiency in ICU. *Proc Am Thor Soc* 2007; 175: A593f

Zytaruk N, D Cook D, Albert M, Sirois C, Williamson D, Hebert P, Granton J, Mehta G, Skrobik Y, Langevin S, Poirier S, Crowther M, Geerts W, Rabbat C, Guyatt G, Heels-Ansdell H, Sheppard J, Greinacher A, Warkentin TE, for the CCCTG. Heparin-induced Thrombocytopenia (HIT) in the Med- Surg ICU. *Proc Am Thor Soc* 2007; 175: A598a

Yeo C, Zytaruk N, Burns K, Wen V, McDonald E, Harvey J, Hammond S, Julien L, Sirois C, Matte A, McGrath-Chong M, Weatherburn C, Autio R, Auld F, Tkaczyk A, Duffett M, Bojilov B, Hand L, Blais M, Laberge N, Mehta S, Muscedere J, Meade M, Skrobik Y, Cooper J, Cook DJ for the CCCTG. Enrolment of medical-surgical ICU patients in a thromboprophylaxis trial. *Proc Am Thor Soc* 2008;177: A41a.

Lacroix J, Fergusson D, Hebert P, McIntyre L, Tinmouth A, Cook D, Marshall J, Callum J, Blajchman M, Skrobik Y, Pretorius R. The Age of Blood Evaluation (ABLE) trial in the critically ill patients: Study design and methodology. American Association of Blood Bankers (AABB) Annual Meeting, Montreal, October 4-7, 2008.

Lutz K, Wilton K, Hall R, Skrobik Y, Vlahakis N, Meade L, Matte A, Meade M, Albert M, Burns K, Barlow Cash B, Cooper DJ, Klinger JR, Heels-Ansdell D, Cook DJ for the PROTECT Investigators, CCCTG and ANZICS. Research Ethics Board Approval for an International Thromboprophylaxis Trial. *Am J Respir Crit Care Med* 2010

Current critical care pharmacists' perceptions and practices surrounding the recognition of delirium in the ICU John Devlin, PharmD, Shubha Bhat, Christopher Burke, pharmd, Russel Roberts pharmd, Yoanna Skrobik, *Critical Care Medicine* 38 (12) Supplement: S Pages: U271-U271 Meeting Abstract: 897 DEC 2010

Impact of quetiapine on resolution of individual delirium symptoms in critically ill patients with delirium: a double-blind, randomized, placebo-controlled pilot study J. Devlin, PharmD Y. Skrobik MD, R. Riker MD, E. Hinderleider BSc, R. Roberts PharmD, J. Fong PharmD, R. Ruthazer MPH, N. Hill MD, E. Garpestad MD *Critical Care Medicine* Volume: 38 Issue: 12 Supplement: S Pages: U266-U266 Meeting Abstract: 880 Published: DEC 2010

Risk Factors for Pulmonary Embolism in Medical-Surgical ICU Patients. N. Zytaruk, M. Meade, S. Mehta, R. Hall, J. Granton, N.D. Ferguson, A. Freitag, J. Muscedere, R. Fowler, Y. Skrobik, M. Jacka, J. Marshall, F. Lauzier, F. Lamontagne, A. Turgeon, N. Vlahakis, J.R. Klinger, P. Devereaux, M. Ostermann, O. Berwanger, K. Khwaja, L. Burry, J. Freidrich, K.E. A. Burns, M. Herridge, D.J. Cooper, A. Bersten, D. Heels-Ansdell, D. Cook for the PROTECT Investigators, the CCCTG and the ANZICS-CTG. *Am J Resp Crit Care Med* 2011 vol. 185 p. A2359

Evaluating Pain, Sedation and Delirium in the Neurologically Critically Ill Yu Amy Y. X.; Teitelbaum J; Skrobik Y 64th Annual AAN Meeting New Orleans, Amer Acad Neurol NEUROLOGY 8(1) Abstract: P02219 APR 2012

Abstracts (published)

C. Katsios, M. Donadini, M. Meade, S. Mehta, R. Hall, L. McIntyre, G. Guyatt, P. Dodek, J. Muscedere, J. Granton, J. Friedrich, R. Fowler, Y. Skrobik, J. Kutsogiannis, M. Albert, C. Doig, M. Cox, N. Vlahakis, J. Klinger, J. Nates, A. Bersten, D. Heels-Ansdell, N. Zytaruk, M. Crowther, D.J. Cook. Published Prediction Models do Not Discriminate Among Critically Ill Patients in Clinically Suspected Pulmonary Embolism in ICU. *Am J Resp Crit.Care Med* 2012 A2360

S Mehta, L Burry, D Cook, M Steinberg, D Fergusson, P Hebert, M Herridge, J Granton, N Ferguson, J Devlin, M Tanios, R Fowler, P Dodek, K Burns, M Jacka, K Olafson, S Reynolds, S Keenan, Y Skrobik, J Kutsogiannis, K Antoni, M Meade, for the SLEAP Investigators and CCCTG. SLEAP: A multicenter randomized trial of daily awakening in critically ill patients being managed with a sedation protocol. *AJRCCM* 2012;185: A3882

Long-Term Patient Outcomes After Prolonged Mechanical Ventilation: The Towards RECOVER Study
M.S. Herridge, L.M. Chu, A.L. Matte¹, L. Chan G. Tomlinson, N.D. Ferguson, S. Mehta J. Friedrich N. Adhikari, R. Fowler, F. Lamontagne, J. Rudkowski, H. Meggison, N. Ayas, Y. Skrobik, J.A. Batt, C.C. dos Santos, J.F. Flannery, S.E. Abbey, G. Rubenfeld, D.C. Scales, T. Sinuff, B. Cuthbertson E. Fan, A.S. Slutsky, G. Leung, A.R. Moody, M. Levasseur, J.C. Marshall, D. Cook, J.I. Cameron *Am J Respir Crit Care Med* 2012;185: A22

Long-Term Outcomes After Prolonged Mechanical Ventilation: Family Caregivers Outcomes from the Towards RECOVER J.I. Cameron, L. Chan, A. Czerwonka L.M. Chu, A. Matte, G. Tomlinson, N.D. Ferguson S. Mehta, J. Friedrich N. Adhikari R. Fowler D. Cook, J. Rudkowski, H. Meggison, S.E. Abbey, J.A. Batt, C.C. dos Santo⁴, J.F. Flannery, G.Leung, J.C. Marshall, A.R. Moody, G.Rubenfeld, D.C. Scales, T. Sinuff, B. Cuthbertson, E. Fan A.S. Slutsky, F. Lamontagne, M. Levasseur, N. Ayas, Y. Skrobik, and MS Herridge *Am J Resp. Crit Care Med* 2012;185: B23

A meta-analysis and meta-regression of randomized, controlled ICU trials with interventions hypothesized to reduce delirium: the relationship between duration of delirium and hospital mortality Al-Qadheeb, N; Fraser, G.; Balk,E; Skrobik, Y; Riker, R; Kress, J ; Whitehead, S; Devlin, J *Crit. Care Med.*40(12) Supp.S U110-11Abstract: 387Dec2012

Evaluating pain, sedation and delirium in the neurologically critically ill: feasibility and reliability of standardized tools: a multi-institutional study Huynh, T ; Yu, A ; Gesin, G ; Teitelbaum, J ; Skrobik, Y *Critical Care Medicine* Volume: 40 Issue: 12 Supplement: S Pages: U303-U303 Meeting Abstract: 1124 Published: DEC 2012

Non-leg venous thrombi during critical illness: a nested prospect cohort study Lamontagne, F; Heels- Ansdell, D; McIntyre, L; Dodek, P ; Meade, M ; Skrobik, Y ; McDonald, E ; Vallance, S ; Zytaruk, N ; Cook, D : *Critical Care Medicine* Volume: 40 Issue: 12 Supplement: S Pages: U208-U209 Meeting Abstract: 758 Published: DEC 2012

Nursing perceptions of pain, sedation and delirium assessment in neurocritical care; Yu, Amy; Huynh, Toan; Russell, Brittany; Yu, A; Huynh, T ; Russell, B; Atnip, K; Teitelbaum, J; Skrobik, Y *Critical Care Medicine* Volume: 40 Issue: 12 Supplement: S Pages: U304-U304 Meeting Abstract: 1125 Published: DEC 2012

Long-Term Patient Outcomes After Prolonged Mechanical Ventilation: Family Caregiver Outcomes from The Towards Recover Study. J.I. Cameron, L. Chan, A. Czerwonka, L.M. Chu, A.L. Matte, L. Chan, G. Tomlinson, N.D. Ferguson, S. Mehta, J. Friedrich, N. Adhikari, R. Fowler, F. Lamontagne, J.C. Rudkowski, H. Meggison, N. Ayas, Y. Skrobik, J. Batt, C. dos Santos, J. Flannery, S. Abbey, G.D. Rubenfeld, D. Scales, T. Sinuff, B. Cuthbertson, E. Fan, A.S. Slutsky, G. Leung, A., Lee, V. Lo, S. Mathur, A. Tansey, M.E. Wilcox, J.C. Marshall, D.J. Cook, A. Tan, Moody M., Levasseur M., Bayley M., Herridge M.S., Canadian Critical Care Trials Group & AJRCCM (E55, pp. 337) *ATS* 2013

Recall of ICU stay in mechanically ventilated patients managed with a sedation protocol or a sedation protocol with daily interruption: results of the sleep multicenter randomized trial S. Mehta, D. Cook, M. Meade, R. Mallick, D. Fergusson, M. Herridge, M. Steinberg, J. Granton, N. Ferguson, J. Devlin, M. Tanios, P. Dodek, R. Fowler, K. Burns, M. Jacka, K. Olafson, S. Keenan, S. Reynolds, Y. Skrobik, L. Burry, the SLEAP/CCCTG *ESCIM* 2013

Delirium, Sub-Syndromal Delirium, Antipsychotic Use, and Associated Clinical Outcomes in Critically Ill Mechanically Ventilated Patients Enrolled in the SLEAP Multicenter Randomized Trial. S. Mehta, D. Cook, M. Meade, R. Mallick, D. Fergusson, M. Herridge, M. Steinberg, J. Granton, N. Ferguson, J. Devlin, M. Tanios, P. Dodek, R. Fowler, K. Burns, M. Jacka, K. Olafson, S. Keenan, S. Reynolds, Skrobik, L. Burry, the SLEAP Investigators and the CCCTG *ESCIM* 2013

Long-Term Patient Outcomes after Prolonged Mechanical Ventilation: The Towards Recover Study. M. Herridge, L.M. Chu, A.L. Matte, L. Chan, G. Tomlinson, N.D. Ferguson, S. Mehta, J. Friedrich, N. Adhikari, R. Fowler, F. Lamontagne, J.C. Rudkowski, H. Meggison, N. Ayas, Y. Skrobik, C. Thomas, J. Batt, C. dos Santos, J. Flannery, S. Abbey, G.D. Rubenfeld, D. Scales, T. Sinuff, B. Cuthbertson, E. Fan, A.S. Slutsky, G. Leung, A. Moody, M. Levasseur¹, M. Bayley, C.M. Lee, V. Lo, S. Mathur, A. Tan, M.E. Wilcox, J.C. Marshall, D.J. Cook, J.I. Cameron *ESCIM* 2013

Preventing ICU Subsyndromal Delirium Conversion to Delirium with Low-Dose IV Haloperidol: A Double-Blind, Placebo-Controlled Pilot Study; N. Al-Qadheeb, Y Skrobik, G Schumaker, M Pache R. Roberts, R. Ruthazer J Devlin *CCM* Jan.2014 *SCCM* abstracts. *Critical Care Medicine*. 41(12): A112, December 2013.

Abstracts (published)

G. Marois, J. Beaudoin, A. Couture, S. Dupuis, E. Morissette-Labbé, E. Tremblay, D. Spooner, R. Brosseau, J.-O. Dyer, Y. Skrobik. Plan de concepts du développement d'un outil de mobilisation pour les patients ventilés mécaniquement séjournant aux soins intensifs. *Respiratory Care* April 2014.

G. Marois, J.O. Dyer, R. Brosseau, A. Couture, J. Beaudoin, S. Dupuis, E. Morissette-Labbé, Élise Tremblay, D. Spooner, Y. Skrobik. Conceptual Development of an Early Mobility Tool for Critically Ill Patients. *AJRCCM* 04.

F. Lamontagne, N. Zytaruk, V. Dhingra, A. Lee, D. Chittock, M. Meade, J.T. Granton, P.M. Dodek, L.A. McIntyre, Y. Skrobik, J. Eddington, J. Botha, D. Evans, M. Cox, J. Nates, D. Schiff, M. Sharpe, D. Heels-Ansdell, F. Clarke, E. McDonald and D.J. Cook for the PROTECT Investigators, the CCCTG and the ANZICS-CTG. Risk of thromboses from peripherally inserted central catheters (PICCs) in the ICU. *Am J Resp Crit Care Med* 14

F. Lamontagne, L.A. McIntyre, P.M. Dodek, D. Heels-Ansdell, M. Meade, J. Pemberton, Y. Skrobik, I. Seppelt, N. Vlahakis, J. Muscedere, G. Reece, M. Ostermann, S. Padayachee, J. Alhashemi, M. Walsh, B. Lewis, D. Schiff, A. Moody, N. Zytaruk, M. LeBlanc and D.J. Cook for the PROTECT Investigators, the CCCTG and the ANZICS-CTG. Non-Leg Venous Thrombosis in Critically Ill Adults: A Nested Prospective Cohort Study. *Am. J Resp Crit Care Med* 04.

Analgesia in Neuro-c.c. systematic review of the literature; AlSubaie F, Zeiler FA, Teitelbaum J, Skrobik Y *CJNS* 2014

Analgesia in Neurocritical Care: Survey & Practice Audit Zeiler FA Al Subaie F, Teitelbaum J, Skrobik Y *CJNS* 2014

Patterns of TPN prescriptions in critical care in Québec Asmaa Khamsi, John Drover, Yoanna Skrobik; *SCCM* Feb.15

Ischemic Stroke Risk for New Onset, Non-Valvular Atrial Fibrillation in Critically Ill Patients – A Systematic Review; S. Sibley; J. Muscedere; Y. Skrobik; *Critical Care Canada Forum 2015 Conference*

Asynchronies evaluation during the first 72 hours of mechanical ventilation; C.de Haro, J. Montanyà, J. López-Aguilar, R. Fernández, G. Muñoz-Albaiceta, M^a Soledad Fernández, M. Turon, G. Gomà, E. Chacón, A. Estruga, C. Subirà, G. Murias, U. Lucangelo, J. Villar, Y. Skrobik, RM Kacmarek, J. Carles Oliva, Lluís Blanch *AJRCCM* May 2016

Effect of a multidisciplinary cost-awareness campaign on medication expenditures in an intensive care unit; Hoi s, Cahill J, Howes D, Skrobik Y, Ilan R, Maslove D, Newman P. *CCCF* 2016

M. Duprey, N. Al-Qaheeb, R. Roberts, Y. Skrobik, G Schumaker, J. Devlin; QTc Interval Prolongation with Low-Dose IV Haloperidol: Post Hoc Analysis of a Placebo Control Trial; *CCM (Sccm congress)* Jan.2017

Effectiveness and safety of an extended visitation policy in the ICU: a before and after study. R. Rosa, T. Tometto, A.

Ascoli, L. Madeira, W. Rutzen, M. Falavigna, C. Robinson, J. Salluh, A. Cavalcanti, L. Azevedo, R. Cremonese, D. da

Silva, A. Dornelles, Y. Skrobik, J. M. Telles, T. Ribeiro, C. Eugenio, C. Teixeira 2017- *International Symposium Intensive Care and Emergency Medicine*

Assessability and validation of Intensive Care Delirium Screening Checklist (ICDSC) and the Confusion Assessment Method for ICU (CAM-ICU) in a Danish neurointensive care unit (NICU). L. Krone Larsen; V. Froekjaer, J. Stub Nielsen, Y. Skrobik, Y. Winkler, K. Moeller, M. Petersen, I. Egerod, *ATS* May 2017

Determinants of Depressive Symptoms at One Year After Intensive Care Unit (ICU) Discharge in Survivors Of >= Seven Days of Mechanical Ventilation: Results from The Recover Program Hamilton, M. Tomlinson, G. Chu, L. Robles, P.Matte, A. Burns, S. Thomas, C. Lamontagne, F. Adhikari, N. K. Ferguson, N. D. Friedrich, J. O. Rudkowski, J. Skrobik, Y.

Cameron, J. Herridge, M. S. *AJRCCM* vol.195 Abstract: A7574 2017

Impact of Nocturnal Dexmedetomidine on Delirium Incidence and Sleep Quality in Critically Ill Adults: A Randomized, Double-Blind, Placebo-Controlled Trial; Y. Skrobik, J. W. Devlin, R.R. Riker, N. Hill, *ATS* May 2017

Nocturnal Dexmedetomidine, Delirium Incidence and Sleep Quality: A Randomized, Double-Blind, Placebo-Controlled Trial; Y. Skrobik, J. W. Devlin, R.R. Riker, N. Hill, *ADS* June 2017

World Federation Neurosciences Nurses 2017; Validation of the Intensive Care Delirium Screening Checklist (ICDSC) and the Confusion Assessment Method for ICU (CAM-ICU) in a Danish neurointensive care unit. L Krone Larsen RN, MCN; V Frokjaer, MD; J Stub Nielsen, MD; Y Skrobik, MD, FRCP(c), MSc. FCCM Y Winkler, MD; Kirsten Moller, MD, PhD, DMSc, EDIC M Petersen RN, PhD; I Egerod, RN, MSN, PhD

Audiovisual Documents

2000 (Oct.) "What's new in CPR," McGill/Boston University/U. de Montréal CME website (> 10,000 listeners)

2001 (Sept.) VTE: "Vanguard: where do we go from here?" Dr. D. Cook, U. de Montréal website, ICU program

2001 (Sept.) "Evidence-based medicine." With Dr. D. Cook; U. Montréal website (first ICU program), HMR

2005 (Oct.) "Fungal infections in the ICU." Intranet presentation, United Health Network, Toronto.

2016 Online interactive discussion about co-authored article, "One-Year Outcomes in Caregivers of Critically Ill Patients," on the NEJM Group Open Forum.

CONTRIBUTION TO INSTITUTIONS*Hospital committees*

1989-91	Head of ICU, St. Mary's Hospital
1991-97	Member of the intensive care committee, Hôpital Maisonneuve-Rosemont (HMR)
1994-98	Member of medical intensive care nursing committee, Hôpital Maisonneuve-Rosemont
1994-98	Member of the cost analysis committee for arterial blood gases, Hôpital Maisonneuve-Rosemont
1995-98	Member of the transplantation committee, Hôpital Maisonneuve-Rosemont
1995-98	Member of the medication use review committee, Hôpital Maisonneuve-Rosemont
1995-98	Member of the organizing committee for the Accreditation Council, Hôpital Maisonneuve-Rosemont
1995-2005	Guest member, hospital committee on teamwork, HMR
2000, 2002	Guest member, selection committee for the chief of nursing in intensive care, HMR
1991-98	Department head, Intensive Care, Department of Medicine, Hôpital Maisonneuve-Rosemont
2000-01	Acting department head HMR ICU
2003-2012	Chair, Committee on resuscitation and intensive care HMR

University committees

1994-2005	Member of the education committee of intensive care, Université de Montréal
1992-98	Member of the education committee in intensive care, McGill University
2000-04	Member of the education committee of pediatric intensive care, Université de Montréal
2000-04	Chief, adult critical care program, Université de Montréal
2000-04	Member, Committee of Program directors, Department of Medicine
2000	Member, core resident interview committee for specialty residencies, Université de Montréal
2001-06	Director of research projects by core medicine residents, Hôpital Maisonneuve-Rosemont
2001-03	Evaluator of projects presented to the core medicine program, Hôpital Maisonneuve-Rosemont

Research Centre and projects committees

1999-2002	Associate director, non-pharmacological clinical research, Guy Bernier research center.
2015-present	Promizing steering committee, CIHR-sponsored mechanical ventilation project; co-PIs Drs. Karen Bosma and Laurent Brochard

Regional/provincial committees

1993-1998	Member of OPTIMAH, Montreal General Hospital
1996	Member, ad hoc committee on the use of laboratory resources in hospitals, Régie régionale de la (summer/fall) santé de Montréal
2001	Member of the Respiratory Health Network (critical care axis), co-director of the cardiovascular sepsis axis, FRSQ
2002-08	Member, advisory sub-committee, scientific medical advisory committee, Québec-Transplant
2005-06	Member of evaluation committee, research in trauma and hemovigilance program, FRSQ.
2005	Evaluator, intensive care grants pilot program, FRSQ
2004-07	Member, Quebec clinical reasoning group
2010	Guest, verification visit by the College of Physicians of Quebec, Hôtel-Dieu d'Arthabaska 2011 (Nov.)- Director, Critical Care Research Group, Respiratory Care Center Network, FRQS. 2010-present

National Committees

2000 (Sept.)-08	Organizing committee for technical skills assessment, Critical Care Working Group, Royal College of Physicians and Surgeons of Canada
2000-04	Critical Care Specialty Committee, Royal College of Physicians and Surgeons of Canada
2002-09	Member, Board of Examiners, Internal Medicine, Royal College of Physicians and Surgeons, Canada
2003 (Nov.)-07	Vice-chair, Internal Medicine Review Committee, Royal College of Physicians and Surgeons, Canada
2004 (May)	Member, ICU Board of Examiners, Royal College of Physicians and Surgeons of Canada
2004-10	Member (by invitation), Educational Research and Development (ERD) Committee, Royal College of Physicians and Surgeons of Canada
2004-08	Intensive Care Executive Review Committee, Royal College of Physicians and Surgeons, Canada Active member, Canadian Critical Care Trials Group

National Committees

- 2004-8 Guest member, New Frontiers on Health Technology Assessment
- 2003 (March) Member, Quality in End-of-Life Care Network consortium (CIHR-funded) meeting, Kingston, Ont.
- 2003 (Oct.) Member, Quality in End-of-Life Care Network consortium meeting (CIHR), Toronto
- 2004 (Jan.) Member, CARENET CIHR funded consortium meeting, Hamilton
- 2004 (June) Guest member, CARENET CIHR funded consortium meeting, North Hatley, Que.
- 2004 (Sept.) Guest member, CARENET CIHR funded consortium meeting, Montreal
- 2006-08 Executive Member, Canadian Critical Care Trials Group
- 2005-12 Executive Member, CARENET (Canadian Researchers at the End of Life Network, CIHR funded)
- 2008-present Expert and member, CPSI (Canadian Patient Safety Institute) webinars, organized by the Canadian Critical Care Collaborative and Canadian Critical Care Society for security and implementation of current evidence in Canadian intensive care

International Committees

- 2004-6 Member, program committee, Assembly on Critical Care, American Thoracic Society
- 2008-2013 Member, sedation, analgesia and delirium guidelines committee, Society of Critical Care Medicine
- 2014-2017 Appointee, guideline-writing panel for updating the Clinical practice guidelines for the support of the family in the patient-centered intensive care unit, Board of Regents, Society of Critical Care Medicine
- 2014-2017 Vice-chair, sedation, analgesia and delirium guidelines committee, Society of Critical Care Medicine

Invited conference presentations

- 2000 Intensive care nephrology, moderator, Canadian Nephrology Society
- 2001 Dorothy Weisberg Day on ARDS, moderator
- 2001 Delirium, sedation, and analgesia in the ICU, moderator, Toronto CCM Symposium
- 2001 Delirium in the ICU, Toronto Critical Care Medicine Symposium
- 2001 ICU delirium screening: how to do it, Mount Sinai Hospital, Toronto
- 2002 Delirium in the critical care setting, Alberta Society of Intensive Care Physicians
- 2002 Awake sedation in the ICU: what is its role? Toronto Critical Care Medicine Symposium
- 2003 Delirium aux soins intensifs : connaissances actuelles, directions futures, Groupe d'intensivistes de l'Enfant-Jésus, Québec City
- 2003 Delirium in the critical care setting, Queen's University, Kingston, Ont.
- 2003 Teaching CPR: what influences physician behaviour? Queen's University, Kingston, Ont.
- 2003 Délirium aux soins intensifs, plenary presentation, Au coeur de la trauma (conférence), Montréal
- 2004 Delirantna stanja v enotah intenzivne terapije (delirium in intensive care), Department of Anesthesia and Intensive Care, University of Ljubljana, Slovenia
- 2004 Delirium in the critical care setting: a simpler screening tool, European Society of Intensive Care Medicine Annual Congress, Berlin
- 2004 (Oct.) Delirium in the critical care setting: who are we treating? Toronto Critical Care symposium
- 2005 (Feb.) Delirium: an overview, invitation by Dr. Richard R. Riker and group, Tufts University School of Medicine, Neuroscience Institute and Department of Critical Care Medicine, Maine Medical Ctr.
- 2005 (Feb.) Delirium: recognition scales, treatment approaches, scientific future directions, Tufts University
- 2005 (May) Delirium aux soins intensifs, Hôpital Saint-Luc, Centre hospitalier de l'Université de Montréal
- 2005 (May) Fungémies aux soins intensifs, Cité de la Santé, Laval, Que.
- 2005 (June) Delirium aux soins intensifs, Hôpital Charles-LeMoine, Longueuil, Que.
- 2005 (Oct.) How common is delirium? Why fungal infections are important, and Patients' perceptions – assessing them, Toronto Critical Care Medicine Symposium
- 2005 (Nov.) Organisation de l'enseignement de la réanimation médicale : Le curriculum canadien en soins intensifs, Congrès de pédagogie en réanimation, Collège National des Enseignants de Réanimation Médicale (CNERM), Aix en Provence, France
- 2005 (Nov. 24) Fungémies aux soins intensifs, Hôtel-Dieu de Montréal
- 2005 (Dec. 2) Delirium aux soins intensifs, Centre hospitalier de Trois-Rivières, Que.
- 2006 (Jan.) How your patient management affects critical care delirium, Alberta Critical Care Conference
- 2006 (Feb.) Critical care delirium: what's new? / Quality assurance in CPR, Canadian Crit.Care Conference, B.C.

Invited conference presentations (cont'd)

- 2006 (Apr. 24-25) How do we improve outcomes? Delirium in the critical care setting, presentations to Misericordia hospital, Grey Nuns Hospital, Royal Alexandra Hospital and University of Alberta Hospital, Edmonton
- 2006 (June 15) How do we improve outcomes? Delirium in the critical care setting, Kingston General Hospital.
- 2006 Guest professor, 2006 National Acute Critical Event Simulation (ACES) Course
- 2006 Le delirium: résultats d'une intervention par protocole, lecture, department of medicine, Hôpital Maisonneuve-Rosemont
- 2006 (Oct.) Delirium prevention: results from an intervention and Overview and update on fungal infection in the ICU, Toronto Critical Care Medicine Symposium
- 2006 (Nov.) Professor, 7° Congreso Nacional de Terapia Intensiva Pediátrica, Ixtapa, Mexico
 Profilaxis del tromboembolismo venoso: es necesaria en el paciente pediátrico?
 Sedoanalgesia en el paciente críticamente enfermo
 Currícula basada en competencias médicas en terapia intensiva
- 2007 (Jan.) Delirium: a biased review, Alberta Critical Care Society meeting
- 2007 (Feb.) Delirium: facts, myths and controversies, Hospital for Sick Children, Toronto
- 2007 (April) Delirium: current knowledge in the ICU, and where we go from here. Regional ICU rounds, Hamilton Sciences Center
- 2007 (Oct.) Sedation and analgesia protocols, scientific programme, Critical Care Canada Forum
- 2007 (3 Nov.) Delirium aux soins intensifs : faits, mythes et controverses, Symposium québécois de soins intensifs, Hôtel Hyatt, Montréal
- 2007 (Nov.) EOL decision making by critical care residents, scientific programme, Critical Care Canada Forum
- 2007 (Nov.) Diagnosis, management and effect on outcome of delirium in the ICU patient, 24th Autumn Meeting of the United Kingdom Association of Cardiothoracic Anesthetists, Cardiff, Wales
- (Feb) Les déterminants du coma iatrogénique et du delirium aux soins intensifs : intensiviste ou destin? Congrès, Société des intensivistes du Québec, Saint-Alexis-des-Monts, Que.
- 2008 Different practices in ICU – Delirium, symposium, American Thoracic Society, Toronto.
- 2008 Guest moderator/session chair, International Conference of the American Thoracic Society 2008
- (Sept.) Dying in the ICU: A quality finish? Dr. D. Heyland, Dr. Y Skrobik, Jane Chambers-Evans, RN.
 MSc. A, MSc(Bioethics). Palliative Care Conference, Montreal
- 2008 Delirium and sub-syndromal delirium, Critical Care Canada Forum, Toronto
- 2009 Delirium management: evidence for change and future directions, 38th Critical Care Congress, Society of Critical Care Medicine, Nashville
- 2009 (Sept.) Sleep and delirium: is there a link? European Respiratory Society (ERS) meeting, Vienna
- 2009 Delirium in the critical care setting: treatment and prevention and Fungal infections in the ICU, Critical Care Canada Forum, Toronto
- 2009 (Oct.) Delirium in the ICU: which scale should be used? Hauptstadtkongress der DGAI für Anästhesiologie und Intensivtherapie mit Pflegesymposium (HAI, anesthesiology and intensive care conference), Berlin
- 2009 (Nov.) Ventibarna, Barcelona:
 Delirium in the ICU ventilated patient: Diagnosis, predisposing factors and clinical consequences
 Delirium in the ICU ventilated patient: Therapeutic aspects
 Delirium in the ICU ventilated patient: The role of caregivers and real-life issues
- 2010 (March) ICU delirium: perspectives on its importance and on caregiver approaches, New England Medical
- 2010 (April) Approche multidisciplinaire de la médecine périopératoire : Confusion postopératoire : que fait-on ?
 Presenters : Yoanna Skrobik and François Donati, Centre de pédagogie appliquée aux sciences de la santé, Faculty of Medicine, Université de Montréal
- 2010 (May) Managing pain in difficult circumstances: like nailing Jell-O to the wall and Patient perceptions: assessing them (To sleep, perchance to scream), Canadian Pain Society meeting, Calgary
- 2010 The Legacy of Critical Illness: long-term patient outcomes and novel solutions and ICU delirium: understanding its role in long-term patient outcomes, American Thoracic Society, New Orleans
- 2010 (Oct.) Delirium measurement, yes? no? or yo? How does a severity scale help us? Hauptstadtkongress der DGAI für Anästhesiologie und Intensivtherapie mit Pflegesymposium (HAI conference), Berlin
- 2010 (Nov.) How I use antipsychotics in the ICU, Critical Care Canada Forum, Toronto
- 2011 (Feb.) La sédation et le delirium aux soins intensifs, Centre régional de Trois-Rivières

Invited conference presentations (cont'd)

- 2011 (March) Sedation, analgesia and delirium management in critical care, grand medical rounds, Carolinas Medical Center, Charlotte, North Carolina
- 2011 (June) Conference (speaker) presentation, Symposium sur le delirium aux soins intensifs, Société de Réanimation de Langue Française, Versailles, France
- 2011 (Nov.) Delirium in the ICU setting: the problem of definition and classification, conference (speaker) presentation, Critical Care Canada Conference, Toronto
- 2011 (Nov.) Keynote speaker, European Delirium Society congress, Umeå, Sweden
- 2012 (Jan.) Conference (speaker) presentation, RECRU seminars (medical epidemiology), McGill University 2012
- (May) Scales and outcomes for pain, sedation and delirium in critical care, conference (speaker) presentation, France Foundation-sponsored seminar, American Thoracic Society, San Francisco
- 2012 (May) Praying for healthy minds in healthy bodies: delirium management, conference (speaker) presentation, European Association of Cardiothoracic Anesthetists (EACTA), Amsterdam
- 2012 (June) Post-operative delirium, presentation, American Delirium Association, Indianapolis
- 2012 (Oct.) Managing delirium and sedation, American College of Chest Physicians, Atlanta
- 2012 (Oct.) Conference (speaker) presentation, European Delirium Association, Bielefeld, Germany
- 2012 (Dec.) Conference (speaker) presentation, ICU, Hospital de Sant Pau, Barcelona
- 2013 Mise à jour des directives de la SCCM 2013 sur le delirium, la sédation et l'analgésie, Conference (speaker) presentation, meeting of the Société des intensivistes du Québec, Montréal
- 2013 (May) Pharmacogenomic variability in the response to sedatives and opioids in the ICU: clinically relevant? and Controversies surrounding analgesia, sedation and delirium in the neurocritically ill, 10th Annual New England Critical Care Pharmacotherapy Symposium, Northeastern University, Boston
- 2013 B56-Neurocognitive and neuromuscular issues in the ICU, discussion facilitator in a thematic poster session at ATS 2013, International Conference of the American Thoracic Society, Philadelphia
- 2013 (May 23) Delirium: focus on prevention and treatment, keynote speaker, Winnipeg Region Health Authority Critical Care Quality Symposium, Winnipeg
- 2013 (Sept.) Visiting professor, critical care, U. Western Ontario:
Delirium prevention, recognition, and treatment in acute care medicine, Grand Rounds, U. Hospital
Pain, sedation and delirium assessment, ICU senior academic half-day session, University Hospital
Pharmacokinetics, pharmacogenomics and drug-drug interactions related to the administration of sedatives in the critically ill, Critical Care Western Grand Rounds
Meeting with Working Group, question and answer
Delirium prevention, recognition, and treatment in acute care, Grand Rounds, Victoria Hospital
- 2013 (Nov. 8-9) Visiting professor, Kingston General Hospital
Drug-drug interactions in critical care, ICU fellow/pharmacist rounds
Alcohol withdrawal in critical care, Critical Care Grand Rounds (KGH/Oshawa)
- 2013 (Dec. 11) ICU-associated withdrawal: Alcohol, iatrogenic, nicotine, Critical care rounds, visiting professor, Hospital de Sant Pau, Barcelona:
- 2014 Alcohol withdrawal in the critically ill: what evidence is there? Alberta critical care society, Jan.24th
- 2014 (invitation, declined) Chest world congress, 'Outcomes in the Critically Ill: what about delirium?'
- 2014 Moderator for poster discussion session: Novel Approaches and Complications in the ICU, American Thoracic Society, San Diego meeting May 2014
- 2014 The ICU Challenge: Translating the Evidence into Everyday Practice in Managing Pain, Agitation and Delirium; Ottawa City Wide rounds, September 23rd
- 2014 Lakeridge Health's Interprofessional Grand rounds: Delirium and Sedation, October
- 2014 Deutschsprachige Delirtag meeting, Stuttgart, Germany (plenary speaker) November
- 2015 PAD-BC initiative; plenary speaker, British Columbia QI initiative in managing pain, agitation delirium; Vancouver
- 2015 Barcelona/May: 'Sedatives, sleep and ventilator synchrony'; Ventibarna MV conference
- 2015 Chest conference Montreal (Oct.); Sedation depth, sleep, molecules and synchrony
- 2015 CCCF conference, presentation: 'sedative choices', chairing delirium session, Toronto
- 2015 Worcester (Massachusetts) expert content presentation, Pain Agitation and delirium quality improvement rollout initiative, November

Invited conference presentations (cont'd)

- 2015 Dexmedetomidine: what is its role? Middle East Pfizer dexmedetomidine launch, Cairo (December)
- 2016 Culture du blâme : comment s'en sortir ? Université de Montreal EMC September
- 2016 World Congress of Anesthesiologists, lunch symposium: sedation in critical care, what updates?
- 2016 UK Intensive Care Society (UK) State of the Art conference, London (plenary);
'Blame: is it part of critical care culture?' and 'delirium management updates'
- 2017 Improving Delirium Phenotypes; lecture SCCM congress
- 2017 ATS invited oral abstract presentation, Nocturnal Dexmedetomidine improves Delirium Incidence in Critically Ill Adults: A Randomized, Double-Blind, Placebo-Controlled Trial

Expertise outside the institution

- 2001-03 Examiner, Royal College of Physicians and Surgeons of Canada (RCPSC), internal medicine
- 2004-07 Vice-chair, exam committee, internal medicine, RCPSC
- 2001-09 Reviewer, Canadian Journal of Anesthesia
- 2001-02 Reviewer, Médecine/Sciences 2001-present Reviewer, Intensive Care Medicine
- 2002-04 Reviewer, JAMA
- 2006-present Reviewer, Academic Medicine
- 2006-present Reviewer, Critical Care
- 2004-present Reviewer, Critical Care Medicine
- 2010-present Reviewer, Lancet
- 2010-present Reviewer, American Journal of Respiratory and Critical Care
- 2010-present Reviewer, CHEST
- 2013-present Editorial board, CHEST; Review board, Int. Care Medicine; Grant reviewer (peer), FRSQ, PSI, CICF
- 2003-09 Representative for the Canadian Critical Care Society, editorial board, Canadian Journal of Anesthesia
- 2005-12 Board of directors, CARENET (Canadian Researchers at the End of Life Network)
- 2005-11 Member, task force on the Clinical Practice Guidelines for Systemic Analgesia and Sedation for Patients in the Intensive Care Unit, Society of Critical Care Medicine
- 2005-11 Board of directors, Canadian Critical Care Trials Group
- 2002 (Feb.) Participant, New frontiers: cost effectiveness of critical care in Canada (CIHR-sponsored) Toronto.
- 2003 (Oct.) Reviewer, resident abstracts and posters, Critical Care Canada Forum 2003 (Oct. 28)
Participant, EOL care (CIHR-sponsored meeting), Toronto
- 2004 (Jan.) Participant, CARENET founding meeting, Hamilton
- 2005 (Sept.) Participant, CARENET meeting, Kingston; Board of directors, CARENET, 2005-11.
- 2010 Evaluator, Health Research Board Ireland (An Bord Taighde Sláinte)
- 2011 Consultant, Patented Medicine Prices Review Board
- 2012, 13, 15, 16 Evaluator, Dutch Organization for Health Research and Development (ZonMw)
- 2013 (April) Investigator meetings, OSCILLATE study, Ottawa
- 2013 Reviewer, resident abstracts and posters, Critical Care Canada Forum 2013 (Oct.)
- 2014 National Institute of Academic Anaesthesia Grant application reviewer
- 2015 Evaluator, the U. of Montreal's COPSÉ program (Stages d'été d'initiation à la recherche en sciences de la santé; Summer internships as an introduction to Health Sciences Research) competition.
- 2016,7 Advisory Board Precedex; presenter, sponsored by Pfizer Canada
- 2017 Reviewer, research Grants Council (RGC) of Hong Kong.
Canadian Frailty Network conference (April 2017) poster adjudicator

Scientific organizations

- 2012 (Jan). Leader, Critical care research network, Réseau de soins respiratoires, FRQS-present
- 2001-present Member, respiratory/critical care axis, FRSQ
Reviewer, intensive care pilot subsidies program
Reviewer, traumatology and hemovigilance program (2005) American College of Chest Physicians
Canadian Critical Care Society
Society of Critical Care Medicine, USA
European Society of Intensive Care Medicine Canadian Critical Care Trials Group
American Thoracic Society

Professional organisations

Internistes, gériatres et rhumatologues du Québec
 Canadian Critical Care Society
 Collège des médecins du Québec
 Ontario College of Physicians and Surgeons (license no. 54479)
 American Board of Internal Medicine
 Royal College of Physicians and Surgeons of Canada
 Society of Critical Care Medicine
 American College of Chest Physicians

Charity

1978-present Member, Amnesty International, 1978-present
 1991-95 Member, Médecins sans frontières Canada

Expertise

1991-2010 Expert witness, Canadian Medical Protective Association, 1-2 cases a year
 2014 Invitation as a consulting expert for the implementation a methodological guide for the development of practice guidelines, for l'INESSS (The Institut national d'excellence en santé et en services sociaux, an advisory board to the provincial Health ministry to promote clinical excellence and the efficient use of resources in the health and social services sector.)

Media

1995 (Nov.) Interview, L'Actualité
 1996 Interview, Journal de Montréal
 1998 Television interview (withdrawal of care), Enjeux, Radio Canada
 1999 Interview (emergency rooms), Radio-Canada
 1999 (March 22) Interview (ambulance services), The Gazette (Montreal)
 2000 Television interview (NAVA mechanical ventilation research project), Réal d'Amours, Radio Canada
 2002 Le délirium, Forum Express www.iforum.umontreal.ca/ForumExpress/Archives/vol2no2fr/article05.html
 2003 (March 28) "Dis-moi si tu délirés, je te dirai si tu vas mourir," La Science au Québec
 2004 (oct) Televised interview (antibiotics in the AATICC study), Radio-Canada
 2010 Front page interview, Montreal Gazette
 2011 Interview, Canal D, 'J'ai froilé la mort'
 2013 Interview, Champ Libre (Line Boily); <http://ici.radio-canada.ca/audio-video/pop.shtml?urlMedia=http://www.radio-canada.ca/Medianet/2013/CJBC/Champlibre201308071514.aspx>
 2014 Podcast, Clinical Conversations, New England Journal of Medicine, <https://podcasts.iwatch.org/index.php/podcast-166-delirium-and-intensive-care/2013/08/21/>
 2014 Interview, Brian Furlow, 'Might statins prevent delirium in Intensive Care Units?' www.thelancet.com/respiratory, Published online February 3, 2014 [http://dx.doi.org/10.1016/S2213-2600\(14\)70010-4](http://dx.doi.org/10.1016/S2213-2600(14)70010-4) in the Lancet Respiratory Medicine
 2017 Interview, opiate hyperalgesia, Quirks and Quarks CBC program <https://www.queensu.ca/gazette/in-the-news/november-6-2017>
 2018 Delirium program interview, CBC/ the National, Marcy Cuttler/ Kas Roussy

Titles, distinctions

1996 (May) "Rôle des ECHF dans le travail respiratoire," 2nd prize for scientific poster, Journée de recherche, Department of Medicine, Université de Montréal
 1996 (June) "Rôle des ECHF dans le travail respiratoire," 1st prize for poster presentation, Journée scientifique Hôpital Maisonneuve-Rosemont, Université de Montréal
 1999 (Nov.) "Delirium aux soins intensifs : une échelle d'évaluation," 1st prize for scientific projects, Association des médecins psychiatres du Québec (AMPO), Québec City
 2001 "Delirium aux soins intensifs: facteurs de risque," best supervised resident project, Society for Liaison Psychiatry, New York Organization of the Academy of Psychosomatic Medicine

Titles, distinctions

- 2002 (May) "Qualité de l'acte : échec de modalités éducatives aux résidents à des changements durables dans les dossiers de RCR." François Marquis, Yoanna Skrobik. Best abstract prize, Journée de recherche Maisonneuve-Rosemont
- 2005 (Oct.) "Validity and reliability of bedside nursing assessments of pain, sedation and delirium." François Marquis, Rahima Jamal, Isabelle Ayotte, Sébastien Ouimet, Yoanna Skrobik. Winner of the 6 best presentations competition, Toronto Critical Care Medicine Symposium
- 2006 "Étude I-SAVE : L'impact de protocoles de sédation, d'analgésie et de delirium aux soins intensifs : une étude pharmacoéconomique." Bégin C., B.Pharm.; Moisan J., B.Pharm., MSc. Candidates : Awissi DK, B.Pharm., MSc., BCPS; Savoie M., B.Pharm., MSc.; Lachaine J., PhD.; Skrobik Y., MD, FRCP. Excellence prize, APES-SCPH (Association des pharmaciens d'établissements de santé du Québec and Canadian Society of Hospital Pharmacists, Québec section), Pfizer
- 2012 (Jan.) Lise et Jean Saine Academic Chair in Critical Care (first philanthropic critical care chair in Canada), Université de Montréal
- 2015 Chercheur Boursier Clinicien Junior 2, FRQS
- 2013 Fellow nomination, (FCCM) American College of Critical Care Medicine
- 2013,5,6 SCCM Presidential citations for contributions to the scientific community and body of knowledge.

Society mentorships

- American Thoracic Society 2017 Scott Denstaedt, MD, Pulmonary and Critical Care Medicine, Fellow, U. of Michigan
Jen-Ting Chen, MD, Assistant Prof. Medicine Albert Einstein College of Medicine, Division of Critical Care Medicine, Montefiore Medical Center

Other educational and teaching forums

- 2003 Participation, Form + Function Conference: The Hospital, 3rd International Conference, School of Architecture, McGill
- 2003 Participation, Design & Health Conference, Palais des Congrès, Montréal (June 25-29)
- 2012, 13,14 Entéropathie au gluten, présentation, Département d'études urbaines et touristiques, Université du Québec à Montréal
- 2014 Université d'automne 2014, programme Faculté de médecine, Centre de Pédagogie Appliquée aux Sciences de la Santé (CPASS) : 'Implanter un changement pédagogique' course
- 2016 7^e Journée Départementale de Développement Professoral (CPASS U. Montréal, participation and presenter, 'le clinicien enseignant: un érudit qui s'ignore'; presentation title: 'La culture du blâme: Comment la reconnaître, en libérer votre milieu d'apprentissage et s'en sortir intact'
- 2017 Systems Transformation: Navigating Complexity Through Dialogue program, Queen's University Continuing Professional Development Program
- 2017 Negotiation and Leadership course, Program on Negotiation, Harvard Law school, Cambridge, MA.
Bargaining with the Devil seminar, Program on Negotiation, Harvard Law school, Cambridge, MA.
- 2017 Canadian Frailty Network Summit on Medication Optimization for Frail Older Canadians
- 2017 Ateliers De Développement Professionnel Continu Collège des Médecins du Québec : 'Les échanges électroniques avec le patient'
- 2017 McMaster Continuing Health Sciences Education, 7th Annual Update in Geriatrics