

JOHN W. DEVLIN, PHARM.D., BCCCP, MCCM, FCCP

**Professor, Department of Pharmacy and Health Systems Sciences,
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**Associate Scientist, Division of Pulmonary/Critical Care Medicine,
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Brigham and Women's Hospital;
Instructor in Medicine, Harvard Medical School;
Boston, MA**

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EDUCATION/EMPLOYMENT HISTORY

Education

1996 - 1997 Critical Care Pharmacy Fellowship, Henry Ford Hospital, Detroit, MI
1994 - 1996 Doctor of Pharmacy, University of Toronto, Toronto, ON
1988 - 1989 Pharmacy Practice Residency, London Health Sciences Centre, London, ON
1984 - 1988 Bachelor of Science in Pharmacy, University of Toronto, Toronto, ON

Employment History

2020-Present Instructor in Medicine, Harvard Medical School, Boston, MA
2020-Present Associate Scientist, Division of Pulmonary and Critical Care Medicine, Brigham and Women's Hospital, Boston, MA
2020-Present Critical Care Pharmacist, Department of Pharmacy, Brigham and Women's Hospital, Boston, MA
2014-2015 Acting Chair, Department of Pharmacy Practice, Northeastern University, Boston, MA
2013-Present Professor (with tenure), School of Pharmacy, Northeastern University, Boston, MA
2011-2020 Special and Scientific Staff, Division of Pulmonary, Critical Care and Sleep Medicine, Department of Medicine, Tufts Medical Center, Boston, MA
2009-2013 Associate Professor (with tenure), School of Pharmacy, Northeastern University, Boston, MA
2005-2020 Adjunct Associate Professor, Tufts University School of Medicine, Boston, MA
2004-Present Director, Critical Care Pharmacy Fellowship Program, School of Pharmacy, Northeastern University, Boston, MA
2003-2009 Associate Professor (without tenure), School of Pharmacy, Northeastern University, Boston, MA
2003-2020 Clinical Pharmacist Specialist, Critical Care (MICU), Tufts Medical Center, Boston, MA
2002-2003 Adjunct Associate Professor, College of Pharmacy and Allied Health Professions, Wayne State University, Detroit, MI
2000-2003 Director, Critical Care Fellowship Program, College of Pharmacy and Allied Health Professions, Wayne State University, Detroit, MI
1996-2002 Adjunct Assistant Professor, College of Pharmacy, Wayne State University, Detroit, MI
1997-2003 Clinical Pharmacist Specialist, Surgery/Critical Care, Detroit Receiving Hospital and University Health Center, Detroit, MI
1994-1996 Clinical Pharmacist, Intensive Care Unit, Toronto Hospital, General Division, Toronto, ON
1992-1994 Clinical Pharmacist, Critical Care/General Medicine, Greater Victoria Hospital Society Victoria, BC
1989-1991 Clinical Pharmacist, Critical Care, St. Joseph's Hospital, Hamilton, ON

Certification and Licensure

2016-Present Board Certification as a Critical Care Pharmacotherapy Specialist (BCCCP)
2003-Present Pharmacist Licensure: State of Massachusetts (#25643)

1997-2010 Board Certification as a Pharmacotherapy Specialist (BCPS)
 1997-Present Advanced Cardiac Life Support (ACLS)

Awards and Honors

2021 Best post award:resident/fellows (1st runner up), American College of Clinical Pharmacy (Ting Ting Wu, PharmD)
 2020 Best poster award:resident/fellows, American College of Clinical Pharmacy (Matt Duprey PharmD, PhD)
 2020 Master of Critical Care Medicine (MCCM), American College of Critical Care Medicine
 2020 In Training Research Award, Society of Critical Care Medicine (Matt Duprey, PharmD, PhD awardee)
 2018 Distinguished Service Award, Society of Critical Care Medicine
 2013 Distinguished Scholar and Fellow, National Academies of Practice (NAP)
 2012 Faculty inductee, Rho Chi Honor Society, Beta Tau Chapter, Northeastern University
 2011 Critical Care Practice and Research Network Research Achievement Award, American College of Clinical Pharmacy
 2007 Visiting Professor Award, Society of Critical Care Medicine
 2007 Pharmacy Fellowship Research Award, Society of Critical Care Medicine
 2007 Pharmacy Specialty Research Award, Society of Critical Care Medicine
 2005 Fellow (FCCP), American College of Clinical Pharmacy
 2005 GI/Liver/Nutrition Practice and Research Network Travel Award, American College of Clinical Pharmacy
 2004 Joseph F. Dasta Critical Pharmacy Research Grant, Society of Critical Care Medicine
 2003 Fellow (FCCM), American College of Critical Care Medicine
 2002 Bayer Research Award, Fifth Annual Conference of Infectious Disease Pharmacotherapy
 2000 Nursing Section Research Award, Society of Critical Care Medicine
 1998 Bayer Publication Award, Canadian Society of Hospital Pharmacists
 1998 Educational Scholarship Research Award, Society of Critical Care Medicine
 1996 Baxter Award, University of Western Ontario/McMaster University Critical Care Research Day

SCHOLARSHIP/RESEARCH

Research Funding

Current

PI: Devlin, John W 11/01/21 to 10/31/23
 Sedana Medical

A phase 3, multicenter, randomized, double-blind, trial evaluating inhaled sevoflurane versus IV propofol in mechanically ventilated adults requiring continuous sedation.

Goal: To evaluate the safety and efficacy of inhaled sevoflurane (administered via the anaconda device) vs propofol in mechanically ventilated, critically ill adults.

Role: Principle Investigator

PI: Devlin, John W 06/01/21 to 5/30/24
 BioXcel Therapeutics Inc

A phase 2, multicenter, randomized, double-blind, placebo-controlled, ascending starting dose finding, safety, and efficacy study of BXCL501 in agitation associated with delirium in ICU patients.

Goal: To evaluate the dose, safety and efficacy of a new subbuccal film tab formulation of dexmedetomidine for the treatment of delirium in critically ill adults.

Role: Principle Investigator

(MPI Devlin, John/Wallace, Byron) 07/01/21 to 9/30/22
 Northeastern University Tier 1 Award

Learning to predict disrupted sleep from critical care notes with indirectly supervised neural models.

Goal: Characterize rule-based patterns in EHR ICU clinician notes associated with disorganized sleep to train a model to predict when ICU patients are currently experiencing disrupted sleep.
 Role: Multiple Principle Investigator

R13185760 (MPI: Devlin, John W/Busbsy-Whitehead, Jan) 01/01/21 to 12/31/25
 National Institutes of Aging

The Network for Investigation of Delirium: Unifying Scientists (NIDUS) 9th to 13th Annual Delirium Bootcamps: a foundation for future exploration.

Goal: To formally mentor junior investigators focused on delirium research through a 3-day annual bootcamp.
 Role: Multiple Principle Investigators

R33HL23452 MPI: Inouye, Sharon K/Jones, Richard) 09/01/21 to 08/31/26
 National Institutes of Aging

NIDUS II: Advanced-stage development and utilization of the NIDUS research infrastructure to advance interdisciplinary aging research in delirium.

Goal: This is a collaborative network to advance scientific research on the causes, mechanisms, outcomes, diagnosis, prevention, and treatment of delirium in older adults.
 Role: Co-Investigator

R21/R33 AG05797 (PI: Briesacher, Becky A) 12/01/18 to 11/30/23
 National Institutes of Aging

Clarifying the Relationship between Delirium, Alzheimer’s Disease, and Related Dementias.

Goal: This nationwide and longitudinal study will provide a novel and robust exploration of the critical role that appropriate NH care plays after acute care hospital discharge in patients with delirium, dementia or both.
 Role: Co-Investigator

CIHR3456DRX (PI: Burns, Karen E) 9/01/18 to 8/31/23
 Canadian Institute for Health Research

Frequency of Screening and SBT Technique Trial - North American Weaning Collaboration (FAST-NAWC)

Goal: This multicenter, factorial design, randomized controlled trial with concealed allocation, seeks to comparing the effect of Goal: both screening frequency (once versus at least twice daily [ALTD]) and SBT technique (Pressure Support [PS] + Positive End-Expiratory Pressure [PEEP] vs T-piece) on the time to successful extubation in 760 critically ill adults who are invasively ventilated for at least 24 h in 20 North American ICUs.
 Role: Co-Investigaor

R21AHQR8480441001 Agency for Healthy Care Quality and Research (PI: Sikora, Andrea) 1/1/22 to 12/31/23

Use of machine learning models for medication regimen complexity to predict critical care pharmacist resources.

Role: Co-Investigator

Past

ZonMW8480441001 (PI: van der Jaght, Mathieu) 01/01/18 to 06/30/21
 Netherlandse Organisatie voor Wetenschappelijk (NWO)

Efficacy of haloperidol to decrease the burden of Delirium In adult Critically ill patiEnts (EuRIDICE): study protocol for a prospective randomised multi-center double-blind placebo-controlled clinical trial.

Goal: This multicentre, randomize, placebo-controlled trial seeks to evaluate the effect of IV haloperidol for the treatment of delirium in critically ill adults on relevant outcomes including delirium symptom burden and long term cognitive, functional and psychological outcomes.
 Role: Consultant

F31AGO66460-01 (PI: Duprey, M) 9/01/19 to 8/31/20
 National Institute of Aging

Perioperative Medication Use, Postoperative Delirium, and Cognition in Older Adults Undergoing Elective Non-Cardiac Surgery

Goal: Using the SAGES, this NIA graduate fellowship award supports Dr. Devlin’s current PhD student, Mathew Duprey’s

pharmacoepidemiologic investigation that seeks to evaluate the association between pre- and post-operative medication on post-operative delirium and cognition at both 12 and 24 months.

Role: Co-Investigator/Mentor

American College of Clinical Pharmacy Research Foundation (PI: Duprey, M)
2018 Graduate Student Research Award

10/01/18 to 9/30/20

Opioid Associated Delirium in Critically Ill Adults

Goal: Using a 12,000 patient Dutch ICU database this cohort study, by using for daily Markov transition models and multinomial regression analysis that account for pain scores, seeks to measure the association between daily opioid exposure and delirium occurrence in critically ill adults.

Role: Co-Investigator/Mentor

AstraZeneca Pharmaceuticals (PI: Devlin, John W)

11//01/16 to 10/31/19

Naloxegol (Movantik) for the Prevention of Opioid Induced Constipation in Critically Ill Adults Initiated on Scheduled IV Opioid Therapy: A Randomized, Double-blind, Placebo- Controlled, Pilot Study.

Goal: This pilot study seeks to evaluate and efficacy and safety of naloxegol for the prevention of opioid induced constipation in critically ill adults.

Role: Principle Investigator

R01HL111111 (PI: Pandhardipande, Pratik)

8/01/12 to 6/30/19

National Heart Lung and Blood Institute

The MENDS-II Study: Maximizing the Efficacy of Sedation and Reducing Neurological Dysfunction and Mortality in Septic Patients with Acute Respiratory Failure

Goal: The MENDS II study will compare propofol and dexmedetomidine and determine the best sedative medication to reduce delirium and improve survival and long-term brain function in our most vulnerable patients- the ventilated septic patient.

Role: Co-Investigator

1R21G04567212-01A1 (PI: Briesacher, BA)

3/01/15 to 2/01/17

National Institutes of Aging

Consequences of Reducing Antipsychotic Prescribing in Nursing Homes

Goal: The objectives of this study are to describe the current landscape of antipsychotic use in the nursing home setting and estimate how the antipsychotic reduction campaign influenced prescribing.

Role: Co-Investigator

Arabian Cultural Ministry (PI: Devlin, John W)

7/1/13 to 6/30/16

Financial Support for Abdullah Al-Hammad, PharmD, Critical Care Fellowship Program

Role: Principle Investigator

Hospira Pharmaceuticals Canada (PI: Skrobik, Yoanna)

6/1/13 to 5/30/16

The effect of a dexmedetomidine nocturnal sleep protocol on delirium incidence, sleep quality and healthcare costs in critically ill patients: A prospective randomized, double-blind, pilot study

Goal: To determine whether a dexmedetomidine nocturnal sleep protocol will reduce delirium and improve sleep quality among patients requiring admission to the ICU.

Role: Co-Investigator

Hospira Pharmaceuticals

9/12 to 12/14

Incidence, characterization and outcomes of adverse effects associated with IV sedation in the United States over an 8 year period.

The primary goal of this project is to collaborate with Adverse Events Inc (a beta-stage, web-based, searchable database of the FDA's MedWatch system and IMS Inc to determine the incidence, types and outcomes of adverse events associated with IV sedation in the United States between 2004 and 2011.

Role: Principal Investigator

1R15AG034915-01A1 (PI: Devlin John W)

9/1/10 to 8/31/13

National Institutes of Aging

Preventing ICU subsyndromal delirium conversion to delirium with haloperidol

Goal: The primary goal of this ICU clinical study is to determine whether the administration of low-dose IV haloperidol in mechanically ventilated patients with subsyndromal delirium prevents delirium.

Role: Principle Investigator

Nederlandse Organisatie voor Wetenschappelijk (NWO)

1/13 to 4/13

NWO visiting scientist travel grant

The primary goal of this travel grant (from Netherland's equivalent to the NIH) is to support the travel costs of Dr. Devlin during a 2 month sabbatical visit to Utrecht Medical Center to work with Dr. Arjen Slooter's ICU delirium research team.

Role: Co-I (A Slooter, PI)

Hospira Pharmaceuticals

9/09 to 12/12

Efficacy and safety of dexmedetomidine during non-invasive positive pressure ventilation for patients with acute respiratory failure: a randomized, double-blind, placebo-controlled study.

This randomized, double-blind, placebo-controlled ICU clinical study is seeking to determine whether the addition of low-dose dexmedetomidine sedation improves non-invasive ventilation tolerance and comfort for patients admitted to the ICU with acute respiratory failure who are being managed by non-invasive ventilation.

Role: Co-I (N. Hill PI)

Canadian Foundation for Critical Care Research

06/10 to 3/12

Psychological, cognitive, and sleep morbidity following the use of a sedation protocol vs. a sedation protocol and daily sedative interruption in critically ill, mechanically ventilated adults. SLEAP-Sleep, Cognition and Psychology (SLEAP-SCP) Study

Role: Co-I (S. Mehta PI)

Canadian Institute for Health Research PI: (Mehta, Sangeeta)

10/08 to 3/12

Randomized trial of daily sedative interruption in critically ill, mechanically ventilated patients being managed with a sedation protocol.

Role: Co-Investigator

National Institutes of Health

7/08 to 6/10

Expert panel member of the Therapeutics, Development and Implementation Component of the Tufts University School of Medicine's Clinical and Translational Science Initiative.

Role: Co-I (H. Selker PI)

Hospira Pharmaceuticals

9/08 to 8/09

Prevalence of symptoms associated with the propofol infusion syndrome (PRIS) and validation of a PRIS mortality scoring system.

Role: PI

University of Massachusetts Medical School

7/07 to 6/08

Studying the treatment of acute hypertension (STAT).

Role: PI

Society of Critical Care Medicine Pharmacy Fellowship Award

7/07 to 6/09

A program of delirium investigation.

Role: PI

Society of Critical Care Medicine

9/05 to 8/07

AstraZeneca Pharmaceuticals

The efficacy and safety of quetiapine in medical intensive care unit patients with delirium: A randomized, double-blind, placebo-controlled study.

Role: PI

TAP Pharmaceutical Products

11/04 to 6/07

Comparison of enteral vs. parenteral lansoprazole pharmacodynamic response in critically ill patients

Role: PI

Submitted

CIHH433245DX (MPI: Devlin, John W/Al-Hazzani W)

Canadian Institute for Health Research

Non-invasive ventilation and dexmedetomidine in critically ill adults: a pragmatic randomized controlled trial (INDEX trial)

Role: Multiple Principle Investigator

Refereed Articles (current H-Score=51)

Original Research

142. Møller MH, Alhazzani W, Lewis K, Belley-Cote E, Granholm A, Centofanti J, McIntyre WB, Spence J, Duhailib ZA, Needham DM, Evans L, Reintam Blaser A, Pisani MA, Aragon F, Shankar-Hari M, Alshahrani M, Citerio G, Arora R, Mehta S, Girard T, Ranzani OT, Hammond N, **Devlin JW**, et al. Use of dexmedetomidine for sedation in mechanically ventilated adult ICU patients: a rapid practice guideline. *Intensive Care Med* 2022 (under review)
141. Lewis K, Alshamsi F, Carayannopoulos KL, Granholm A, Picicaru J, Al Duhailib Z, Chaudhuri D, Spatafora L, Yuan Y, Centofanti J, Spence J, Rochweg B, Perri D, Needham DM, Holbrook A, **Devlin JW**, et al. Dexmedetomidine vs other sedation strategies in critically ill mechanically ventilated adults: a systematic review and meta-analysis of randomized trials. *JAMA* 2022 (under review).
140. Duprey MS, Allison H, Garpestad E, Riselli AM, Faugno A, Anketell E, **Devlin JW**. Naloxegol to prevent constipation in critically ill adults receiving opioids: a randomized, double-blind, placebo-controlled trial. *Crit Care Research Practice* 2022 (under review)
139. Zervas I, Hume N, Wong A, Klein-Fedyshin M, Smithburger P, Buckley M, **Devlin JW**, Kane-Gill S. Implementation strategies for PAD/PADIS and related ICU outcomes: a systematic review & meta-analysis. *Crit Care Med* 2022 (under review)
138. Kovacevic M, Duprey M, Dube K, Szumita PM, Sutton S, McCrobie T, Zeballos J, **Devlin JW**. Association between non-opioid analgesic use and opioid exposure in critically ill surgical adults. *Anesthesiology* 2022 (under review)
137. Wu TT, Zegers M, Griffith J, Kooken R, **Devlin JW**, Van den Boogaard M. Pre-ICU anxiety and depression and the risk of delirium in critically ill adults. *J Crit Care* 2022 (under review)
136. **Devlin JW**, Train SE, Burns KEA, Massaro A, Vassaur J, Selvan K, Kress JP, Erstad B. Critical care pharmacist attitudes and perceptions of neuromuscular blocker infusions in ARDS. *Ann Pharm* 2022 (under review)
135. Train SE, Erstad B, Burns KEA, Massaro A, Wu TT, Vassaur J, Selvan K, Kress JP, **Devlin JW**. Critical care physician attitudes and perceptions of neuromuscular blocker infusions in ARDS. *Annals ATS* 2022 (under review)
134. Duprey MS, **Devlin JW**, Griffith JL, Trivison TG, Briesacher BA, Jones R, Sacsynski JS, Schmitt EM, Gou Y, Marcantonio ER, Inouye SK. Association between perioperative medication use and post-operative delirium and cognition in older adults undergoing elective non-cardiac surgery. *Anesth Analg* 2021 (in press)
133. Dionne J, Mbuagbaw L, **Devlin JW**, et al. Diarrhea: interventions, consequences and epidemiology in the intensive care unit: the DICU-ICU prospective multicenter cohort study. *Intensive Care Med* 2021 (in press)
132. Briesacher BA, Olivieri-Mui BL, Koethe B, Sacsynski JS, Fick DJ, **Devlin JW**, Marcantonio EM. Psychoactive prescribing after delirium screening in skilled nursing facilities. *J Am Geriatrics Soc* 2021 (in press)
131. Sutton S, McCrobie T, Kovacevic MR, Dube KM, Szumita PM, Herod K, Bezio A, Choi H, Duprey MS, Zeballos J, **Devlin JW**. Impact of the 2018 SCCM PADIS guidelines on non-opioid analgesic use and related outcomes in critically ill adults after major surgery. *Crit Care Explor* 2021; 3(10): e0564(in press).
130. Wu TT, Ko S, Kooken R, Zegers M van den Boogaard, **Devlin JW**. Exploring ketamine analgosedation use and its effect on incident delirium in critically ill adults *Crit Care Explor* 2021; 28:e0544.
129. Wu TT, **Devlin JW**, Zegers M, Griffith J, Kooken R, Van den Boogaard M. Association between social determinants of health and delirium in critically ill adults. *Crit Care Explor* 2021; 3(9):e0532
128. Louzon PR, Wu TT, Bolton D, Bricker K, Ali F, **Devlin JW**. Sleep documentation by ICU clinicians: prevalence, predictors and agreement with sleep quality and duration. *Intensive Crit Care Nurs* 2021; 67:103115
127. Duprey MS, Dijkstra-Kersten SMA, Zaal IJ, Briesacher BA, Sacsynski JS, Griffith, JL, **Devlin JW**, Slooter AJC. Opioid use increases the risk of delirium independently of pain in critically ill adults. *Am J Respir Crit Care Med* 2021;204(5):566-572

126. Rose L, Burry L, Agar M, Blackwood B, Campbell NL, Clarke M, **Devlin JW**, et al. A core outcome set for studies evaluating interventions to prevent and/or treat delirium for adults requiring an acute care hospital admission: an international key stakeholder informed consensus study. *BMC Med* 2021; 19(1):143
125. Tanios M, Nguyen M, Le Q, Park H, **Devlin JW**. Fentanyl- and midazolam-induced coma each influence days of mechanical ventilation and 28-day mortality: a post hoc analysis of a randomized controlled analgo-sedation trial. *Intensive Care Med* 2021; 47:805-806.
124. Ward D, Abasolom A, Aitken L, Balas MC, Brown DL, Burry L, Colantuoni E, Coursin D, **Devlin JW**, et al. Design of clinical trials evaluating sedation in critically ill adults requiring mechanical ventilation: recommendations from the sedation consortium meeting on endpoints and procedures for treatment, education, and research (SCEPTER III) meeting. *Crit Care Med* 2021;49:1684-1693
123. Rose L, Burry L, Agar M, Campbell NL, Clarke M, Lee J, Marshall JC, **Devlin JW**, et al. A core outcome set for research evaluating interventions to prevent and/or treat delirium in critically ill adults: an international consensus study (Del-CORs). *Crit Care Med* 2021; 49(9):1535-1546
122. Duprey MS, **Devlin JW**, van der Hoeven JG, et al. Association between incident delirium treatment with haloperidol and mortality in critically ill adults. *Crit Care Med* 2021; 49(8):1303-1311
121. Hamidi A, Roberts R, Weinhouse G, Szumita PM, Degrado JR, Dube KM, Kovacevic MP, Choi M, Sevinsky R, Duprey M, **Devlin JW**. Characterization of nocturnal neuroactive medication use and sleep documentation in critically ill adults. *Crit Care Explor* 2021; 3(3):e0367
120. Hughes C, Mailloux P, **Devlin JW**, et al. Dexmedetomidine vs. propofol for sedation in mechanically ventilated adults with sepsis. *New Engl J Med* 2021; 384(15):1424-1436.
119. Lewis K, Pitcaru J, Chaudhuri D; Basmaji J; Fan E; Møller M; **Devlin JW**, Al-Hazzani, W. Safety and efficacy of dexmedetomidine in acutely ill adults requiring non-invasive ventilation: a systematic review and meta-analysis of randomized trials. *CHEST* 2021; 159(6):2274-2288.
118. Andrews J, Louzon PR, Torres X, Pyles E, Ali MH, Du Y, **Devlin JW**. Impact of a pharmacist-led intensive care unit sleep improvement protocol on sleep duration and quality. *Ann Pharmacotherapy* 2021;55(7):863-869.
117. Duprey MS, **Devlin JW**, Briesacher BA, Trivison TG, Griffith JL, Inouye SK. Approaches to optimize medication data analysis in clinical cohort studies. *JAGS* 2020; 68(12):2921-2926
116. Smit L, Trogrlic Z, **Devlin JW**, et al. Efficacy of haloperidol to decrease the burden of Delirium In adult Critically ill patients (EuRIDICE): study protocol for a prospective randomised multi-center double-blind placebo-controlled clinical trial. *BMJ Open* 2020; 10(9):e03635
115. Briesacher BA, Koethe B, Olivieri-Mui B, Saczynski JS, Fick DM, **Devlin JW**, Marcantonio ER. Association of positive delirium screening with incident dementia in skilled nursing facilities. *JAGS* 2020; 68(12):2931-2936.
114. Duprey MS, **Devlin JW**, Skrobik Y. Association between subjective sleep quality and daily delirium occurrence in critically ill adults: A post-hoc evaluation of a randomized controlled trial. *BMJ Open Respir Res* 2020; 7(1):e000576
113. Wheeler J, Grilli R, Centofanti J, Martin J, Gelinac C, Szumita PM, **Devlin JW**, et al. Adjuvant analgesic use in the critically ill: a systematic review and meta-analysis. *Crit Care Explor* 2020; 2(7):e0157.
112. Honarmond K, Rafay H, Le J, Mohan, S, Rochweg B, **Devlin JW**, et al. A systematic review of risk factors for sleep disruption in critically ill adults. *Crit Care Med* 2020; 48(7):1066-1074.
111. Louzon P, Andrews J, Torres X, Pyles E, Ali M, Du Y, **Devlin JW**. Characterisation of ICU sleep by a commercially available activity tracker and its agreement with patient-perceived sleep quality. *BMJ Open Respir Res* 2020;7: e000572.
110. Duprey MS, van den Boogaard M, van der Hoeven JG, Pickkers P, Briesacher BA, Saczynski JS, Griffith JL, **Devlin JW**. Association between incident delirium and 28- and 90-day mortality in critically ill adults: a secondary analysis. *Crit Care* 2020;24(1):161.
109. Heesackers H, **Devlin JW**, Slooter AJC, van den Boogaard M. Association between delirium prediction scores and days spent with delirium. *J Crit Care.* 2020;58:6-9.
108. Trogrlić Z, van der Jagt M, Osse RJ, **Devlin JW**, et al. Pharmacogenomic response of low dose haloperidol in critically ill adults with delirium. *J Crit Care.* 2020 Mar 4;57:203-207.
107. Slooter AJC, Otte WM, **Devlin JW**, et al. Updated nomenclature of delirium and acute encephalopathy: statement of ten Societies. *Intensive Care Med.* 2020 May;46(5):1020-1022.
106. van den Boogaard M, Wassenaar A, van Haren F, Slooter AJC, Jorens JC, van der Jagt M, Simons KS, Egerod I, Burry L, Beishuizen A, Pickkers P, **Devlin JW**. Influence of sedation on delirium recognition in critically ill patients: A multinational cohort study. *Aust Crit Care* 2020 (ahead of press Feb 5)
105. Rose L, Agar M, Burry L, Campbell N, Clarke M, Lee M, Marshall J, Siddiqui N, Page V. Reporting of outcomes and measures in studies of interventions to prevent and/or treat delirium in the critically ill (Del-CORs group – Devlin JW et al.): systematic review. *Crit Care Med* 2020; 48(4): e316-e324.

104. Moreno JL, Duprey MS, Hayes BD, Brooks K, Khalil S, Wakeman SE, Roberts, RJ, Jacobson JS, **Devlin JW**. Agreement between self-reported psychoactive substance use and urine toxicology results for adults with opioid use disorder admitted to hospital. *Toxicology Comm* 2019; 3(1):94-101.
103. Burns KEA, Rizvi L, Cook DJ, Seely AJE, Rochweg B, Lamontagne F, **Devlin JW**, et al. Canadian Critical Care Trials Group. *Trials*. Frequency of Screening and SBT Technique Trial - North American Weaning Collaboration (FAST-NAWC): a protocol for a multicenter, factorial randomized trial. *Trials* 2019 Oct 11;20(1):587.
102. Wassenaar A, Schoonhoven L, **Devlin JW**, et al. External validation of two models to predict delirium in critically ill adults using either the Confusion Assessment Method-ICU or the Intensive Care Delirium Screening Checklist for delirium assessment. *Crit Care Med* 2019; 47(10):e835
101. Duprey MS, Al-Qadheeb NS, O'Donnell N, Hoffman KB, Weinstock J, Madias C, Dimbil M, **Devlin JW**. Serious cardiovascular adverse events reported with intravenous sedatives: a retrospective analysis of the medWatch adverse event reporting system. *Drugs Real World Outcomes*. 2019 Sep;6(3):141-149.
100. Dionne J, Sulum J, Bugalgos M, Atakoaka A, Duan E, Al-Hazzani W, **Devlin JW**, Duprey MS, et al. Diarrhoea: interventions, consequences and epidemiology in the intensive care unit (DICE-ICU): a protocol for a prospective multicenter cohort study. *BMJ Open* 2019; June 27;9(6):e028237.
99. Tanios M, Nguyen HM, Park H, Mehta S, Epstein SK, Yousseff F, Beltran A, Flores G, Sidhom R, Sehgal R, Leo J, **Devlin JW**. Analgesia-first sedation in critically ill adults: A U.S. pilot, randomized controlled trial. *J Crit Care* 2019 June 12; 53:107-113.
98. Levy I, Attias S, Gavrieli S, Oliven R, Neerland B, **Devlin JW**, et al. The study protocol of a randomized, controlled trial of acupuncture versus sham procedure versus standard care alone for the treatment of delirium in medically-ill older adults. *Maturitas* 2019;124:72-80.
97. Shafeeq H, Hammond DA, Swanson JM, Cheng L, **Devlin JW**. Publication of PGY-2 resident research projects practices and perceptions of recent graduates. *Am J Pharm Educ* 2019; 83(2):2615.
96. Briesacher BA, Mui BL, **Devlin JW**, Koethe B. Nursing homes underreport antipsychotic prescribing. *Aging Ment Health* 2019 Feb 6:1-5.
95. Moreno J, Duprey M, Wakeman S, Roberts R, **Devlin JW**. Predictors for 30-day and 90-day hospital readmission among patients with opioid use disorder. *J Addict Med* 2019; 13(4):306-313.
94. Hammond DA, Rech MA, Daley MJ, **Devlin JW**, et al. Perceptions regarding vasopressin use and practices in septic shock and cost containment strategies. *J Am Coll Clin Pharm* 2019; 2:257-267.
93. Lanspa MJ, Gong MN, Schoenfeld DA, et al. for the National Heart, Lung, and Blood Institute Prevention and Early Treatment of Acute Lung Injury (PETAL) Clinical Trials Network (**Devlin J**). Prospective assessment of the feasibility of a trial of low-tidal volume ventilation for patients with acute respiratory failure. *Ann Am Thorac Soc*. 2019 Mar;16(3):356-362.
92. Pun BT, Balas MC, Barnes-Daly MA, Thompson JL, Aldrich M, Barr J, Vryun D, Carson SS, **Devlin JW**, et al. Caring for critically ill patients with the ABCDEF bundle: results of the ICU Liberation Collaborative in over 15,000 adults. *Crit Care Med* 2019; 47(1):3-14.
91. **Devlin JW**, Skrobik Y, Rochweg B, et al. Methodological innovation in creating clinical practice guidelines: insights from the 2018 SCCM pain, agitation/sedation, delirium, immobility and sleep (disruption) guideline effort. *Crit Care Med* 2018; 46(9):1457-63.
90. Balas MC, Weinhouse G, Denehy L, Chanques G, Rochweg B, Misak CJ, Skrobik Y, **Devlin JW**, et al. Interpreting and implementing the 2018 pain, agitation/sedation, delirium, immobility, and sleep (disruption) (PADIS) clinical practice guidelines. *Crit Care Med* 2018; 46(9):1464-70.
89. **Devlin JW**, Skrobik Y, Gelinas C, et al. 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. *Crit Care* 2018; 46(9):e825-e873.
88. **Devlin JW**, Skrobik Y, Gelinas C, et al. Executive Summary: 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. *Crit Care Med* 2018; 46(6):1532-48.
87. Barnes MA, Pun BT, Harmon LA, Byrum DG, Kumar VK, **Devlin JW**, et al. Improving health care for critically ill patients using an evidence-based collaborative approach to ABCDEF bundle dissemination and implementation. *Worldviews Evid Based Nurs* 2018; 15(3): 206-12.
86. Wassenaar A, Schoonhoven L, **Devlin JW**, et al. Delirium prediction in the intensive care unit: comparison of two delirium prediction models. *Crit Care* 2018; 22(1):114
85. Swanson JM, Shafeeq H, Hammond DA, Cheng L, **Devlin JW**. Publication of PGY2 resident research projects: practices and perceptions of residency directors and research mentors. *Am J Health Syst Pharm* 2018; 75(6):384-39.
84. Skrobik Y, Duprey MS, Hill NS, **Devlin JW**. Low-dose nocturnal dexmedetomidine prevents ICU delirium: a randomized, placebo-controlled trial. *Am J Respir Crit Care Med* 2018; 197(9):1147-1156.

83. Hammond DA, Oyler DR, **Devlin JW** et al. Perceived motivating factors and barriers for the completion of postgraduate training among American pharmacy students prior to beginning advanced pharmacy practice experiences. *Am J Pharm Educ* 2017; 81(5):90.
82. Roberts, R., Al-Hammad, A., Crossley L., Anketell E., Wood, L., Schumaker, G., Garpestad, E., **Devlin, J.W.** A survey of critical care nurses' practices and perceptions surrounding early intravenous antibiotic initiation during septic shock. *Intensive Crit Care Nurs* 2017; 41:90-97.
81. Curtis N, Corapi J, Roberts R, **Devlin JW**. Rebranding of generic parenteral vasopressin: effect on clinician practices and perceptions. *Am J Health Syst Pharm* 2017 Feb 1;74(3):105-106.
80. Oliveri-Mui BL, **Devlin JW**, Ochoa A, Schenck D, Briesacher B. Perceptions vs. evidence: therapeutic substitutes for antipsychotics in patients with dementia in long term care. *Aging Ment Health*. 2017 Jan 12:[Epub ahead of print]
79. Dzierba AL, Roberts R, Muir J, Alhammad A, Schumaker G, Clark J, Ruthazer R, **Devlin JW**. (2016) Severe thrombocytopenia in adults with severe acute respiratory distress syndrome: Impact of extracorporeal membrane oxygenation use. *ASAIO J*. 2016 Nov/Dec;62(6):710-714.
78. Duprey MS, Al-Qadheeb N, Roberts R, Skrobik G, **Devlin JW**. (2016) The use of low-dose IV haloperidol is not associated with QTc prolongation: post-hoc analysis of a randomized, placebo-controlled trial. *Intensive Care Med* 2016 Nov;42(11):1818-1819.
77. 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. (2016) Variation in diurnal sedation in mechanically ventilated patients who are managed with a sedation protocol alone or a sedation protocol and daily interruption. *Crit Care*; 20(1):233.
76. Nigoghossian CD, Dzierba AL, Etheridge J, Roberts R, Muir J, Brodie D, Schumaker G, Bacchetta M, Ruthazer R, **Devlin JW**. (2016) Effect of extracorporeal membrane oxygenation use on sedative requirements in patients with severe acute respiratory distress syndrome. *Pharmacotherapy*;36(6):607-16.
75. Rose L, Burry L, Mallick R, Luk E, Cook D, Fergusson D, Dodek P, Burns K, Granton J, Ferguson N, **Devlin JW**, Steinburg M, Keenan S, Reynolds S, Tanios M, Fowler R, Jacka M, Olafson K, Skrobik Y, Mehta S. (2015) Prevalence, risk factors and outcomes associated with physical restraint use in mechanically ventilated adults *J Crit Care* (ahead of press September 25)
74. Al-Qadheeb, N.S., Skrobik, Y., Schumaker, G., Pacheco, M., Roberts, R., Ruthazer, R., & **Devlin, J.W.** (2016) Preventing ICU subsyndromal delirium conversion to delirium with low-dose IV haloperidol: a double-blind, placebo-controlled, pilot study. *Crit Care Med*, 44(3):583-91.
73. Wolters AE, Veldhuijzen DS, Zaal IJ, Peelen LM, van Dijk D, **Devlin JW**, Slooter AJ (2015) Systemic corticosteroids and transition to delirium in critically ill patients. *Crit Care Med*.43(12):e585-8.
72. Zaal, I.J., **Devlin, J.W.**, Hazelbag, M., Klein-Klouwenberg, P., van der Kooi, A.W., Ong, D.S.Y., Cremer, O.L., Groenwold, R.H., & Slooter, A.J.C. (2015) Benzodiazepine-associated delirium in critically ill adults. *Intensive Care Med*; Dec 41(12): 2130-7.
71. L Burry, D Cook, M Herridge, M Steinberg, **JW Devlin**, K Olafson, D Fergusson, R Mallick, M Meade, J Granton, N Ferguson, P Dodek, M Tanios, R Fowler, K Burns, M Jacka, Y Skrobik, S Reynolds, S Keenan, and, S Mehta, for the SLEAP Investigators and the Canadian Critical Care Trials Group. (2015) Recall of ICU stay in mechanically ventilated patients managed with a sedation protocol or a sedation protocol with daily interruption. *Crit Care Med*; 43(10):2180-90.
70. Hazelbag CW, Zaal IJ, **Devlin, JW**, Gatto NW, Hoes AW, Slooter AJC, Groenwold, RH. (2015) An application of inverse probability weighting estimation of marginal structural models of a continuous exposure. *Epidemiology*; 26(5): e52-3.
69. Wolters, A.E., Zaal, I.J., Veldhuijzen, D.S., Cremer, O.L., **Devlin, J.W.**, van Dijk, D., Slooter A.J.C. (2015) Anticholinergic drugs and the daily transition to delirium in critically ill patients: a prospective cohort study. *Crit Care Med*;43(9):1846-52.
68. Rose L, Burry, L., Steinberg M., Rose, L. Kim, S., **Devlin, J.W.**, Ashley, B.J., Smith, O. Poretta K. Lee Y, Harvey J., Brown, M., Cheema, P., Wong, Z., & Mehta, S. for the SLEAP Investigators and Canadian Critical Care Trials Group. [2015] Clinicians' perspectives on protocols designed to minimize sedation. *J Crit Care* 30 (2); 348-52
67. 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. (2015) Prevalence, risk factors and outcomes of delirium in mechanically ventilated adults. *Crit Care Med* 43(3); 557-66.
66. Zaal I.,J., **Devlin, J.W.**, Peelen, L.M., & Slooter, A.J.C. (2015) A systematic review of risk factors for delirium in the intensive care unit. *Crit Care Med* 41(1): 40-47.
64. Bioc, J., Magee, C., Cucchi, J., Fraser, G., Dasta, J., Edwards R., & **Devlin J.W.** (2014) Cost-effectiveness of benzodiazepine vs. non-benzodiazepine sedation during mechanical ventilation. *J Crit Care* 29(5): 753-7.
63. Sauër, A.M.C, Slooter, A.J.C, Veldhuijzen, D.S., van Eijk, M.M.J., **Devlin, J.W.** & van Dijk, D. (2014) Intraoperative

- dexamethasone and delirium after cardiac surgery: a randomized clinical trial. *Anesthesia Analgesia* (ahead of press May 7).
62. **Devlin, J.W.**, Al-Qadheeb, N.S., Chi, A., Roberts, R., Qawi, I., Garpestad, E., & Hill, N.S. (2014) Efficacy and safety of dexmedetomidine during non-invasive ventilation for patients with acute respiratory failure: a randomized, double-blind, placebo-controlled, pilot study. *CHEST*; 145 (6):1204-12.
61. Al-Qadheeb, N., Balk, E., Fraser, G., Skrobik, Y., Riker R., Kress, J.P., Whitehead, S., & **Devlin, J.W.** (2014) Randomized ICU trials do not demonstrate an association between interventions that reduce delirium duration and short-term mortality: A systematic review and meta-analysis. *Crit Care Med*; 42(6):1442-54.
60. Fraser, G.L., **Devlin, J.W.**, Worby, C.P., Alhazzani, W., Barr, J., Dasta, J.F., Kress, J.P., Davidson, D.E. & Spencer, F.A. (2013) Benzodiazepine versus non-benzodiazepine-based sedation for mechanically ventilated, critically ill adults: a systematic review and meta-analysis of randomized trials. *Crit Care Med*; 41:S30-S38.
59. Al-Qadheeb, N.S., Hoffmeister, J., Roberts, R., Shanahan, K., Garpestad, E., & **Devlin, J.W.** (2013) Perceptions of nurses and physicians of their communication at night about intensive care patients' pain, agitation and delirium. *American Journal of Critical Care*; 22: e49-e61.
58. Al-Qadheeb, N.S., O'Connor, H., White, A., & **Devlin, J.W.** (2013) Agitation in patients requiring prolonged mechanical ventilation at a long term acute care hospital: Risk factors, outcomes and therapy. *Journal of Intensive Care Medicine* 2014; 29 (4):218-24.
57. **Devlin, J.W.**, Fraser, G.L., Ely, E.W., Kress, J.P., Skrobik, Y., & Dasta, J.F. (2013) Pharmacological management of sedation and delirium in mechanically ventilated ICU patients. *Semin Respir Crit Care Med*;34(2):201-15
56. Pun, B., & **Devlin, J.W.** (2013) Delirium assessment tools in critical care. *Semin Respir Crit Care Med*; 34 (2):179-88.
55. Fongemie, J., Al-Qadheeb N.S., Estes, N.A., Roberts, R., Tongesketi, T., Ruthazer, R., & **Devlin JW.** (2013) Agreement between ICU clinicians and electrophysiology cardiologists for the initiation of a QTc-interval prolonging medication in critically ill patients with potential risk factors for Torsade de Pointes: a comparative, case-based evaluation. *Pharmacotherapy*; 33(6):589-97.
54. Torbic, H., Papadopoulos, S., Manjourides, J., & **Devlin, J.W.** (2013) Impact of a protocol advocating dexmedetomidine over propofol sedation after robotic-assisted, direct coronary artery bypass surgery on duration of mechanical ventilation and patient safety. *Annals of Pharmacotherapy*; 47(4):441-6.
53. Al-Qadheeb N.S., O'Connor, H., White, A., Neidhardt, N., Albizati, M., Joseph, B., Roberts, R., Ruthazer, R., & **Devlin, J.W.** (2013) Antipsychotic use and outcomes in patients requiring prolonged mechanical ventilation at a long term acute care hospital. *Annals of Pharmacotherapy*; 47(2):181-8.
52. Barr, J., Fraser, G.L., Puntillo, K., Ely, E.W., Gelineas, C., Dasta, J.F., Davidson, J.E., **Devlin, J.W.**, Kress, J.P., Joffe, A., Coursin, D.B., Herr, D., Tung, A., Robinson, B.R.H., Fontaine, D., Ramsay, M., Riker, R., Sessler, C.N., Pun, B., Skrobik, Y., & Jaeschke, R. (2013) Clinical practice guidelines for the management of pain, agitation and delirium in adult ICU patients. *Critical Care Medicine*; 41: 263-306.
51. Barr, J., Fraser, G.L., Puntillo, K., Ely, E.W., Gelineas, C., Dasta, J.F., Davidson, J.E., **Devlin, J.W.**, Kress, J.P., Joffe, A., Coursin, D.B., Herr, D., Tung, A., Robinson, B.R.H., Fontaine, D., Ramsay, M., Riker, R., Sessler, C.N., Pun, B., Skrobik, Y., & Jaeschke, R. (2013) Clinical practice guidelines for the management of pain, agitation and delirium in adult ICU patients: Executive summary. *American Journal of Health-System Pharmacy*; 70:53-58.
50. Bhat S, Roberts R, & **Devlin JW.** (2012) Posted versus actual drug shortages. *American Journal Health-System Pharmacy*; 15; 69(16):1363-4.
49. Mehta, S., Burry L., Cook, D., Fergusson, D., Steinburg, M., Granton, J., Herridge, M., Ferguson, N., **Devlin, J.W.**, Tanios, M., Dodek, P., Fowler, R., Burns, K., Jacka, M., Olafson, K., Skrobik, Y., Hebert, P., Sabri, E., & Mead, M.A. for the Canadian Critical Care Trials Group. A randomized trial of daily sedative interruption in mechanically ventilated critically ill patients cared for with a sedation protocol. *JAMA* Nov 21;308(19):1985-92.
48. Al-Qadheeb, N.S., Roberts, R., Griffin, R., Garpestad, E., Ruthazer, R., & **Devlin, J.W.** (2012) Impact of enteral methadone on the ability to wean continuously-infused opioids in critically ill, mechanically ventilated adults: A case-control study. *Annals of Pharmacotherapy*; Sept 46(9): 1160-6.
47. Kher, S., Roberts, R.J., Garpestad, E., Howard, H., Kunkel, C., Didomenico, D., Ferguson, A., & **Devlin, J.W.** (2012) Development, implementation and evaluation of an institutional daily awakening and spontaneous breathing trial protocol: a process improvement project. *Journal Intensive Care Medicine* (ahead of press May 14)
46. Gesin, G., Lin, A., Russell, B., Norton, H., Evans, S., & **Devlin, J.W.** (2012). Impact of a delirium screening tool, with or without a multifaceted education program supporting its use, on nurse knowledge and ability to correctly evaluate delirium in a surgical-trauma intensive care unit. *American Journal Critical Care* Jan;21(1):e1-e11.80
45. Roberts, R., Chi, A., Grover, A., Newman, M., Bhat, S., Benotti, S., Garpestad, E., Nasraway, S., & **Devlin, J. W.** (2012) Impact of a national propofol shortage on duration of mechanical ventilation at an academic medical center. *Critical Care Medicine* Feb;40(2):406-11

44. **Devlin, J.W.**, Skrobik, Y., Hinderleider, E., Roberts, R., Fong, J.J., Riker, R., Ruthazer, R., Hill, N. S., & Garpestad, E. (2011). Impact of quetiapine on the resolution of individual delirium symptoms in critically ill patients with delirium: a double-blind, randomized, placebo-controlled pilot study. *Critical Care* Sep17;15(5):R215
43. **Devlin, J.W.**, Bhat, S., Roberts, R.J., & Skrobik, Y. (2011). 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. *Annals of Pharmacotherapy* 45: 1217-29
42. **Devlin, J.W.**, Roberts, R., Fong, J.J., Skrobik, Y., Riker R.R., Hill, N.S., & Garpestad, E. (2010) Efficacy and safety of quetiapine for delirium in the ICU: A randomized, double-blind, placebo- controlled pilot study. *Critical Care Medicine*. Feb;38(2):419-27
41. Szczech, L.A., Granger, C.B., Dasta, J.F., Amin, A, Peacock W.F., **Devlin J.W.**, Weir, M.R., Wyman, A., Katz, J.N., & Varon J., for the STAT Investigators. (2010). Mild acute kidney injury is associated with worse outcomes in acute hypertension. *Circulation* 121(20):2183-91
40. Roberts RJ, de Wit M, Epstein SK, Didomenico D, & **Devlin J.W.** (2010). Predictors for daily interruption of sedation therapy by nurses: a prospective, multicenter study. *Journal of Critical Care*; 25(4):660.e1-7
- Devlin, J.W.**, Dasta, J.F., Kleinschidt, K., Roberts, R.J., Lapointe, M., Varon, J., Anderson, F.A.,
39. Wyman, A., & Granger, C.B. Studying the Treatment of Acute Hypertension (STAT) Investigators. (2010). Acute pharmacological therapy and blood pressure control in the management of hospitalized patients with severe hypertension. *Pharmacotherapy* 30(11):1087-96
38. Gore, J.M., Peterson, E., Amin, A., Anderson, F.A. Jr, Dasta, J.F., Levy, P.D., O'Neil, B.J., Sung, G.Y., Varon, J., Wyman, A., & Granger, C.B. for the **STAT Investigators** (2010). Predictors of 90-day readmission among patients with acute severe hypertension. The cross-sectional observational Studying the Treatment of Acute hyperTension (STAT) study. *American Heart Journal*. Sep;160(3):521-527.e1
37. **Devlin, J.W.**, Mallow-Corbett, S., Riker, R.R. (2010) Adverse drug events associated with the use of analgesics, sedatives and antipsychotics in the intensive care unit. *Critical Care Medicine* Jun;38(6 Suppl):S231-43
36. Tanios, M.A., Epstein S.K., de Wit, M., & **Devlin, J.W.** (2009). Perceived barriers to the use of sedation protocols and daily sedation interruption. A multidisciplinary survey. *Journal of Critical Care* 24;66-73
- Katz, J.N, Fore, J.M., Amin, A., Anderson, A., Dasta J.F., Ferguson, J.J., Kleinschmidt, K., Mayer, S. A., Multz, M.A.,
35. Peacock, W.F., Peterson, E for the STAT Investigators. *Practice patterns, outcomes and end-organ dysfunction for patients with acute severe hypertension: The Studying the Treatment of Acute Hypertension (STAT) Registry*. *American Heart Journal*; 158:599-606.
34. Roberts, R. Barletta, J., Fong, J., Schumaker, G., Gerlach, T., Voils, S., Kuper, P., Szumita, P., Anger, K., Papadopoulos, S., Grgurich, P., Kendall, E., Xamplas, R., Arpino, P., Ruthazer, R., & **Devlin, J.W.** (2009). Incidence of the propofol infusion syndrome in critically ill adults. *Critical Care*. Oct 29;13(5):R169
33. **Devlin, J.W.**, Fong J., Howard, E., Skrobik, Y., McCoy N., Yasuda C., & Marshall, J. (2008). Assessment of delirium in the intensive care unit: Nursing practices and perceptions. *American Journal of Critical Care* 17:555-65
32. Fong, J., Sylvia, L., Ruthazer, R., Schumaker, G., KComt, M., & **Devlin, J.W.**, (2008). Predictors of mortality in patients with propofol infusion syndrome. *Critical Care Medicine* 36:2281-7.
31. Lancaster, J., Lawrence, K., Fong, J., Doron, S., Garpestad, E., Nasraway S, & **Devlin, J.W.** (2008). Impact of an institutional hospital-acquired pneumonia protocol on the appropriateness of antibiotic therapy and patient outcomes. *Pharmacotherapy*. 28:852-62.
30. Olsen, K.M., **Devlin, J.W.** (2008). Comparison of oral and intravenous lansoprazole pharmacodynamic response in the critically ill. *Alimentary Pharmacology and Therapeutics*, 28:326-333
29. Metz, D.C., **Devlin, J.W.**, Vakily, M., Atkinson, S., & Lloyd, S. (2008). Administering lansoprazole 30 mg as a 2-minute intravenous injection provides greater immediate gastric acid suppression than a 30-minute infusion *Pharmacotherapy*,28:301-7
28. **Devlin, J.W.**, Marquis, F., Riker, R.R., Robbins, T., Garpestad, E., Fong, J.J., Didomenico, D. & Skrobik, Y.S. (2008). Combined didactic and scenario-based education improves the ability of ICU staff to recognize delirium at the bedside. *Critical Care*,12:R19
27. **Devlin, J.W.**, Fong, J.J., Schumaker, G., Ruthazer, R., O'Connor, H. & Garpestad, E. (2007). Use of a validated delirium assessment tool improves the ability of physicians to recognize delirium in medical intensive care unit (MICU) patients. *Critical Care Medicine*, 35; 2721-4
26. Van Amburgh, J., **Devlin, J.W.**, Kirwin, J., & Qualters, D. (2007) The active learning inventory: A tool to measure active learning in the classroom. *American Journal of Pharmacy Education*,71:85-93
25. Fong, J.J., Kanji, S., Dasta, J., Garpestad, E., & **Devlin, J.W.** (2007). Propofol is associated with a shorter duration of mechanical ventilation than scheduled intermittent lorazepam: A database analysis using Project IMPACT. *Annals of Pharmacotherapy*, 41:1986-1991

24. **Devlin, J.W.**, Nava, S., Fong, J.J., & Hill, N.S. (2007). Survey of sedation practices during noninvasive positive-pressure ventilation to treat acute respiratory failure. *Critical Care Medicine*,35:2298-2302
23. Fong, J.J., Cecere, K., Klee, M., Garpestad, E., Unterborn, J., & **Devlin, J.W.** (2007). Factors influencing variability in compliance rates and clinical outcomes among three different severe sepsis bundles. *Annals of Pharmacotherapy*, 41,929-36
22. **Devlin, J.W.**, Bakshi, A., Bungay, K.M., & Olsen, K.M. (2006) An *in vitro* comparison of different providers to deliver four proton pump inhibitor (PPI) products through a feeding tube. *Aliment Pharmacology and Therapeutics*, 24,1603-1613
21. Kane-Gill, S., & **Devlin, J.W.** (2006). Adverse drug event reporting in the intensive care unit: A survey of current practices. *Annals of Pharmacotherapy*,40,1267-1273
20. MacLaren, R., **Devlin, J.W.**, Martin, S.J., Dasta, J.F., Rudis, M.I., & Bond, C.A. (2006). A national survey characterizing the practice of critical care pharmacists. *Annals of Pharmacotherapy*, 40, 612-618
19. **Devlin, J.W.**, Lau, A.K., & Tanios, M. (2005). Propofol-associated hypertriglyceridemia and pancreatitis in the ICU: An incidence and risk factor analysis. *Pharmacotherapy*, 25,1348-1352
18. Ahrens, C.L., Barletta, J.F., Kanji, S., Tyburski, J.G., Wilson, R.F., Janisse, J.J., & **Devlin, J.W.** (2005). The effect of low-calorie parenteral nutrition on the incidence and severity of hyperglycemia in surgical patients: A randomized, controlled trial. *Critical Care Medicine*, 33, 2507-2512
17. **Devlin, J.W.**, Seta M.L., Kanji, S., & Somerville, A.L. (2004). Fenoldopam versus nitroprusside for the treatment of hypertensive emergency. *Annals of Pharmacotherapy*, 38, 755-759
16. Diebel, L.N., Liberati, D.M., Baylor, A.E., Brown, W.J., & **Devlin, J.W.** (2004). Immunoglobulin A protease is a virulence factor for gram-negative pneumonia. *Surgery*, 136, 937-943
15. Betancourt, M., McKinnon, P.S., Massanari, R.M., Kanji, S., Bach, D., & **Devlin, J.W.** (2003). An evaluation of the cost effectiveness of drotrecogin alfa (activated) relative to the number of organ system failures. *PharmacoEconomics*, 21(18),1331-1340
14. Kanji, S., McKinnon, P.S., Barletta, J.F., Kruse, J.A., & **Devlin, J.W.**(2003). Bioavailability of gatifloxacin by nasogastric administration with and without concomitant enteral feeding in critically ill patients. *Critical Care Medicine*, 31,1347-1352
13. Maccioli, G.A., Dorman, T., Brown, B.R., Mazuski, J.E., McLean, B.A., Kuszaj, J.M., Rosenbaum, S.H., Frankel, L.R., & **Devlin, J.W.** (2003). Clinical practice guidelines for the maintenance of patient physical safety in the intensive care unit: Use of restraining therapies – American College of Critical Care Medicine Task Force 2001-2002. *Critical Care Medicine*,31, 2665-2676
12. Kanji, S., Barletta, J.F., Janisse, J., Kruse, J.A., & **Devlin, J.W.** (2002). Tachyphylaxis associated with continuous cisatracurium versus pancuronium therapy. *Pharmacotherapy*, 22, 823-830
- Delgado, G., Barletta J.F., Kanji, S., Tyburski, J.G., Wilson, R.F., & **Devlin, J.W.** (2002) Characteristics of prophylactic antibiotic strategies following penetrating abdominal trauma at a level one urban trauma center: A comparison to the EAST Guidelines. *Journal of Trauma*, 53, 673-678
11. **Devlin, J.W.**, Tyburski, J.G., & Moed, B. (2001). Implementation and evaluation of enoxaparin deep vein thrombosis prophylaxis guidelines after major trauma. *Pharmacotherapy*, 21,740-747
10. McKinnon, P.S., Goff, D.A., Kern, J.W., **Devlin, J.W.**, Barletta, J.F., Sierawski, S.J., Mosenthal, A.C., Gore, P., Ambegaonkar, A.J., & Lubowski, T.J. (2001) Temporal assessment of candida risk factors in the surgical intensive care unit. *Archives of Surgery*, 136, 1401-1409
9. Tyburski, J.G., Dente, C., Wilson, R.F., Steffes, C., **Devlin, J.W.**, Carlin, A., & Shanti, C. (2001). Differences in arterial and mixed venous IL-6 levels: The lungs as a source of cytokine storm in sepsis. *Surgery*, 130, 748-752
8. **Devlin, J.W.**, Boleski, G., Mlynarek, M., Nerenz, D., Peterson, E., Horst, H.M., & Zarowitz, B.J. (1999). The Motor Activity Assessment Scale: A valid and reliable sedation scale for use in adult, mechanically ventilated, surgical ICU patients. *Critical Care Medicine*, 27, 1271-1275
7. Mazur, J.E., **Devlin, J.W.**, Peters, M.J., Jankowski, M., Iannuzzi, M.C., & Zarowitz, B.J. (1999) Single versus multiple doses of acetazolamide for metabolic alkalosis in critically ill medical patients: A randomized, double-blind trial. *Critical Care Medicine*, 27, 1257-1261
6. **Devlin, J.W.**, Claire, K.S., Dulchavsky, S.A., &Tyburski, J.G. (1999). Impact of trauma stress ulcer prophylaxis guidelines on drug cost and incidence of major gastrointestinal bleeding. *Pharmacotherapy*, 19, 452-460
5. **Devlin, J.W.**, Pettita, A., Shepard, A., & Obeid, F.N. (1998). Cost-effectiveness of enoxaparin versus low-dose heparin as prophylaxis against venous thrombosis after major trauma. *Pharmacotherapy*,18, 1335-1342
4. **Devlin, J.W.**, Peters, M., Ulep, S., Ben-Menachem, T., Fogel, R., & Zarowitz, B.J. (1998). Stress ulcer prophylaxis in medical ICU patients: Annual utilization in relation to the incidence of endoscopically-proven stress-related gastritis. *Annals of Pharmacotherapy*, 32, 869-874

3. Makarechian, N., Agro, K.A., **Devlin, J.W.**, Trepanier, E.R., Einarson, T., & Koren, G. (1998). Association between moderate alcohol consumption during pregnancy and spontaneous abortion, stillbirth, and premature birth: A meta-analysis. *Canadian Journal of Clinical Pharmacology*, 5(3),169-176
2. **Devlin, J.W.**, Holbrook, A.M., & Fuller, H.D. (1997). The effect of ICU sedation guidelines and pharmacist interventions on clinical outcomes and drug cost. *Annals of Pharmacotherapy*,31,689-695#
1. **Devlin, J.W.**, Bayliff, C.D., & Bellamy, N. (1992). Observations and effects of educational consults on allopurinol prescribing. *Canadian Journal of Hospital Pharmacy*, 45, 21-27.

Reviews, Editorials and Letters

87. Weinhouse GL, Kimchi EY, Watson PL, **Devlin JW**. Sleep assessment in critically ill adults: established methods and emerging strategies. *Crit Care Explor* 2022 (in press)
86. Duprey MS, **Devlin JW**, Van den Boogaard M. Reply to: Concerns with association between incident delirium treatment with haloperidol and mortality in critically ill adults. *Crit Care Med* 2022 (in press)
85. Peterson LK, **Devlin JW**. Vasopressin: the impact of predatory patents on a captive ICU marketplace. *Crit Care Med* 2022 (in press).
84. Louzon P, Heavner M, Herod K, Wu TT, **Devlin JW**. Sleep improvement bundle development, implementation, and evaluation in critically ill adults: the roles for pharmacists. *Ann Pharm* 2022 (ahead of press Oct 6 2021).
83. Train SE, Dieffenbach PB, Massaro AF, **Devlin JW**. Sedation, neuromuscular blockade, and mortality in ARDS: important questions remain. *Crit Care Med* 2022; 50:e89-e90.
82. **Devlin JW**, Seth B, Train SE, Needham DM. Maintaining light sedation is important: next steps for research. *Thorax* 2021;76;1069-1070
81. Duprey M, Slooter AJC, **Devlin JW**. Response letter to: Opioids for sedation: has the pendulum swung too far? *Am J Resp Crit Care Med* 2021; 204:612
80. **Devlin JW**, Needham DM. Long-term outcomes after delirium in the ICU: addressing gaps in our knowledge. *Am J Resp Crit Care Med* 2021; 204(4):383-385.
79. Newsome AS, Chase AM, Smith SE, Brothers T, Al-Mamun, Murray B, Rowe S, Buckley MS, **Devlin JW**. Optimization of critical care pharmacy clinical services: a gap analysis approach. *Am J Health System Pharmacy* 2021;78(22):2077-2085.
78. **Devlin JW**, Panhardipande P. Do our sedation practices contribute to increased mortality in Coronavirus Disease 2019-related Acute Respiratory Distress Syndrome? *Crit Care Med* 2021;49(9):1579-1582
77. Wu TT, Lupu KE, Dube KM, **Devlin JW**. You give me fever: is dexmedetomidine (or another medication) the cause? *Crit Care Med* 2021; 49(7): 1205-1207.
76. Mikkelsen ME, **Devlin JW**. The A2F Bundle: quantity and quality matter. *Crit Care Med* 2021; 49(2):380-382.
75. Chanques G, Constantin JM, **Devlin JW**, et al. Analgesia and sedation in patients with ARDS. *Intensive Care Med* 2020; 46(12):2342-2356.
74. Buckley LF, Wohlford GF, Ting C, Alahmed A, van Tassell B, Abbate A, **Devlin JW**, Libby P. Potential for anti-cytokine therapies in severe coronavirus disease-2019. *Crit Care Explorations* 2020; 2(8):e0178
73. O'Neal HR, Lin JC, **Devlin JW**, Ely EW. Covid-19: Harnessing healthy fear via knowledge, attitudes and behavior. *Crit Care Explorations* 2020; 2(6):e0149
72. **Devlin JW**, O'Neil HR, Thomas C, et al. Strategies to optimize ICU Liberation (A to F) Bundle performance in critically ill adults with COVID-19. *Crit Care Explor* 2020; 2(6); e0149
71. Stollings J, **Devlin JW**, Barr J. The Authors reply. *Crit Care Med* 2020; 48(7):1066-1074.
70. Khachaturian AS, Hayden KM, **Devlin JW et al**. International drive to illuminate delirium: A developing public health blueprint for action. *Alzheimers Dement*. 2020;16(5):711-725.
69. Oh E, et al for the NIDUS Working Group. A roadmap to advance delirium Research: Recommendations from the NIDUS Scientific Think Tank. *Alzheimers Dementia* 2020 (in press).
68. Stollings JL, **Devlin JW**, Lin JC, Pun BT, Byrum D, Barr J. Best practices for conducting interprofessional team rounds to facilitate performance of the ICU Liberation (ABCDEF) bundle. *Crit Care Med* (ahead of press Dec 19 2019)
67. Pisani MA, **Devlin JW**, Skrobik Y., Pain and delirium in critical illness: an exploration of key 2018 SCCM PADIS guideline evidence gaps. *Sem Respir Crit Care Med* 2019; 40(5):604-613.
66. McCormack J, Brownlee S, Garber N, **Devlin JW**. The endurance of medication overload: rethinking the medication review process. *J Am Coll Clin Pharm* 2019 (in press).
65. MacLaren R, **Devlin JW**. The bedside critical care pharmacist: a mandatory ICU team member essential for patient care. *Crit Care Med* 2019; 47(9):12276-8.

64. Balas MC, Pun BT, Pasero C, Engel HJ, Perme C, Esbrook CL, Kelly T, Hargett KD, Posa PJ, Barr J, **Devlin JW**, et al. Common challenges to effective ABCDEF bundle implementation: the intensive care unit liberation campaign experience. *Crit Care Nurse* 2019; 39(1); 46-60.
63. Stollings JL, **Devlin JW**, Pun BT et al. Implementing the ABCDEF Bundle: Top eight questions asked during the intensive care unit liberation collaborative. *Crit Care Nurse* 2019;39;36-45.
62. Skrobik Y, **Devlin JW**. Reply to Thille et al: Are sleep alterations the cause of delirium? *Am J Resp Crit Care Med* 2018;198(5):693-4.
61. **Devlin JW**, Pandhardipande, PP. Light sedation is the goal: Making the evidence heavier. *Crit Care Med* 2018; 46(6):1003-4..
60. **Devlin JW**, MacKenzie C. Expanding the reach of critical care pharmacists globally. *Crit Care Med* 2018; 46; 328-330.
59. Duprey, MS, Sara A. Zekery-Saad, **Devlin, JW**. The evidence clash between statins and delirium: should they stay, should they go, or should they be started? *Crit Care Med* 2017; 45(9):1574-1576.
58. Skrobik Y, **Devlin J**. Trials of statins in delirium-stymied by complex methods? *Lancet Respir Med*. 2017; 5(9):673-674.
57. Pandharipande PP, Ely EW, Arora RC, Balas MC, Boustani MA, La Calle GH, Cunningham C, **Devlin JW** et al. The intensive care delirium research agenda: a multinational, interprofessional perspective. *Intensive Care Med*. 2017; 43(9):1329-1339.
56. Garpestad E, **Devlin JW**. Polypharmacy and delirium in critically ill older adults: recognition and prevention. *Clin Geriatr Med*. 2017;33(2):189-203.
55. **Devlin JW**, Smithberger P, Kane JM, Fraser GL, Skrobik Y. (2016) Intended and unintended consequences of constraining clinician prescribing: the case of antipsychotics. *Crit Care Med* 2016 Oct;44(10):1805-7.
54. **Devlin JW**. Skrobik Y. (2016) The evidence to use antipsychotics to prevent or treat delirium remains sparse. *Crit Care Med*. 2016 Nov;44(11):e1151.
53. **Devlin JW**, Peelen LM, Slooter A (2016) Benzodiazepine-associated delirium: further considerations. *Intensive Care Med*. 2016 Sep;42(9):1517-8.
52. **Devlin JW**, Weinhouse GL. Earplugs, sleep improvement and delirium: a noisy relationship. (2016) *Critical Care Med* May;44(5):1022-3.
51. **Devlin JW**. (2016) Quetiapine for ICU delirium: the evidence remains weak *Pharmacotherapy*;36(2):e12-3.
50. Balas MC, **Devlin JW**, Verceles, AC Morris PE, Ely EW. (2016) Adapting the ABCDEF bundle to meet the needs of chronically critically ill patients who require prolonged mechanical ventilation: historical perspectives and practical implications. *Sem Respir Crit Care Med* Feb;37(1):119-35.
49. Al-Hammad A, Roberts R, Schumaker G, **Devlin, J.W.** (2015) Antibiotic initiation in severe sepsis: does sequence impact outcome? *Crit Care Med* 43(3):e102.
48. Zaal I, Slooter A, **Devlin JW**. (2015) Response to: Response to: Corticosteroids and transition to delirium in acute lung injury: multinomial logistic regression and analysis accounting for multiple states. *Crit Care Med* 41(1): e24-25.
47. **Devlin, J.W.**, Zaal I, & Slooter AJC. (2014) Clarifying the confusion surrounding drug-associated delirium in the ICU.(2014) *Crit Care Med* 42(6); 1565-6.
46. **Devlin, J.W.**, Pohlman A. (2014) Everybody, everyday: An "ABCDE" culture is feasible in your ICU. *Crit Care Med*;42(5):1280-1.
45. **Devlin, J.W.**, Fraser, G.F., Joffe, A., Riker R.R. & Skrobik Y (2013). The accurate recognition of delirium in the ICU: more new clothes for the emperor. *Intensive Care Med*; 39(12):2196-9.
44. **Devlin, J.W.**, Fraser, G.L., Ely, E.W., Kress, J.P., Skrobik, Y., & Dasta, J.F. (2013) Pharmacological management of sedation and delirium in mechanically ventilated ICU patients. *Sem Resp Crit Care Med*;34(2):201-15
- Pun, B., & **Devlin, J.W.** (2013) Delirium assessment tools in critical care. *Sem Resp Crit Care Med*; 34 (2):179-88.
43. **Devlin, J.W.**, Brummel, N., & Al-Qadheeb, N.S. (2012) Optimizing the recognition of delirium in the critically ill. *Best Practices and Research in Clinical Anaesthesiology*; 26(3):385-93.
42. **Devlin, J.W.**, Alqadheeb, N.S., & Skrobik, Y. (2012) Pharmacologic prevention and treatment of delirium in critically ill and non-critically ill hospitalized patients: a review of data from prospective, randomized studies. *Best Practices and Research in Clinical Anaesthesiology*; 26(3); 289-309.
41. **Devlin, J.W.**, Al-Qadheeb, N.S., & Riker R. R. (2012) Sedation, nighttime, icebergs, and the titanic. *Critical Care Medicine* Oct; 40(10):2905-6.
40. Gesin, G., & **Devlin, J.W.** (2012) Response: Delirium diagnosis: what you do with the information matters most. *American Journal Critical Care* May; 21(3):154-5.
39. **Devlin, J.W.**, & Skrobik, Y. (2012) The Kynurenine pathway: a metabolinomic pathway for ICU delirium? *Critical Care Medicine* 40(3):1001-2
38. **Devlin, J.W.**, & Al-Qadheeb, N.S. (2012). An ACE in the hole for evaluating cognition in the ICU? *Critical Care Medicine* Jan;40(1):324-6

37. **Devlin, J.W.**, & Roberts, R.J.(2011). Pharmacology of commonly used analgesics and sedatives in the ICU: benzodiazepines, propofol and opioids. *Anesthesiology Clinics* Dec;29(4):567-8
36. **Devlin JW**, & Skrobik Y. (2011) Antipsychotics for the prevention and treatment of delirium in the ICU: What is their role? *Harvard Review of Psychiatry* 19:1-9
35. **Devlin, J.W.**, Garpestad, E., & Hill, N.S.(2010) Neuromuscular blockers in acute respiratory distress syndrome. *New England Journal of Medicine*. Dec 23;363(26):2562
34. **Devlin, J.W.**, Mallow-Corbett, S., Riker, R.R. (2010) Adverse drug events associated with the use of analgesics, sedatives and antipsychotics in the intensive care unit. *Critical Care Medicine* Jun;38(6 Suppl):S231-43
33. Skrobik, Y., & **Devlin, J.W.** (2010) The Intensive Care Delirium Screening Checklist has many potential benefits over the Nursing Delirium Screening Scale. *Critical Care Medicine*.38:1610-1
32. Fong, J.J., & **Devlin, J.W.**, (2009) Can post-operative delirium be prevented pharmacologically? *Critical Care Medicine* 37:1825-6
31. **Devlin, J.W.**, & Roberts R. (2009) Pharmacology of commonly used sedatives and analgesics in the ICU. *Critical Care Clinics* 25: 431-49
30. Erstad, B.L., Brophy, G.M., Martin, S.M., Haas, C.E., **Devlin, J.W.**, Welage, L.S., Dager, W. (2009) Articles and guidelines relative to intensive care unit pharmacology: a 2009 update. *Pharmacotherapy*; 29(10):1228-69
29. **Devlin, J.W.** (2008) The pharmacology of oversedation in mechanically ventilated adults. *Current Opinions in Critical Care* 14:403-7
28. De Wit, M., & **Devlin, J.W.** (2008). Should sedation be standardized in the ICU? *Critical Care Medicine*, 36:1649-51
27. Roberts, R., Welch, S., & **Devlin, J.W.** (2008) Corticosteroids for the prevention of post-extubation laryngeal edema in adults. *Annals of Pharmacotherapy*, 42:686-91
26. Barletta, J.F., **Devlin, J.W.** (2008). Sedation with dexmedetomidine vs lorazepam in mechanically ventilated patients. *Journal of the American Medical Association*, 299:1541
25. **Devlin, J.W.**, Nasraway, S.A. (2008). Reversing oversedation in the ICU: The role of pharmacists in energizing guideline efforts and overcoming protocol fatigue. *Critical Care Medicine*,36:626-8.
24. **Devlin, J.W.**, Fong, J., Fraser, G., & Riker, R. (2007) Delirium assessment in the critically ill. *Intensive Care Medicine*, 33, 929-40
23. Rea, R., Battistone, S., Fong, J., & **Devlin, J.W.** (2007). Atypical antipsychotics versus haloperidol for treatment of delirium in acutely ill patients. *Pharmacotherapy*, 27:588-594
22. **Devlin, J.W.**, Tanios, M., & Epstein, S.K. (2006). ICU sedation: Waking up clinicians to the gap between research and practice. *Critical Care Medicine*, 34, 556-557
21. **Devlin, J.W.**, & Olsen, K.M. (2006).Proton pump inhibitor formulary considerations in the acutely ill: Part 1: Pharmacology, pharmacodynamics and available formulations. (Author's reply). *Ann Pharmacother*, 40, 997-998
20. **Devlin, J.W.**, Fong, J.J., & Schumaker, G. (2006) Identifying factors that could account for differences in duration of mechanical ventilation between intermittent lorazepam and propofol-treated patients. *Crit Care Med*, 34, 3063-3064
19. **Devlin, J.W.**, & Barletta, J.F. (2005). Reevaluating the role of albumin for fluid resuscitation: Implications of the saline versus albumin fluid evaluation (SAFE). *American Journal of Health System Pharmacy*, 62, 637-642
18. **Devlin, J.W.**, Welage, L.S., & Olsen, K.M. (2005).Proton pump inhibitor formulary considerations in the acutely ill: Part 1: Pharmacology, pharmacodynamics and available formulations. *Ann Pharm* 2005, 39, 1667-1677
17. **Devlin, J.W.**, Welage, L.S., & Olsen, K.M. (2005) Proton pump inhibitor formulary considerations in the acutely ill: Part 2: Clinical efficacy, safety and economics. *Annals of Pharmacotherapy*, 39, 1844-1851
16. **Devlin, J.W.** (2005).Treatment options and formulary considerations in the management of acid suppression in critically ill patients. *American Journal of Health-System Pharmacy*, 62(Suppl 2), S2-3
15. **Devlin, J.W.** (2005). Proton pump inhibitors for acid suppression in the intensive care unit: Formulary considerations. *American Journal Health-System Pharmacy* 62, (Suppl 2), S24-30
14. Nguyen, C.M., Barletta, J.F., & **Devlin J.W.** (2004). Use of acid suppression agents following acute, non-variceal, upper gastrointestinal bleeding. *Hospital Pharmacy*, 39, 970-975
13. **Devlin, J.W.**, & Welage, L.S. (2004). The cost effectiveness of proton pump inhibitors for bleeding peptic ulcers: The unanswered questions. *Critical Care Medicine*, 32, 1415-1416
12. Vanscoy, G., **Devlin, J.W.**, Ponzillo, J., & Kuhl, D.A. (2002). Implementing guidelines for drotrecogin alfa (activated): Three perspectives. *Pharmacy and Therapeutics*, 27, 1-15
11. **Devlin, J.W.**, & Kanji, S. (2002). Managing thrombosis syndromes. In: Critical Care Module, *Pharmacy Self Assessment Program (PSAP)*. 4th ed. Zarowitz, B.J. (Ed). Kansas City, MO, American College of Clinical Pharmacy=
10. **Devlin, J.W.**, Tyburski, J.G., & Moed, B. (2001). Implementation and evaluation of enoxaparin deep vein thrombosis prophylaxis guidelines after major trauma. *Pharmacotherapy*, 21,740-747

9. **Devlin, J.W.**, Fraser, G.F., Kanji, S., & Riker, R. (2001). Sedation assessment in critically ill adults. *Annals of Pharmacotherapy*, 35, 1624-1632
8. Kanji, S., **Devlin, J.W.**, Piekos, K., & Racine, E. (2001). Recombinant human activated protein C (drotrecogin alfa activated): A novel therapy for severe sepsis. *Pharmacotherapy*, 21, 1389-1402
7. **Devlin, J.W.**, Coplin, W.M., Murry, K.R., Rengachary, S.S., & Wilson, R.F. (2000). Nimodipine induced acute hypoxemia. *Neurosurgery*, 47, 1243-1247
6. **Devlin, J.W.** (2000) Pain assessment in seriously ill patients: Can family members play a role? *Crit Care Med* 28,1660-61
5. Clemmer, T.P., Wallace, J.C., Spuhler, V.J., Bailey, P.P., & **Devlin, J.W.** (2000). Origins of the Motor Activity Assessment Scale score: A multi-institutional process. *Critical Care Medicine* 28, 3124.
4. **Devlin, J.W.** (2000). The role of low molecular weight heparin for DVT prophylaxis in acutely ill medical patients. *Journal of Informed Pharmacotherapy* 2000; 3, 300-308.
3. **Devlin, J.W.**, Bailey, E.M., & Zarowitz, B.J. (1997). Administration of amphotericin B in lipid emulsion. *Critical Care Medicine*, 25, 892.
2. **Devlin, J.W.**, Wass, H., & Waters, I.A. (1994). Fludarabine associated pulmonary hypersensitivity: a report of two cases. *Canadian Journal of Hospital Pharmacy*, 47, 125-127.
1. **Devlin, J.W.**, Bayliff, C.D., & Paterson, N.A.M. (1990). Benzodiazepine withdrawal masquerading as steroid psychosis. *Canadian Journal of Hospital Pharmacy*, 43, 134-136.

Non-refereed Articles

6. **Devlin JW.** (2012). Optimizing strategies to reduce oversedation and improve cognitive and functional outcome in the critically ill. *Intensive Care Times*. (May)
5. Devlin, J.W. (2009). ICU delirium recognition, prevention and treatment electronic protocol. VSICU (Phillips Electronic ICU Systems) (October)
4. Gesin, G., **Devlin, J.W.** (2007) Strategies associated with the successful development and implementation of an ICU sedation algorithm. *Critical Care Connections* (December).
3. **Devlin, J.W.** (2003). Strategies to minimize antimicrobial resistance in the ICU: The role of the pharmacist. *Critical Care Connections*. (August).
2. **Devlin, J.W.**, & Sahloff, E.G. (2002). ICU Sedation: Optimizing patient outcomes without compromising ability to wean from mechanical ventilation. Proceedings from the 3rd Mid-America Critical Care Symposium. *Pharmacy Practice News*, (suppl) 11, 13-15.
1. **Devlin, J.W.**, & Roberts, K. (2001). Optimizing acid suppressive therapy in acutely ill patients: the role of proton pump inhibitors for the prevention and treatment of upper gastrointestinal bleeding. *Powerpak*. (July)

Books and Chapters

Editor

1. Sleep in Critical Illness: Physiology, Associated Outcomes, and Its Potential Role in Recovery (2022). Weinhouse J, **Devlin JW** (Eds). Bern-Switzerland, Springer-Nature.

Author

31. Wu TT, **Devlin JW** (2021). Delirium and Disrupted Sleep in Critically Ill Adults. In Erstad B (Ed). *Critical Care Pharmacotherapy*. Kansas City, MO, American College of Clinical Pharmacy. 2nd ed.
30. **Devlin JW**, Szumita P (2021). Analgesia-first sedation and non-opioid multimodal analgesia in the intensive care unit. In *Preedy - The Neuroscience of Pain: Features and Assessments of Pain, Anesthesia, and Analgesia*. xx (Eds). London, UK, Elsevier.
29. Stollings J, Szumita P, **Devlin JW**. (2020) C:Choice of Medication. In: Posa P, Singh J, Stolling J (Eds). *ICU Liberation* (2nd ed). Chicago, IL: Society of Critical Care Medicine.
28. **Devlin, J.W.**, Nolin T. (2019). Acid-base disorders. In: J.T. DiPiro, R.L. Talbert, G.C. Yee, G.R. Matzke, B.G. Wells & L.M. Posey (Eds). *Pharmacotherapy: The pathophysiologic basis of disease*. (11th ed.). New York, NY: McGraw-Hill.
27. van den Boogaard M, **Devlin JW**. (2019) Prediction models for delirium in critically ill adults. In: Pandharipande PP, Ely EW, Hughes C (Eds). *Delirium*. Berlin Germany, Springer, 1st ed.
26. **Devlin, J.W.**, Barletta, J.F. (2018) *Geriatric critical care pharmacology*. In: *Rosenbaum S, Shamsuddin Akhtar, S*

- (Eds) Principles of Geriatric Critical Care. Cambridge UK: Cambridge University Press, 1st ed.
25. Bouwmeester, C., **Devlin JW**. (2018) Medication assessment in older adults. In: Fulmer T (Ed). Handbook of Geriatric Medicine. Burlington MA. Jones and Bartlett, 2nd ed.
 24. Patel M, **Devlin, JW** (2016) Sleep and delirium in the critically ill. In: Boucher B, (Ed), Critical care self-assessment program. Kansas City, American College of Clinical Pharmacy, 1st ed.
 23. **Devlin, J.W.** (2016) Delirium in critically ill adults. In Erstad B (Ed). Critical care pharmacotherapy. Kansas City, MO, American College of Clinical Pharmacy. 1st ed.
 22. **Devlin, J.W.** (2016). Acid-base disorders. In: J.T. DiPiro, R.L.Talbert, G.C. Yee, G.R. Matzke, B.G. Wells & L.M. Posey (Eds). *Pharmacotherapy: The pathophysiologic basis of disease*. (10th ed.). New York, NY: McGraw-Hill.
 21. **Devlin J.W.** (2014). Delirium. In: Erstad BL (Ed). *Critical Care Pharmacotherapy*. Kansas City. American College of Clinical Pharmacy. 1st ed.
 20. **Devlin, J.W.**, Matzke, G. (2013). Acid-base disorders. In: J.T. DiPiro, R.L.Talbert, G.C. Yee, G.R. Matzke, B.G. Wells & L.M. Posey (Eds). *Pharmacotherapy: The pathophysiologic basis of disease*. (9th ed.). New York, NY: McGraw-Hill.
 19. Lewin, J.J., **Devlin, J.W.**. (2012) Critical Care Pharmacy Practice. In: University of the Sciences in Philadelphia (Ed). Remington: The Science and Practice of Pharmacy. 22nd ed. Philadelphia.
 18. **Devlin J.W.**, Fraser GL, Riker RR. (2011). Drug-induced coma and delirium. In: J. Papadopoulos, B. Cooper, S. Kane-Gill, S. Mallow-Corbett, J. Barletta (Eds). *Drug-Induced Complications in the Critically Ill Patient: A Guide for Recognition and Treatment*. Society of Critical Care Medicine. (1st ed.). Chicago.
 17. **Devlin, J.W.**, Matzke, G. (2011). Acid-base disorders. In: J.T. DiPiro, R.L.Talbert, G.C. Yee, G.R. Matzke, B.G. Wells & L.M. Posey (Eds). *Pharmacotherapy: The pathophysiologic basis of disease*. (8th ed.). New York, NY: McGraw-Hill.
 16. **Devlin, J.W.** (2011). Sedatives. In S. Kane-Gill, J.F. Dasta (Eds). High Risk Medications in the Critically Ill. (1st ed.). New York: Springer.
 15. **Devlin, J.W.** (2009). Peptic ulcer disease. In: M.A. Chisholm, T.L. Schwinghammer & B.G. Wells (Eds.) *Pharmacotherapy principles and practice*. (2nd Ed). New York, NY: McGraw-Hill.
 14. **Devlin, J.W.** & Barletta, J.F. (2008). Principles of drug dosing in the critically ill. In: J.E. Parillo & J.E. Dellinger (Eds). *Critical care medicine: Principles of diagnosis and management in the adult*. (3rd ed). Philadelphia, PA: Elsevier.
 13. **Devlin, J.W.**, Matzke, G. & (2008). Acid-base disorders. In: J.T. DiPiro, R.L.Talbert, G.C. Yee, G.R. Matzke, B.G. Wells & L.M. Posey (Eds). *Pharmacotherapy: The pathophysiologic basis of disease*. (7th ed.). New York, NY: McGraw-Hill.
 12. Kanji, S. & **Devlin, J.W.** (2008). Antimicrobial prophylaxis in surgery. In: J.T. DiPiro, R.L.Talbert, G.C. Yee, G.R. Matzke, B.G. Wells & L.M. Posey (Eds). *Pharmacotherapy: The pathophysiologic basis of disease*. (7th ed.). New York, NY: McGraw-Hill
 11. **Devlin, J.W.** (2008). Peptic ulcer disease: The pain of it all. In: T. Swinghammer (Ed). Pharmacotherapy casebook. (7th ed.) New York, NY: McGraw-Hill.
 10. Fong, J.J. & **Devlin, J.W.** (2007). Peptic ulcer disease. In: M.A. Chisholm, T.L. Schwinghammer & B.G. Wells (Eds.) *Pharmacotherapy principles and practice*. (1st Ed). New York, NY: McGraw-Hill.
 9. Kanji, S. & **Devlin, J.W.** (2005). Antimicrobial prophylaxis in surgery. In: J.T. DiPiro, R.L.Talbert, G.C. Yee, G.R. Matzke, B.G. Wells & L.M. Posey (Eds). *Pharmacotherapy: The pathophysiologic basis of disease*. (6th ed., pp. 2217-2230). New York, NY: McGraw-Hill.
 8. **Devlin, J.W.** & Kanji, S.(2002). Antimicrobial prophylaxis in surgery. In: J.T. DiPiro, R.L. Talbert, G.C. Yee, G.R. Matzke, B.G. Wells & L.M. Posey (Eds). *Pharmacotherapy: The pathophysiologic basis of disease*. (5th ed., pp. 2111-2123). Stamford, CT: Appleton & Lange.
 7. **Devlin, J.W.** (2001). Critical appraisal of meta-analysis. In: R. Slaughter & D. Edwards (Eds.). *Evaluating drug literature: A statistical approach*. (1st ed., pp. 229-248). New York, NY: McGraw-Hill.
 6. Kanji, S. & **Devlin, J.W.** (2001). Digoxin. In J.A. Kruse (Ed.). *The Saunders manual of critical care*. (2nd ed., pp. 626-629). Philadelphia, PA: WB Saunders.
 5. Kanji, S. & **Devlin, J.W.** (2001). Digoxin overdose. In J.A. Kruse (Ed.). *The Saunders manual of critical care*. (2nd ed., pp. 229-233). Philadelphia, PA: WB Saunders.
 4. **Devlin, J.W.** (2001). Neuromuscular blockers. In J.A. Kruse (Ed.). *The Saunders manual of critical care*. (2nd ed., pp.597-602). Philadelphia, PA: WB Saunders.
 3. **Devlin, J.W.** (2001). Narcotic agonists and antagonists. In J.A. Kruse (Ed.). *The Saunders manual of critical care*. (2nd ed., pp. 602-605). Philadelphia, PA: WB Saunders.
 2. **Devlin, J.W.** (2001). Acid-inhibiting agents and sucralfate. In J.A. Kruse (Ed.). *The Saunders manual of critical care*. (2nd ed., pp. 593-597). Philadelphia, PA: WB Saunders.
 1. **Devlin, J.W.**, & Zarowitz, B.J.(1999). Alterations in drug disposition in the elderly. In S.M. Ayres, A. Grenvik & W. Shoemaker (Eds). *Textbook of critical care*. (4th ed., pp. 991-1000). Philadelphia, PA WB Saunders.

Presentations

Refereed Original Research Conference Presentations

International

19. Smit L, Slooter A, **Devlin JW**, et al. [October 2021] *Efficacy of haloperidol to decrease the burden of Delirium In adult Critically ill patients (EuRIDICE): a randomized clinical trial*. Submitted for presentation at the 24th Annual Meeting of the European Society of Intensive Care Medicine, Copenhagen, DE
18. Duprey MS, Skobik Y, **Devlin JW**. [November 2018]. *Association between sleep quality and delirium occurrence in critically ill adults*. Presented at the 12th European Delirium Association Annual Meeting. Utrecht, NL
17. van der Jagt M, Hunfeld NGM, Trogrlic Z, **Devlin JW**, et al. [October 2017] *Efficacy of haloperidol to decrease the burden of delirium in adult critically ill patients (EURIDICE): A prospective randomized multi-center double-blind, placebo-controlled clinical trial*. Presented at the 30th Annual Meeting of the European Society of Intensive Care Medicine, Vienna, Austria.
16. N.G.M. Hunfeld, Z. Trogrlic, S.E. Ladage, R.J. Osse, B.C.P. Koch, W. Rietdijk, **J.W. Devlin**, M. van der Jagt [October 2016] *Relationship between trough haloperidol concentrations and clinical response in critically ill adults with delirium who are managed with a scheduled IV haloperidol protocol*. Presented at the 29th Annual Meeting of the European Society of Intensive Care Medicine, Milan, Italy.
15. L Rose, L Burry, R Mallick, E Luk, Cook D, Fergusson D, Meade M, Herridge M, Dodek P, Burns K, Granton J, Ferguson N, **Devlin JW**, Steinberg M, Tanios M, Fowler R, Jacka M, Olafson K, Skrobik Y, S Mehta [October 2014] *Factors associated with restraint use in the SLEAP trial: a multicenter randomized trial comparing protocolized sedation with daily sedation interruption versus protocolized sedation alone in mechanically ventilated adults*. Accepted for presentation at the 27th Annual Meeting of the European Society of Intensive Care Medicine, Barcelona, Spain.
14. Hazelbag, M., Zaal, I.J., Slooter, A.J.C. **Devlin, JW**, Groenwold. RHH. [July 2014] *Inverse probability weighting estimation of marginal structural models when evaluating causality during continuous benzodiazepine exposure in the critically ill*. Accepted for presentation at the Netherlands Epidemiological Society Congress. Amsterdam, NL.
13. L Burry, D Cook, M Meade, R Mallick, D Fergusson, M Herridge, M Steinberg, J Granton, N Ferguson, **JW Devlin**, M Tanios, P Dodek, R Fowler, K Burns, M Jacka, K Olafson, S Reynolds, S Keenan, Y Skrobik, and, S Mehta, for the SLEAP Investigators and the Canadian Critical Care Trials Group [November 2013] *Recall of ICU stay in mechanically ventilated patients managed with a sedation protocol or a sedation protocol with daily interruption*. Presented at the 2013 Critical Care Forum, Toronto, Canada.
12. Mehta, S., Cook, D., Meade, M., Mallick, R., Fergusson, N. Herridge, M., Steinberg, M., Granton, J., Ferguson, N., **Devlin, J.**, Tanios, M., Dodek, P., Fowler, R., Burns, K., Jacka, M., Olafson, K., Keenan, S., Reynolds, S., Skrobik, Y., Burry, L., the SLEAP Investigators and the Canadian Critical Care Trials Group. [2013, October] *Recall of ICU stay in mechanically ventilated patients managed with a sedation protocol or a sedation protocol with daily interruption: results of the SLEAP multicenter randomized trial*. Presented at the 26th Annual Meeting of the European Society of Intensive Care Medicine. Paris, France
11. Mehta, S., **Devlin, J.W.**, Skrobik, Y., Meade, M., Cook, D., Fergusson, D., Steinberg, M., Granton, J. Ferguson, N., Tanios, M., Dodek, P., Fowler, R., Burns, K., Jacka, M., Olafson, K., Keenan, S., Reynolds, S., Kutsogiannis, J., Mallick, R., & Burry, L. for the SLEAP Investigators and the Canadian Critical Care Trials Group [2012, October] *Delirium, sub-syndromal delirium, antipsychotic use and associated clinical outcomes in critically ill mechanically ventilated patients enrolled in the SLEAP multicenter, randomized trial*. Accepted for presentation at the 25th Annual Meeting of the European Society of the Intensive Care Medicine, Lisbon, Portugal October.
10. Burry, L., Steinberg M., Rose, L. Kim, S., **Devlin, J.W.**, Ashley, B.J., Smith, O. Poretta K. Lee Y, Harvey J., Brown, M., Cheema, P., Wong, Z., & Mehta, S. for the SLEAP Investigators and Canadian Critical Care Trials Group. [2011, October] *Clinicians' perspectives on the use of a sedation protocol or daily sedative interruption in mechanically ventilated patients enrolled in a multicenter sedation trial*. Presented at the 24th Annual Meeting of the European Society of the Intensive Care Medicine, Berlin, Germany.
9. Kanji, S., Betancourt, M., Kruse, J.A., & **Devlin, J.W.** [2002, September]. *Validating the use of ICD-9 based search strategies to identify patients with severe sepsis who may be candidates for drotrecogin alfa (activated) therapy*. Platform presented at the European Society of Intensive Care Medicine's Annual Congress, Barcelona, Spain.
8. Betancourt, M., McKinnon, P.S., Kanji, S., Bach, D., Massanari, R.M. & **Devlin, J.W.** [2002, September]. *Impact of the number of failed organs on the cost-effectiveness of drotrecogin alfa (activated)*. Poster presented at the European Society of Intensive Care Medicine's Annual Congress, Barcelona, Spain.

7. **Devlin, J.W.**, Boleski, G., Mlynarek, M., Nerenz, D., Peterson, E., Horst, H.M. & Zarowitz, B.J. [1998, February]. *The Motor Activity Assessment Scale: A valid and reliable sedation scale for use in adult, mechanically ventilated, surgical ICU patients*. Poster presented at the Canadian Society of Hospital Pharmacist's 1998 Professional Practice Conference, Toronto, ON.
6. **Devlin, J.W.** [1996, June]. *Impact of sedation guidelines on length of mechanical ventilation and drug cost*. Platform presented at the 1996 McMaster University Critical Care Medicine Research Day, Hamilton, ON.
5. **Devlin, J.W.**, Trepanier, E., Agro, K.A., Makarechian, N., Einarson, T. & Koren, G. [2005, August]. *The relationship between moderate alcohol consumption during pregnancy and spontaneous abortion, stillbirth and premature birth: A meta-analysis*. Presented at the 11th International Conference on Pharmacoepidemiology, Montreal, PQ.
4. **Devlin, J.W.**, McKelvie, G. & Bachand, R. [1992, February]. *Developing a new documentation form for clinical statistics: solving drug-related problems and the effect on drug cost*. Poster presented at the Canadian Society of Hospital Pharmacist's 1992 Annual Professional Practice Conference, Toronto, ON
3. **Devlin, J.W.**, Bayliff, C.D. & Bellamy, N. [1990, February]. *Concurrent allopurinol utilization review*. Poster presented at the Canadian Society of Hospital Pharmacist's 1990 Annual Professional Practice Conference, Toronto, ON.
2. **Devlin, J.W.**, Bayliff, C.D. & Paterson, N.A.M. [1989, January]. *Drug-induced psychosis secondary to benzodiazepine withdrawal masquerading as steroid psychosis*. Poster presented at the Canadian Society of Hospital Pharmacist's 1989 Annual Professional Practice Conference on January 27, 1989, Toronto, ON.)
1. **Devlin, J.W.**, Irvine-Meek, J. & Mann, J. [1988, August]. *Unit dose packaging: a survey of Pharmaceutical manufacturers*. Poster presented at the Canadian Society of Hospital Pharmacist's 1988 Annual Meeting, Toronto, ON.

National

124. Zerfas I, Hume N, Wong A, Klein-Fedyshin M, Smithburger P, Buckley M, **Devlin JW**, Kane-Gill S. *Implementation strategies for PAD/PADIS and related ICU outcomes: a systematic review & meta-analysis*. Accepted for presentation at the Society of Critical Care Medicine's 2022 Congress. San Juan, PR.
123. Dube K, Kovacevic M, Duprey M, Szumita PM, Sutton S, McCrobie T, Zeballos J, **Devlin JW**. *Association between non-opioid analgesic use and opioid exposure in critically ill surgical adults*. Accepted for presentation at the Society of Critical Care Medicine's 2022 Congress. San Juan, PR.
122. Wu TT, **Devlin JW**, Zegers M, Griffith J, Kooken R, Van den Boogaard M. *Pre-ICU anxiety and depression and the risk of delirium in critically ill adults*. Accepted for presentation at the Society of Critical Care Medicine's 2022 Congress. San Juan, PR.
121. Duprey MS, Vernooij L, Dijkstra-Kersten SMA, Zaal, MD IJ, Gélinas C, **Devlin JW**, Slooter AJC. *The complex interplay between pain and delirium in critically ill adults*. Submitted for presentation at the Society of Critical Care Medicine's 2022 Congress. San Juan, PR.
120. **Devlin JW**, Train SE, Burns KEA, Massaro A, Vassaur J, Selvan K, Kress JP, Erstad B. *Critical care physician attitudes and perceptions of neuromuscular blocker infusions in ARDS*. Submitted for presentation at the Society of Critical Care Medicine's 2022 Congress. San Juan, PR.
119. Train SE, Erstad B, Burns KEA, Massaro A, Vassaur J, Selvan K, Kress JP, **Devlin JW**. *Critical care pharmacist attitudes and perceptions of neuromuscular blocker infusions in ARDS*. Submitted for presentation at the Society of Critical Care Medicine's 2022 Congress. San Juan, PR.
118. Duprey MS, Dijkstra-Kersten SMA, Zaal IJ, **Devlin JW**, Slooter AJC. *Pain is not a strong risk factor for delirium in critically ill adults*. Accepted for presentation as a NIDUS oral abstract at the 2021 American Delirium Society Annual Meeting (virtual meeting).
117. Duprey MS, **Devlin JW**, Griffith JL, Travison TG, Briesacher BA, Jones R, Saczynski J, Schmitt EM, Gou Y, Marcantonio ER, Inouye SK. *Association between perioperative medication use and post-operative delirium and cognition in older adults undergoing elective non-cardiac surgery*. Accepted for presentation as a NIDUS oral abstract at the 2021 American Delirium Society Annual Meeting (virtual meeting).
116. Zerfas I, Hume N, **Devlin JW**, Klein-Fedyshin M, Kane-Gill S. *Systematic review of implementation strategies for PAD/PADIS guideline application in ICU practice*. Accepted for presentation as the 2020 AHSP Midyear Clinical Meeting (virtual meeting).
115. Duprey M, Dijkstra-Kersten S, Zaal I, Brieacher B, Saczynski J, Griffith J, **Devlin JW**, Slooter AJC. *Association between opioid use and daily delirium risk in critically ill adults*. Accepted for presentation at the 2020 Annual Meeting of the American College of Clinical Pharmacy (virtual meeting) (**winner – student research award**).
114. Nguyen M, Tanios M, **Devlin JW**. *The association between coma, days on mechanical ventilation (MV) and 28-day mortality for adults managed with analgesia-first sedation or traditional sedation methods*. Accepted for presentation at the 2020 American College of Chest Physicians Annual Congress (virtual meeting).

113. Burns K, Rizvi L, Seely AJ, Cook DJ, Mayette M, Tanios M, Rochweg B, **Devlin JW**, et al. for the Canadian Critical Care Trials Group. *Impact of frailty on clinical outcomes in the FAST trial*. Accepted for presentation at the 2020 American Thoracic Society Annual Meeting. Philadelphia, PA
112. Lewis K, Pitaru J, Carayannopoulos L, Alshamsi F, Spence J, Rochweg B, Perri D, Karachi T, Hylander M, Needham D, Soth M, Holbrook A, **Devlin JW**, et al, for the Guide Group. *Dexmedetomidine compared to other sedatives or placebo in critically ill mechanically ventilated adults: a systematic review and meta-analysis of randomized controlled trials*. Accepted for presentation at the 2020 American Thoracic Society Annual Meeting. Philadelphia, PA
111. Duprey MS, **Devlin JW**, van der Hoeven JG, Pickkers P, Briesacher BA, Saczynski JS, Griffith JL, van den Boogaard M. *Association between cumulative haloperidol exposure and 28- and 90-day mortality in critically ill adults*. Accepted for presentation as research star platform at the Society of Critical Care Medicine's 2020 Congress. Orlando, FL.
110. Duprey MS, Skrobik Y, **Devlin JW**. *Association between sleep quality and delirium occurrence in critically ill adults: a secondary analysis of a randomized controlled trial*. Accepted for presentation as the Society of Critical Care Medicine's 2020 Congress. Orlando, FL.
109. Duprey MS, van den Boogaard M, van der Hoeven JG, Pickkers P, Devlin JW. *Association between cumulative haloperidol dose and 28- and 90-day mortality in critically ill adults: post-hoc analysis of the REDUCE study*. Accepted for presentation as a platform in the NIA-NIDUS session at the 9th Annual ADS Meeting, Boston, MA [June 2019].
108. Duprey MS, Skrobik Y, Devlin JW. *Association between sleep quality and delirium occurrence in critically ill adults: a secondary analysis of a randomized controlled trial*. Accepted for presentation as a poster at the 9th Annual ADS Meeting, Boston, MA [June 2019].
107. Briesacher BA, Mui BL, **Devlin JW**, Koethe B. *Validity of nursing home self-reported antipsychotic prescribing*. Accepted for presentation at the 2019 Academy Health Annual Research Meeting. Seattle, WA.
106. Wheeler K, Martin J, Centofanti J, Gelinis C, Szumita P, **Devlin JW**, et al. *Opioid adjuvant analgesic use in the critically ill: A systematic review and meta-analysis*. Accepted for presentation at the 2019 American Thoracic Society Annual Meeting. Dallas, TX
105. Hammad R, Honarmand K, Le J, Mohan S, Rochweg B, Skrobik Y, **Devlin JW**, Bosma, K. *Systematic review of risk factors associated with disrupted sleep in critically ill patients*. Accepted for presentation at the 2019 American Thoracic Society Annual Meeting. Dallas, TX
104. Duprey MS, Brooks K, Khalil S, Moreno JL, Wakeman SE, Roberts RJ, Jacobsen J, **Devlin JW**. *Self-reported substance/psychoactive medication use vs. urine toxicology screen for OUD admissions*. Accepted for presentation at the Society of Critical Care Medicine's 2019 Critical Care Congress, San Diego, CA
103. **Devlin JW**, Duprey MS, Skrobik Y, Weinhouse G. *ICU sleep management practices across 6 states prior to the 2018 SCCM PADIS practice guideline release*. Presented at the Society of Critical Care Medicine's 2019 Critical Care Congress, San Diego, CA
102. Hamidi A, Roberts R, Duprey M, Weinhouse G, Szumita P, Delgado J, Dube J, Choi M, **Devlin JW**. *Documented Sleep quality and scheduled sleep aid medication response in critically ill adults*. Presented at the Society of Critical Care Medicine's 2019 Critical Care Congress, San Diego, CA
101. Moreno J, Duprey M, Wakeman S, Roberts R, **Devlin JW**. *Predictors for 30-day and 90-day hospital readmission among patients with opioid use disorder*. Presented at the 2018 Annual Meeting of the American College of Clinical Pharmacy, Seattle, WA
100. Tanios MA, Nguyen HM, Park H, Mehta S, Epstein SK, Flores G, Youseff F, Beltran A, Sidhom RM, Sehgal A, Leo JD, **Devlin JW**. *Randomized comparison of analgesia-first sedation, protocol-directed sedation or protocol-directed sedation with daily interruption in mechanically ventilated adults: a pilot study*. Presented as a platform presentation at the American Thoracic Society 2018 Annual Meeting. San Diego, CA.
99. Roberts RJ, Duprey MS, Kumar A, **Devlin JW**. *Association between initial antibiotic sequence and mortality in septic shock*. Presented at the Society of Critical Care Medicine's 2018 Critical Care Congress, San Antonio TX
98. **Devlin JW**, Duprey MS, Moreno J, Roberts, R. *Epidemiology, opioid exposure & outcomes for ICU patients admitted with a known opioid use disorder*. Presented at the Society of Critical Care Medicine's 2018 Critical Care Congress, San Antonio TX
97. Duprey MS, van Boorgard M, van der Hoeven J, Pickkers P, **Devlin JW**. *Incident ICU delirium, its duration, & coma/delirium days: association with 28- and 90-day mortality*. Presented at the Society of Critical Care Medicine's 2018 Critical Care Congress, San Antonio TX
96. M. Duprey, S. Shah, A. Slooter, R. D. Stevens, **Devlin JW**. *The taxonomy of delirium and encephalopathy in research studies: a scoping review of 200 articles*. Presented at the American Delirium Society's 2017 Annual Meeting. Nashville, TN.

95. Skrobik Y, **Devlin JW**, Duprey M, Hill NS. *Nocturnal dexmedetomidine infusion effects on delirium and sleep quality in critically ill adults: a randomised, placebo-controlled trial*. Presented as a platform presentation at the American Thoracic Society 2017 Annual Meeting, Washington, DC.
94. Duprey MS, Al-Qadheeb N, Roberts R, Skrobik G, **Devlin JW**. *QTc interval prolongation with low-dose IV haloperidol: post-hoc analysis of a placebo-control trial*. Presented at the Society of Critical Care Medicine's 2017 Critical Care Congress, Honolulu, HI.
93. Curtis N, Corapi J, Roberts R, **Devlin JW**. *Impact of parenteral vasopressin generic rebranding on clinician practices and perceptions*. Accepted for presentation at the Society of Critical Care Medicine's 2017 Critical Care Congress, Honolulu, HI.
92. Roberts RJ, Gloria Vasquez-Grande, Ehsan Koohpayezadeh Esfahani, Amarnath Pisipati, Kumar A, **Devlin JW**. *Impact of antibiotic initiation sequence on outcomes in patients with septic shock*. Accepted for presentation at the Society of Critical Care Medicine's 2017 Critical Care Congress, Honolulu, HI.
91. Oliveri-Mui BL, **Devlin JW**, Ochoa A, Schenck D, Briesacher B. *Perceptions vs. evidence: therapeutic substitutes for antipsychotics in patients with dementia in long term care*. Presented at 2016 Academy Health Meeting, Boston, MA
90. Schenck D, **Devlin JW**, Mui B, Ochoa A, Briesacher B. *Therapeutic substitutes for antipsychotics in adults with dementia in long term care facilities: preliminary results from an expert panel survey*. Accepted for presentation at the American Society of Health System Pharmacy 2016 Midyear Meeting, New Orleans, LA
89. Dzierba A, Smithburger P, Devlin J.W., Swan J, Kane Gill, S. *A national evaluation of ICU delirium identification, prevention and treatment practices*. Accepted for presentation at the Society of Critical Care Medicine's 2016 Critical Care Congress, Orlando, FL.
88. **Devlin JW**, Dzierba A, Roberts R, Muir J, Alhammad A, Clark J, Ruthazer R, Schumaker R. *Effect of ECMO use on the incidence of severe thrombocytopenia during severe ARDS* Accepted for presentation at the Society of Critical Care Medicine's 2016 Critical Care Congress, Orlando, FL.
87. Swanson JM, Shafeeq H, Hammond D, Li C, **Devlin J.W.** *Critical care pharmacy resident research publication: perceptions and practices of residency directors*. Accepted for presentation at the Society of Critical Care Medicine's 2016 Critical Care Congress, Orlando, FL.
86. Shafeeq H, Swanson JM, Hammond D, Li C, **Devlin J.W.** *Critical care pharmacy resident research project publication: practices and perceptions of graduates*. Accepted for presentation at the Society of Critical Care Medicine's 2016 Critical Care Congress, Orlando, FL.
85. Bailey BJ, Painter JT, **Devlin JW**, et al. for the POLS Group. Perceived motivating factors and barriers for the completion of postgraduate training in American pharmacy students. (Poster number: 2-003) American Society of Health-System Pharmacists Midyear Clinical Meeting. New Orleans, LA, December 7, 2015.
84. Wolters, A.E., Zaal, I.J., Veldhuijzen, D.S., Cremer, O.L., **Devlin, J.W.**, van Dijk, D., Slooter A.J.C. *Anticholinergic drugs and the daily transition to delirium in critically ill patients: a prospective cohort study*. Accepted for presentation at the 5th Annual Meeting of the American Delirium Society, Baltimore, MD.
83. C. Der Nigoghossian, A. Dzierba, J. Etheridge, R. Roberts, J. Muir, D. Brodie, G. Schumaker, **J. W. Devlin**. *Effect of extracorporeal membrane oxygenation use on sedative requirements during severe ARDS acute respiratory*. Presented at the Society of Critical Care Medicine's 2015 Critical Care Congress, Phoenix, AZ.
82. Alhammad, A., Roberts, R., Anketell E., Schumaker, G., Garpestad, E., **Devlin, J.W.** *Impact of Grm+ vs. Grm- antibiotic initiation sequencing on vasopressor requirements in septic shock*. Presented at the Society of Critical Care Medicine's 2015 Critical Care Congress, Phoenix, AZ.
81. Roberts, R., Alhammad, A., Crossley L., Anketell E., Wood, L., Schumaker, G., Garpestad, E., **Devlin, J.W.** *Practices and perceptions of ED and ICU RNs regarding initial IV antibiotic therapy for septic shock*. Presented at the Society of Critical Care Medicine's 2015 Critical Care Congress, Phoenix, AZ.
80. Al-Qadheeb, N.S., Skrobik, Y., Schumaker, G., Pacheco, M., Roberts, R., Ruthazer, R.. **Devlin, J.W.** *Preventing ICU subsyndromal delirium conversion to delirium with low-dose IV haloperidol: a double-blind, placebo-controlled pilot study* Presented at the Society of Critical Care Medicine's 2014 Critical Care Congress, San Francisco, CA.
79. Al-Qadheeb, N.S., Skrobik, Y., Schumaker, G., Pacheco, M., Roberts, R., Ruthazer, R.. **Devlin, J.W.** *Preventing ICU subsyndromal delirium conversion to delirium with low-dose IV haloperidol: a double-blind, placebo-controlled pilot study*. Presented at the Society of Critical Care Medicine's 2014 Critical Care Congress, San Francisco, CA.
78. Bioc, J., Magee, C., Cucchi, J., Fraser, G., Dasta, J., Edwards R., **Devlin J.W.** *Cost-effectiveness of benzodiazepine vs. non-benzodiazepine sedation during mechanical ventilation*. Presented at the Society of Critical Care Medicine's 2014 Critical Care Congress, San Francisco, CA.
77. Zaal, I., **Devlin, J.W.**, van der Kooi, A., Klein Klouwenberg, P., Hazelbag, M., Ong, D., Groenwold, R., Slooter, A.. *The association between benzodiazepine use and delirium in the ICU: a prospective cohort study*. Presented at the Society of Critical Care Medicine's 2014 Critical Care Congress, San Francisco, CA.

76. Zaal, I., **Devlin, J.W.**, Slooter, A.. *A systematic review of the risk factors for delirium in the intensive care unit.* Presented at the Society of Critical Care Medicine's 2014 Critical Care Congress, San Francisco, CA.
75. Palan-Lopez R, O'Connor HH, **Devlin JW**, White A, Guarino AJ. Assessing competency of providers in a long-term acute care hospital to evaluate delirium. Accepted for presentation at the 2013 Annual Scientific Meeting of the Gerontological Society of America. New Orleans, LA.
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74. **Devlin, J.W.**, Al-Qadheeb, N.S., Chi, A., Roberts, R., Qawi I., Garpestad E., Logvinenko, T., Hill, N.S., *Efficacy and safety of dexmedetomidine during non-invasive ventilation for patients with acute respiratory failure: A randomized, double-blind, placebo-controlled, pilot study.* Accepted for a platform presentation at the 2013 American Thoracic Society International Conference. Philadelphia, PA
73. Al-Qadheeb, N., Fraser, G., Balk, E., Skrobik, Y., Riker R., Kress, J.P., Whitehead, S., **Devlin, J.W.** *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.* Presented at the Society of Critical Care Medicine's 2013 Critical Care Congress, San Juan, PR.
72. Al-Qadheeb, N., O'Donnell N., Hoffman, K., Dimbil, M., **Devlin, J.W.** *Adverse events associated with IV sedative use and related mortality in the United States over an eight year period.* Presented at the Society of Critical Care Medicine's 2013 Critical Care Congress, San Juan, PR.
71. Rose, L., Maunder, R., Hunter, J., Day, A., Steinburg, M., Herridge, M., **Devlin, J.W.**, Dodek, J.W., Burry, L., Mehta S. for the Canadian Critical Care Trials Group. *Sleep, cognitive and psychological morbidity following sedation protocol and daily sedative interruption vs. sedation protocol alone in critically ill, mechanically ventilated adults (SLEAP-SCP).* Presented at the Society of Critical Care Medicine's 2013 Critical Care Congress, San Juan, PR.
70. Fongemie J., Al-Qadheeb, N., Estes, N.A., Roberts, R., Temtanakitpaisan, Y., Ruthazer, R., **Devlin, J.W.** *Agreement between ICU clinicians and electrophysiology cardiologists for the initiation of a QTc-interval prolonging medication in ICU patients with potential risk factors for Torsades de Pointes.* Presented at the Society of Critical Care Medicine's 2013 Critical Care Congress, San Juan, PR.
69. Mehta, S., Burry, L., Cook, D., Steinberg, M., Fergusson D., Hebert P., Herridge, M., Granton, J., Ferguson, N., **Devlin, J.W.**, Tanios, M., Fowler, R., Dodek, P., Burns, K., Jacka, M., Olafson, K., Reynolds, S., Keenan, S., Skrobik, S., Kutsogiannis, J., Antoni, J., Meade, M., for the SLEAP Investigators and Canadian Critical Care Trials Group [2012, May] *SLEAP: A multicenter randomized trial of daily awakening in critically ill patients being managed with a sedation protocol.* Presented as a platform at the 2012 American Thoracic Society International Conference. San Francisco, CA.
68. Al-Qadheeb, N., O'Connor, H., Neidhardt, A., Albizati, M., Joseph, B., Roberts, R., Ruthazer, R., White, A., & **Devlin, J.W.** [2012, May] *Association between use of scheduled antipsychotic therapy during prolonged mechanical ventilation at a long term acute care hospital and related patient outcomes.* Presented at the 2012 American Thoracic Society International Conference. San Francisco, CA.
67. Hoffmeister, J., Al-Qadheeb, N.S., Roberts, N.S., Garpestad, E., Shanahan, K., & **Devlin, J.W.** [2012, May] *Perceptions of medical housestaff and nurses regarding nocturnal physician-nurse interactions surrounding pain, agitation and delirium in the intensive care unit.* Presented at the 2012 American Thoracic Society International Conference. San Francisco, CA.
66. O'Connor, H., Al-Qadheeb, N.S., Joseph, B., White, A., & **Devlin, J.W.** [2012, May] *Agitation during prolonged mechanical ventilation at a long term acute care hospital.* Presented at the 2012 American Thoracic Society International Conference. San Francisco, CA.
65. Hoffmeister, J., Al-Qadheeb, N.S., Roberts, R., Garpestad, R., & **Devlin, J.W.** [2012, February] *Perceptions and practices of on-call medical housestaff to ICU nurse concerns pertaining to pain, agitation and delirium.* Presented at the Society of Critical Care Medicine's 2012 Critical Care Congress, Houston, TX
64. Al-Qadheeb, N.S., Neidhardt, S., Albizati, M., O'Connor, H., Joseph, B., White, A., Roberts, R., Ruthazer, R., & **Devlin, J.W.** [2012, February] *Characterization of scheduled antipsychotic use in mechanically ventilated, long term care acute care patients.* Presented at the Society of Critical Care Medicine's 2012 Critical Care Congress, Houston, TX.
63. Al-Qadheeb, N.S., Neidhardt, S., Albizati, M., O'Connor, H., Joseph, B., White, A., Roberts, R., Ruthazer, R., & **Devlin, J.W.** [2012, February] *Association between use of scheduled antipsychotic therapy in mechanically ventilated long term acute care patients and delirium symptoms, related management strategies and adverse effects: a case-control study.* Presented at the Society of Critical Care Medicine's 2012 Critical Care Congress, Houston, TX.
62. Bhat, S., Roberts, R., Alqadheeb, N., & **Devlin, J.W.** [2011, December] *Impact of multiple, concomitant parenteral drug shortages on intensive care unit prescribing patterns at an academic medical center: a two year analysis.* Presented at the 2011 ASHP Clinical Midyear Meeting. New Orleans, LA.
61. **Devlin, J.W.**, Skrobik, Y., Hinderleider, E., Roberts, R., Fong, J., Riker, R., Ruthazer, R., Hill, N., & Garpestad, E. [2011, October] *Impact of quetiapine on the resolution of individual delirium symptoms in critically ill patients with delirium: a post-hoc analysis of a double-blind, randomized, placebo-controlled pilot study.* Poster

- presentation at the American College of Clinical Pharmacy's 2011 Annual Meeting. Pittsburgh, PA.
60. Kher, S., Roberts, R.J., Garpestad, E., Epstein, S.K., Howard H., Kunkel C., Didomenico, D., Ferguson, A., & **Devlin, J.W.** [2011, May] *Development, implementation and evaluation of an institutional daily awakening and spontaneous breathing trial protocol: a process improvement project*. Poster presentation at the 2011 American Thoracic Society International Conference. Denver, CO.
59. **Devlin, J.W.**, Skrobik, Y., Hinderleider, E., Roberts, R., Fong, J., Riker, R., Ruthazer, R., Hill, N., Garpestad, E. [2011, January] *Impact of quetiapine on the resolution of individual delirium symptoms in critically ill patients with delirium: a double-blind, randomized, placebo-controlled pilot study*. Poster presentation at the Society of Critical Care Medicine's 2011 Critical Care Congress, San Diego, CA.
58. Roberts, R., Chi, A., Grover, A., Newman, M., Bhat, S., Benotti, S., Garpestad, E., Nasraway, S., & **Devlin, J. W.** [2011, January] *Impact of a national propofol shortage on duration of mechanical ventilation at an academic medical center*. Poster presentation at the Society of Critical Care Medicine's 2011 Critical Care Congress, San Diego, CA.
57. **Devlin, J.W.**, Bhat, S., Burke, C., Roberts, R., & Skrobik, Y. [2011, January] *Current critical care pharmacists' perceptions and practices surrounding the treatment of delirium in the intensive care unit*. Poster presentation at the Society of Critical Care Medicine's 2011 Critical Care Congress, San Diego, CA.
56. **Devlin, J.W.**, Bhat, S., Burke, C., Roberts, R., & Skrobik, Y. [2011, January] *Current critical care pharmacists' perceptions and practices surrounding the recognition of delirium in the intensive care unit*. Poster presentation at the Society of Critical Care Medicine's 2011 Critical Care Congress, San Diego, CA.
55. Lin, A., Russell, B., **Devlin, J.W.**, Norton, H., Evans, S., & Gesin, G. [2011, January] *Impact of using a validated delirium screening tool, with or without a pharmacist and nurse-led delirium education program, on the ability of nurses to recognize delirium in a surgical-trauma ICU*. Platform presentation at the Society of Critical Care Medicine's 2011 Critical Care Congress, San Diego, CA.
54. Roberts, R., Benoit, M., Murphy, L., Schumaker, G., Garpestad, E., & **Devlin, J.W.** [2010 January] *Impact of enteral methadone on the ability to wean continuously-infused fentanyl in critically ill adults*. Poster presentation at the Society of Critical Care Medicine's 2010 Critical Care Congress, Miami, FL
53. **Devlin, J.W.**, Roberts, R., Fong, J.J., Skrobik, Y., Riker R.R., Hill, N.S., & Garpestad, E. [2009, February]. *Efficacy and safety of quetiapine for delirium in the ICU: A randomized, double-blind, placebo-controlled study*. Presented as a platform presentation at the Society of Critical Care Medicine's 2009 Critical Care Congress, Nashville, TN.
52. Roberts, R. Schumaker, G., Fong, J., Barletta, J., Gerlach, T., Voils, S., Kuper, P., Szumita, P., Anger, K., Papadopoulos, S., Grgurich, P., Kendall, E., Xamplas, R., Arpino, P., Ruthazer, R., & **Devlin, J.W.** [2009, February]. *Incidence of the propofol infusion syndrome in critically ill adults*. Poster presentation at the Society of Critical Care Medicine's 2009 Critical Care Congress, Nashville, TN.
51. Roberts, R. Schumaker, G., Fong, J., Barletta, J., Gerlach, T., Voils, S., Kuper, P., Szumita, P., Anger, K., Papadopoulos, S., Grgurich, P., Kendall, E., Xamplas, R., Arpino, P., Ruthazer, R., **Devlin, J.W.** [2009, February]. *Failure of a FDA MEDWATCH-derived scoring system to predict mortality in patients with suspected propofol infusion syndrome*. Poster presentation at the Society of Critical Care Medicine's 2009 Critical Care Congress, Nashville, TN.
50. Roberts, R. de Wit, M., Varney, K., Epstein, S.K., **Devlin J.W.** [2009, February]. *Patient-related factors that predict daily sedation interruption by nurses*. Poster presentation at the Society of Critical Care Medicine's 2009 Critical Care Congress, Nashville, TN.
49. Roberts, R. de Wit, M., Varney, K., Epstein, S.K., **Devlin J.W.** [2009, February]. *Nurse-related factors that predict daily sedation interruption by nurses*. Poster presentation at the Society of Critical Care Medicine's 2009 Critical Care Congress, Nashville, TN.
48. **Devlin, J.W.**, Fong, J.J., Howard, E., McCoy, N., Yasuda, C., Marshall, J., Roberts, [2008, February]. *Nursing practices and perceptions towards delirium assessment in the intensive care unit*. Presented at the Society of Critical Care Medicine's 2008 Critical Care Congress, Honolulu, HI.
47. Fong, J., Sylvia, L., Ruthazer, R., Schumaker, G., KComt, M., **Devlin, J.W.**, [2008, February]. *Predictors of mortality in patients with propofol infusion syndrome*. Presented at the Society of Critical Care Medicine's 2008 Critical Care Congress, Honolulu, HI.
46. Olsen, K.M., **Devlin, J.W.** [2008, February]. *Comparison of oral and intravenous lansoprazole pharmacodynamic response in the critically ill*. Presented at the Society of Critical Care Medicine's 2008 Crit Care Congress, Honolulu, HI.
45. Lancaster, J., Lawrence, K., Fong, J., Doron, S., Garpestad, E., **Devlin, J.W.** [2008, February]. *Impact of an institutional hospital-acquired pneumonia protocol on the appropriateness of antibiotic therapy and patient outcomes*. Presented at the Society of Critical Care Medicine's 2008 Critical Care Congress, Honolulu, HI.
44. **Devlin, J.W.**, Fong, J., Schumaker, G., Ruthazer, R., O'Connor, H. & Garpestad, E. [2007, February]. *Use of a validated delirium assessment tool improves the ability of physicians to recognize delirium in medical intensive care unit (MICU) patients*. Accepted for platform presentation at the Society of Critical Care Medicine's 2007 Critical Care

Congress, Orlando, FL.

43. **Devlin, J.W.**, Marquis, F., Riker, R., Bruce, H., Robbins, T., Fong, J., Garpestad, E., Didomenico, D., Yasuda, C. & Skrobik, Y. [2007, February]. *Challenges in recognizing delirium: Impact of scenario-based education on nursing bedside assessment*. Accepted for poster presentation at the Society of Critical Care Medicine's 2007 Critical Care Congress, Orlando, FL.

42. **Devlin, J.W.**, Nava, S., Bahhady, I. & Hill, N. [2007, February]. *Survey of sedation practices for noninvasive positive-pressure ventilation to treat acute respiratory failure*. Accepted for poster presentation at the Society of Critical Care Medicine's 2007 Critical Care Congress, Orlando, FL.

41. Fong, J., Cecere, K., Unterborn, J., Garpestad, E., Klee, M. & **Devlin, J.W.** [2007, February]. *Characterizing compliance variability among three different severe sepsis bundles at an academic medical center*. Accepted for poster presentation at the Society of Critical Care Medicine's 2007 Critical Care Congress, Orlando, FL.)

40. Fong, J., Kanji, S., Garpestad, E., Dasta, J., Turbett, A. & **Devlin, J.W.** [2007, February]. *Propofol is associated with a shorter duration of mechanical ventilation than scheduled intermittent lorazepam in both medical and surgical intensive \ care unit patients*. Accepted for poster presentation at the Society of Critical Care Medicine's 2007 Critical Care Congress, Orlando, FL.

39. Lancaster, J., Fong, J.J., Lawrence, K., Doron, S. & **Devlin, J.W.** [2006, December]. *Impact of institutional hospital-associated pneumonia treatment guidelines on the appropriateness of initial antibiotic selection and subsequent antibiotic de-escalation*. Accepted for poster presentation at the 2006 American Society of Health System Pharmacist's Clinical Midyear Meeting, Anaheim, CA.

38. **Devlin, J.W.**, Metz, D.C., Vakily, M., Atkinson, S. & Lloyd, E. [2006, October]. *Administering lansoprazole as a two-minute intravenous injection provides a similar pharmacokinetic, pharmacodynamic, and safety profile as a 30-minute infusion*. Poster presented at the American College of Clinical Pharmacy's 2006 Annual Meeting, St. Louis, MO.

37. Qualter, D., Van Amburgh, J., **Devlin, J.W.** & Kirwin, J. [2006, October]. *Capture the action! Development of a valid and reliable active learning inventory tool*. Platform presentation at the POD Network Conference, Portland, OR.

36. **Devlin, J.W.**, VanAmburgh, J., Kirwin, J. & Qualter, D. [2006, July]. *To do or not to do: Faculty perceptions of active learning in large classes*. Poster presented at the American Association of Colleges of Pharmacy 2006 Annual Meeting, San Diego, CA.

35. VanAmburgh, J., **Devlin, J.W.**, Kirwin, J. & Qualter, D. [2006, July]. *Capturing the action! Development of a valid and reliable active learning inventory tool*. Poster presented at the American Association of Colleges of Pharmacy 2005 Annual Meeting, San Diego, CA.

34. Divall, M., **Devlin, J.W.**, Douglass, M., Gonyeau, M., Pomfret & T. & Trujillo, J. [2006, July]. *Enhancing students' ability to identify and manage drug-related problems throughout a therapeutics course series*. Poster presented at the American Association of Colleges of Pharmacy 2006 Annual Meeting, San Diego, CA.

33. Gonyeau, M., **Devlin, J.W.**, Douglass, M., Divall, M., Pomfret, T. & Trujillo, J. [2006, July]. *Current practices and beliefs regarding the use of capstone experiences in U.S. schools of pharmacy*. Poster presented at the American Association of Colleges of Pharmacy 2006 Annual Meeting, San Diego, CA.

32. Cecere, K., Fong, J., Klee, M. & **Devlin, J.W.** [2005, December]. *Adherence to severe sepsis quality indicators at an academic medical center: A baseline analysis*. Poster presented at the American Society of Health System Pharmacist's 2005 Clinical Midyear Meeting, Las Vegas, NV.

31. Bakshi, A., Bungay, K.M., Olsen, K.M. & **Devlin, J.W.** [2005, October]. *An in vitro comparison of different providers to deliver four proton pump inhibitor (PPI) products through a feeding tube*. Poster presented at the American College of Clinical Pharmacy's 2005 Annual Meeting, San Francisco, CA.

30. Tanios, M.A., **Devlin, J.W.** & Epstein, S.K. [2005, May]. *Perceived barriers to implementing strategy of daily interruption of sedative in the intensive care unit for critically ill patients*. Platform presented at the American Thoracic Society's 2005 Annual Scientific Meeting. San Diego, CA.

29. **Devlin, J.W.**, Tanios, M. & Epstein, S. [2005, January]. *Current practices, beliefs and attitudes on sedation in the intensive care unit using a large scale national survey*. Poster presented at the Society of Critical Care Medicine's 2005 Congress, Phoenix, AZ.

28. Kane, S., **Devlin, J.W.** & Cohen, H. [2005, January]. *A national survey of adverse medication reporting and assessment practices in the intensive care unit (ICU)*. Poster presented at the Society of Critical Care Medicine's 2005 Congress, Phoenix, AZ.

27. MacLaren, R., Bond, C.A., **Devlin, J.W.** & Martin, S. [2005, January]. *A national survey characterizing the current practice of critical care pharmacists*. Poster presented at the Society of Critical Care Medicine's 2005 Congress, Phoenix, AZ.

26. Napoli, K.N., VanAmburgh, K. & **Devlin, J.W.** [2004, December]. *Impact of a clinical pharmacist providing collaborative care on clinical outcomes in a population of patients with diabetes at an urban community health center*. Poster presented at

the American Society of Health System Pharmacist's 2004 Clinical Midyear Meeting, Orlando, FL.

25. **Devlin, J.W.**, Lau, A.K. & Tanios, M. [2004, October]. *Propofol-associated hypertriglyceridemia and pancreatitis: An incidence and risk factor analysis*. Platform presentation at the American College of Clinical Pharmacy's 2004 Annual Meeting, Dallas, TX.
24. Ahrens, C.L., Barletta, J.F., Kanji, S., Tyburski, J.G., Wilson, R.F., Simmons, S. & **Devlin, J.W.** [2003, January]. *The effect of a hypocaloric parenteral nutrition regimen on the incidence of hyperglycemia and insulin requirements in surgical patients*. Poster presented at the Society of Critical Care Medicine's 2003 Critical Care Congress, San Antonio, TX.
23. Seta, M., Somerville, A. & **Devlin, J.W.** [2003, January]. *A retrospective analysis of the effects of fenoldopam versus nitroprusside on blood pressure, renal function, toxicity, and hospital costs in patients admitted with hypertensive emergencies*. Poster presented at the Society of Critical Care Medicine's 2003 Critical Care Congress, San Antonio, TX.
22. Nguyen, C., Barletta, J.F. & **Devlin, J.W.** [2002, December]. *A national survey of acid suppression prescribing practice in the acutely ill*. Poster presented at the American Society of Health System Pharmacist's 2002 Clinical Midyear Meeting, Atlanta, GA.
21. Kanji, S., Betancourt, M., Kruse, J.A. & **Devlin, J.W.** [2002, April]. *Validating the use of ICD-9 based search strategies to identify patients with severe sepsis who may be candidates for drotrecogin alfa (activated) therapy*. Presented at the American College of Clinical Pharmacy's 2002 Spring Practice and Research Meeting, Savannah, GA.
20. Kanji, S., McKinnon, P.S., Barletta, J.F., Kruse, J.A. & **Devlin, J.W.** [2002, January]. *Bioavailability of gatifloxacin by nasogastric administration with and without concomitant enteral feeding in critically ill patients*. Poster presented at the Society of Critical Care Medicine's 2002 Critical Care Congress, San Diego, CA.
19. Delgado, G., Barletta, J.F., Kanji, S., Tyburski, J.G., Wilson, R.F. & **Devlin, J.W.** [2002, January]. *Characteristics of prophylactic antibiotic strategies following penetrating abdominal trauma at a level one urban trauma center: A comparison to the EAST Guidelines*. Paper presented at the Eastern Association for the Surgery of Trauma's 2002 Scientific Meeting, Orlando, FL.
18. Tyburski, J.G., Dente, C., Wilson, R.F., Steffes, C., **Devlin, J.W.**, Carlin, A., Shanti, C. [2001, March]. *Differences in arterial and mixed venous IL-6 Levels: The lungs as a source of cytokine storm in sepsis*. Paper presented at the Central Surgical Association's 2001 Annual Scientific Meeting, Tucson, AZ.
17. Kanji, S., Barletta, J.F., Janisse, J.J. & **Devlin, J.W.** [2001, February]. *Continuous cisatracurium therapy requires greater dose increases over time than continuous pancuronium therapy*. Poster presented at the Society of Critical Care Medicine's 2001 Critical Care Congress, San Francisco, CA.
16. Diebel, L.N., Liberati, D.M., Brown, W.J., Painter, T., Dulchavsky, S.A. & **Devlin, J.W.** [2000, November]. *IGA protease is a virulence factor for gram negative pneumonia*. Paper presented at the Western Trauma Association's 2000 Annual Scientific Meeting, Big Sky, MT.
15. Marie, A., **Devlin, J.W.**, Barletta, J., McKinnon, P.S. & Rybak, M.R. [2000, October]. *Expected cost savings not realized with the addition of oral levofloxacin to the formulary at a tertiary, level 1 trauma center*. Poster presented at the 2000 Annual Meeting of the American College of Clinical Pharmacists, Los Angeles, CA.
14. McKinnon, P.S., Goff, D., Kern, J., **Devlin, J.W.**, Sierawski, S., Barletta, J., Mosenthal, A., Kaul, S., Patel P., Gore P., Ambegaonkar, A.J. & Lubowski, T.J. [2000, September]. *A multicenter analysis of the temporal relationship between candidemia risk factors, candida colonization and infection, and antifungal therapy in surgical intensive care unit (SICU) patients*. Platform presented at the 2000 International Congress of Antimicrobials and Chemotherapy, Chicago, IL.
13. Douglass, M.A., Tran, A.H., **Devlin, J.W.** & Racine, E. [2000, April]. *Inter-hospital comparison of quality indicators for a pharmacist-managed anticoagulation service within a large academic health system*. Poster presented at the 2000 Spring Meeting of the Annual Meeting of the American College of Clinical Pharmacists, Monterey, CA.
12. **Devlin, J.W.**, Coplin, W.M., Swarczinski, C., Leacock, R., Lewis, R. & Kruse, J.A. [2000, January]. *Reliability of nursing train-of-four assessment for ICU patients receiving continuous neuromuscular blockade*. Poster presented at the Society of Critical Care Medicine's 2000 Critical Care Congress, Orlando, FL.
11. **Devlin, J.W.**, Coplin, W.M., Swarczinski, C., Leacock, R., Lewis, R. & Kruse, J.A. [2000, January]. *Validity of nursing train-of-four assessment for ICU patients receiving continuous neuromuscular blockade*. Poster presented at the Society of Critical Care Medicine's 2000 Critical Care Congress, Orlando, FL.
10. Claire, K.S., **Devlin, J.W.**, Higgins, B., Smolarek, R.T. & Wilczack, J. [1999, December]. *Use of a structured survey of anesthesia providers to develop consensus guidelines for the perioperative use of neuromuscular blockers*. Poster presented at the American Society of Health System Pharmacist's 1999 Clinical Midyear Meeting, Orlando, FL.
9. **Devlin, J.W.**, Tyburski, J., & Moed, B. [1999, October]. *Implementation and evaluation of enoxaparin deep vein thrombosis prophylaxis guidelines after major trauma*. Poster presented at the 1999 Annual Meeting of the American College of Clinical Pharmacists, Kansas City, MO.
8. Claire, K.S., Renaud, E.A. & **Devlin, J.W.** [1998, December]. *Standardization of pain management across an eight hospital health system*. Poster presented at the American Society of Health System Pharmacist's 1998 Clinical Midyear

Meeting, New Orleans, LA.

7. **Devlin, J.W.**, Claire, K.S., Karmo, N.B., Dulchavsky, S. & Tyburski, J.M. [1998, October]. *Impact of trauma stress ulcer prophylaxis guidelines on drug use and incidence of major gastrointestinal bleeding*. Platform presented at the 1998 Annual Meeting of the American College of Clinical Pharmacists, Cincinnati, OH.
6. **Devlin, J.W.**, Boleski, G., Mlynarek, M., Nerenz, D., Peterson, E., Horst, H.M. & Zarowitz B.J. [1998, January]. *The Motor Activity Assessment Scale: A valid and reliable sedation scale for use in adult, mechanically ventilated, surgical ICU patients*. Platform presented at the Society of Critical Care Medicine's 1998 Critical Care Congress, San Antonio, TX.
5. Mazur, J.E., **Devlin, J.W.**, Peters, M.J., Iannuzzi, M.C. & Zarowitz, B.J. [1998, January]. *Single versus multiple doses of acetazolamide for metabolic alkalosis in critically ill medical patients: A randomized, double-blind trial*. Poster presented at the Society of Critical Care Medicine's 1998 Critical Care Congress, San Antonio, TX
4. **Devlin, J.W.**, Peters, M., Ulep, S., Ben-Menachem, T., Fogel, R. & Zarowitz, B.J. [1997, October]. *Stress ulcer prophylaxis in medical ICU patients: Annual utilization in relation to the incidence of endoscopically-proven stress-related gastritis over a four year period*. Poster presented at the 1997 Annual Meeting of the American College of Clinical Pharmacists, Phoenix, AZ.
3. **Devlin, J.W.**, Pettita, A., Shepard, A. & Obeid, F.N. [1997, October]. *Cost-effectiveness of enoxaparin versus low-dose heparin in the prevention of venous thromboembolism after major trauma*. Poster presented at the 1997 Annual Meeting of the American College of Clinical Pharmacists, Phoenix, AZ.
2. **Devlin, J.W.**, Holbrook, A.M. & Fuller, H.D. [1997, February]. *The effect of evidence-based sedation guidelines on clinical outcomes and drug cost*. Poster presented at the Society of Critical Care Medicine's 1997 Critical Care Congress, San Diego, CA.
1. **Devlin, J.W.**, Mlynarek, M., Peters, M., Slavik, R., Horst, M., Hyzy, R. & Zarowitz, B.J. [1997, February]. *Drug-related admissions to intensive care units*. Poster presented at the Society of Critical Care Medicine's 1997 Critical Care Congress, San Diego, CA

Invited Lectures

International

21. *Managing ICU Pain and Agitation: Maintaining Patient Wakefulness and Reducing Delirium and PICS*. To be presented at the 49th Annual Meeting of the Japanese Society of Intensive Care Medicine. Tokyo, Japan [January 2022](virtual)
20. *Strategies to reduce delirium when optimizing ICU comfort and safety*. Presented at the 17th Annual European Delirium Society, Barcelona, Spain [November 2021](virtual)
19. *Ideal sedatives and analgesics to prevent and treat ICU delirium*. Presented at the Best of SCCM Congress. Abu Dhabi, SAE [November 2021](virtual)
18. *Optimizing ICU sedation: Maintaining patient wakefulness and reducing delirium*, Presented at the Associao de Medicina Intensiva Brasileiros National Congress. San Paulo, Brazil [November 2021](virtual)
17. a. *Implementing the 2018 SCCM PADIS guidelines (plenary)*. b. *Common challenges to effective ABCDEF bundle implementation*. c. *Is the use of antipsychotics to prevent or treat delirium still valid?* d. *Analgo-sedation in special situations* e. *Is good sleep quality possible in critically ill patients?* Presented at the Associao de Medicina Intensiva Brasileiros National Congress. Fortaleza, Brazil [November 2019]
16. *Adapting the 2018 SCCM PADIS guideline to reduce delirium*. Presented at the 2019 European Society of Intensive Care Medicine Congress. Berlin, Germany [September 2019]
15. *Reducing delirium through application of the 2018 PADIS guidelines*. Presented at the 2018 European Delirium Society Meeting. Utrecht, NL [November 2018]
14. *Key considerations when designing and conducting a medication-focused delirium clinical trial*. Presented at the 2017 European Delirium Society Meeting. Oslo, Norway [November 2017]
13. *Clarifying the confusion surrounding drug associated delirium in the ICU*: Presented at the 2015 European Delirium Society Annual Meeting. London, UK [September 2015]
12. *Critical care pharmacists: a key resource to improve drug-associated outcomes in British ICUs*. Critical care rounds. St Thomas's Hospital, London, UK [September 2015]
11. *Controversies surrounding the prevention and treatment of delirium in critically ill adults*. Critical care grand rounds: University College Hospital, London, UK [September 2015]
10. *Optimizing strategies to prevent coma and delirium in the ICU*. Presented at 2013 Dutch National Symposium on Critical Care, Ede, NL [February 2013]
9. *Highlights of the 2012 SCCM pain, agitation and delirium consensus guidelines*. Invited presentation at the 2012 Canadian ICU Collaborative Annual Meeting, Toronto, ON [May 2012]
8. *ICU Delirium: pharmacologic prevention and treatment*. Invited presentation at the 30th International Symposium and Intensive Care and Emergency Medicine, Brussels, Belgium [March 2012]

7. *Optimizing sedation in the ICU: The importance of the multidisciplinary team.* Invited presentation at the 30th International Symposium and Intensive Care and Emergency Medicine, Brussels, Belgium [March 2012]
6. *The interaction between sedation drug cost and long term patient outcome.* Invited presentation at the 30th International Symposium and Intensive Care and Emergency Medicine. Brussels, Belgium [March 2012]
5. *Economics in sedation: Responsible use of the ICU budget.* Presented as part as an International Consensus Conference: Acute Care Sedation: Targeting Delirium and Duration at the Canadian Critical Care Forum. Toronto, Canada [November 2011]
4. *The cost of appropriate sedation in the ICU.* Invited presentation at the Canadian Critical Care Forum. Toronto, Canada [November 2010]
3. *Therapeutic Debate: Why propofol should be the first-line sedative in mechanically ventilated patients.* Invited presentation at the Canadian Critical Care Forum. Toronto, Canada [November, 2010]
2. *Cost considerations when optimizing sedation in the ICU.* Invited presentation at the 33rd annual meeting of the Mexican Society of Critical Care Medicine. Monterrey, Mexico. [September, 2010]
 1. *The interface between sleep and delirium in the critically ill.* Invited presentation at the Annual Congress of the European Respiratory Society. Vienna, Austria. [September, 2009].

National

59. *Strategies to Reduce Medication Overload when Optimizing Comfort in the ICU.* Scheduled to present at the American Thoracic Society's World Congress, Philadelphia, PA [May 2021]
58. *50 Years of Clinical Practice Guidelines in Critical Care Medicine: What About Older Adults?* Presented at the Society of Critical Care Medicine's 2021 Virtual Critical Care Congress [February 2021]
57. *Build a Bundle: More Than Just Common Sense.* Presented at the Society of Critical Care Medicine's 2021 Virtual Critical Care Congress [February 2021]
56. *Reducing delirium in critically ill adults with COVID-19.* Presented at the American Delirium Society's 2020 Virtual Annual meeting [June 2020]
55. *Opioid-free analgesia in the ICU: Ketamine, Lidocaine, Gapentin.* Presented at the Society of Critical Care Medicine's Critical Care Congress, Orlando, FL [February 2020]
54. *Ideal sedatives and analgesics to prevent and treat ICU delirium.* Presented at the Society of Critical Care Medicine's Critical Care Congress, Orlando, FL [February 2020]
53. *Good sleep hygiene.* Presented at the Society of Critical Care Medicine's Critical Care Congress, Orlando, FL [February 2020]
52. *Updates in ICU delirium: Insights from the PADIS guidelines.* Presented at CHEST 2019 – the Annual Meeting of the American College of Chest Physicians. New Orleans, LA [October 2019]
51. *Delirium prevention and treatment: current evidence gaps.* Presented at the NIA's NIDUS 7th Annual Delirium Boot Camp. State College, PA [October 2019]
50. *a. A: Assess, prevent, and manage pain. B. D: Delirium: Assessment, prevent and manage. C. Integration of good sleep hygiene.* Presented at the Society of Critical Care Medicine's 2019 ICU Liberation Conference, Nashville, TN [September 2019]
49. *Multimodal analgesia.* Presented at the American Thoracic Society's World Congress, Dallas, TX [May 2019]
48. *Unintended consequences of measure enforcement.* Presented at the Society of Critical Care Medicine's Critical Care Congress, San Diego, CA [February 2019]
47. *The 2018 SCCM PADIS guidelines.* Presented at the Society of Critical Care Medicine's Critical Care Congress, San Diego, CA [February 2019]
46. *Multimodal analgesia.* Presented at the Society of Critical Care Medicine's Critical Care Congress, San Diego, CA [February 2019]
45. *Delirium reduction.* Presented at the Society of Critical Care Medicine's Critical Care Congress, San Diego CA [February 2019]
44. *The 2018 PADIS Guideline: Boosting efforts to reduce pain, oversedation, delirium, immobility and disrupted sleep in the ICU.* Co-Chair Full-Day Clinical Reasoning Series. Presented at the Annual Meeting of the American College of Clinical Pharmacy. Seattle, WA [October 2018].
43. *Detection and management of delirium.* Presented at the American Transplant Congress. Seattle, WA [June 2018]
42. *The 2018 SCCM PADIS guidelines: what's new?* Presented at the American Delirium Society's 2018 Annual Meeting, San Francisco, CA [June 2018]
41. *The role for antipsychotic therapy for delirium. Debate: Con.* Presented at the American Delirium Society's 2018 Annual Meeting, San Francisco, CA [June 2018]

40. *The war on drugs: optimizing sedation for the older adult in the ICU.* Presented at the Society of Critical Care Medicine's 2018 Critical Care Congress, San Antonio, TX [January 2018]
39. *Delirium prevention and treatment.* Presented at the Society of Critical Care Medicine's ICU Liberation Conference. Nashville TN [September 2017]
38. *Pain assessment and treatment.* Presented at the Society of Critical Care Medicine's ICU Liberation Conference. Nashville TN [September 2017]
37. *Choice of sedation.* Presented at the Society of Critical Care Medicine's ICU Liberation Conference. Nashville TN [September 2015]
36. *Pain, agitation and delirium: Beyond the guidelines.* Presented at the Society of Critical Care Medicine's 2015 Critical Care Congress, Phoenix, AZ [January 2015]
35. *Reducing adverse drug events in critically ill older adults.* Presented at the Society of Critical Care Medicine's 2015 Critical Care Congress, Phoenix, AZ [January 2015]
34. *Optimizing delirium recognition and prevention in the critically ill.* Presented at the American Society of Health System Pharmacists 2013 Clinical Midyear Meeting, Anaheim, CA [December 2013]
33. *Understanding factors that affect sleep quality in the ICU.* Presented at the Society of Critical Care Medicine's 2014 Critical Care Congress, San Francisco, CA [January 2014]
32. *Implementing the 2013 ICU pain, agitation and delirium guidelines. Opportunities for pharmacists to lead interdisciplinary change.* Presented at the American Society of Health System Pharmacists 2012 Clinical Midyear Meeting, Orlando, FL [December 2013]
31. *The 2013 PAD guidelines: Clarifying the evidence and establishing pharmacist's priorities.* Presented at the American Society of Health System Pharmacists 2012 Clinical Midyear Meeting, Orlando, FL [December 2013]
30. *The Pharmacist's role in implementing the new pain, agitation, delirium guidelines in the critical care setting.* Presented at the American Society of Health System Pharmacists 2012 Clinical Midyear Meeting, Las Vegas, NV [December 2012]
29. *Securing grant funding for clinical research: stories of success.* Presented at the 2012 Annual Meeting of the American College of Clinical Pharmacists. Hollywood, FL [October 2012]
28. *Update on preventing and treating delirium in the critically ill.* Presented at the American Society of Health System Pharmacists 2011 Clinical Midyear Meeting, New Orleans, LA [December 2011]
27. *Recognizing, preventing and treating delirium in the critically ill.* Presented at the 2011 Annual Meeting of the American College of Clinical Pharmacists. Pittsburgh, PA [October 2011]
26. *State-of-the-Art sedation management: It's as easy as ABCDE.* Presented at the 2011 American Association of Critical-Care Nurses (AACN) National Teaching Institute, Chicago, IL [May 2011]
25. *Pharmacologic mechanisms of immunosedation: opioids and alpha agonists.* Presented at the Society of Critical Care Medicine's 2011 Critical Care Congress, San Diego, CA [January 2011]
24. *Therapeutic debate. Dexmedetomidine should be used as the initial sedative in mechanically ventilated patients in the ICU: Pro.* Presented at the American Society of Health System Pharmacists 2010 Clinical Midyear Meeting, Anaheim, CA [December 2010]
23. *Delirium in the critically ill: The pharmacist's role in identification, prevention and treatment.* Presented at the American Society of Health System Pharmacists 2010 Clinical Midyear Meeting, Anaheim, CA [December 2010]
22. *Delirium identification and treatment in the ICU.* Presented at the American Society of Health System Pharmacists 2010 Clinical Midyear Meeting, Anaheim, CA [December 2010]
21. *Haloperidol is the "go to" drug for delirium: but are atypicals a better option?* Presented at the at the Society of Critical Care Medicine's 2010 Critical Care Congress, Miami, FL [January 2010]
20. *Treating agitation and delirium: providing clarity to an alphabet soup of potential options.* Presented at the at the Society of Critical Care Medicine's 2010 Critical Care Congress, Miami, FL [January 2010]
19. *Perspectives on serious adverse events with proton pump inhibitors.* Presented at the American College of Clinical Pharmacy's 2008 Annual Meeting. Louisville, KY. [2008, October].
18. *Optimizing strategies to reduce the incidence of oversedation in your ICU.* Presented as a web-based conference to VHA's quarterly TICU quality improvement educational series. [2008, May]
17. *Debate: What is the optimal sedation regimen for patients mechanically ventilated > 24 hours: Demedetomidine vs benzodiazepines vs propofol?* Presented at the Society of Critical Care Medicine 2008 Pharmacotherapy Symposium. Philadelphia, PA (also served as symposium chair) [2008, March]
16. *Atypical presentations of GERD in older patients.* Presented as a national teleconference via Princeton CME. [2008 February].
15. *Scoring systems to optimize sedation.* Presented at the at the Society of Critical Care Medicine's 2008 Critical Care Congress, Honolulu, HI [February 2008]

14. *Best ICU practices: Delirium screening*. Presented at the 36th Congress of the Society of Critical Care Medicine. Orlando, FL. [2007, February].
13. *Developing a programmatic approach to your research*. Presented at a Pre-congress Research Symposium prior to the 36th Congress of the Society of Critical Care Medicine. Orlando, FL. [2007, February].
12. *Acute agitation or is it delirium?* Presented in a Pre-meeting Symposium: Current controversies in critical care pharmacotherapy: Incorporating evidence into practice the American College of Clinical Pharmacy's 2006 Annual Meeting. St. Louis, MO. [2006, October].
11. *Sedation titration – Are sedation scores enough or should EEG monitoring be used?* Presented at Society of Critical Care Medicine's 2005 Pharmacotherapy Symposium. Chicago, IL. [2005, November].
10. *Immunomodulating effects of commonly used ICU drugs: Lipid-based products*. Presented at the Society of Critical Care Medicine's 2005 Congress, Phoenix, AZ. [2005, January].
9. *Pharmacology year in review: Sedation, analgesia, and delirium*. Presented at the Society of Critical Care Medicine's 2005 Congress, Phoenix, AZ. [2005, January].
8. *Optimizing acid suppressive therapy for the critically ill patient: Treatment options and formulary considerations*. Presented as a Pre-Meeting Symposium at the 2004 American Society of Health System Pharmacist's Clinical Midyear Meeting, Orlando, FL (also served as symposium chair) [2004, December].
7. *Intravenous proton pump inhibitors for the treatment and prevention of upper gastrointestinal bleeding: Exploring the controversies*. Presented as a Pre-Meeting Symposia at the 2003 American Society Health System Pharmacist's Clinical Midyear Meeting, New Orleans, LA. (also served as symposium chair) [2003, December].
6. *Clinical trial design*. Presented as part of The Pharmacotherapy Preparatory Course at the American College of Clinical Pharmacy's 2003 Spring Practice and Research Meeting. Palm Springs, CA [2003, April].
5. *Controversies in the management of upper gastrointestinal bleeding*: Presented as a Pre-Meeting Symposia at the American College of Clinical Pharmacy's 2003 Spring Practice and Research Meeting, Palm Springs, CA. (also served as symposium chair) [2003, April].
4. Critical care guideline review: *Neuromuscular blockade in critically ill patients*. Presented at the American College of Clinical Pharmacy's 2002 Spring Practice and Research Meeting. Savannah, GA. [2002, April].
3. *Optimizing acid suppressive therapy in acutely ill patients: When the proton pump inhibitors come marching in*. Presented as a Pre-Meeting Symposium at the 2001 American Society of Health System Pharmacist's Clinical Midyear Meeting, New Orleans, LA (also served as symposium chair) [2001, December].
2. *Optimizing DVT prophylaxis in the critically ill*. Presented at the Society of Critical Care Medicine's 2001 Critical Care Congress, San Francisco, CA. [2001, February].
1. *Optimizing DVT prophylaxis in surgical patients: Avoid rolling the dice!* Presented as a Pre-Symposium at the 2000 American Society of Health System Pharmacist's Midyear Clinical Meeting: Contemporary antithrombotic therapy: Evaluating the clinical and economic outcomes. Las Vegas, NV. [2000, December].

SERVICE AND PROFESSIONAL DEVELOPMENT

Editorial Board Activities

2005-Present	Critical Care Medicine, Editorial Board (reappointed in 2020 to a 6th, 3-year term)
2007-Present	Pharmacotherapy, Editorial Board (reappointed in 2019 to a 5th, 3-year team)
2003-2009	Annals of Pharmacotherapy, Chair, Critical Care Editorial Advisory Panel
2003-2011	Pharmacy Practice News, Critical Care Editor

Reviewing Activities

2017-present	Lancet, New England Journal Medicine, JAMA
2017	Grant reviewer, the Canadian Frailty Network.
2013	Grant reviewer, Singapore National Medical Research Council
2012	Grant reviewer, Technology Evaluation in the Elderly Network, Health Canada
2012, 2013	Grant reviewer, Netherlands Organisation for Scientific Research (NWO)
2011	Cochrane Collaboration. SARGS group. Methods paper: Prevention of delirium in the ICU.
2010	Grant reviewer, German Ministry of Health.
2008	Grant reviewer, 2008 New Investigator Program, American Association of Colleges of Pharmacy Best Poster Review Committee, 2008 ACCP Annual Meeting
2007	Grant reviewer, Canadian Institute for Health Research, Health Canada

2005	American College of Clinical Pharmacy, Gastrointestinal Investigator Development Research Award, grant reviewer.
2005-2008	Society of Critical Care Medicine, Pharmacy Fellowship Grant, grant reviewer
2004	American College of Clinical Pharmacy PSAP-V Reviewer for "Literature Evaluation" in Science and Practice of Pharmacotherapy I.
2003-2009	Annals of Pharmacotherapy, Chair, Critical Care Editorial Advisory Panel
1999-2003	Annals of Pharmacotherapy, Critical Care Editorial Advisory Panel
1999-Present	Society Critical Care Medicine, abstract reviewer.
1997-Present	Pharmacotherapy, manuscript reviewer.
1997-Present	Critical Care Medicine, manuscript reviewer.
1997-Present	American College of Clinical Pharmacy, abstract reviewer.
1997-Present	Canadian Journal of Hospital Pharmacy, manuscript reviewer
1998	ADIS Press, Discern-Insight Series: "Rational Use of Sedating Agents in the ICU", chapter reviewer.
1997	American Society of Health-System Pharmacists Guidelines for Stress Ulcer Prophylaxis, reviewer.

Consultations/Committees

2021-2025	Co-Director, Network for Investigation of Delirium: Unifying Scientists (NIDUS) 9 th to 13 th Annual Delirium Bootcamps
2021-	Member, ATS 2021 Working Group: Causes, consequences, and treatments of sleep and circadian disruption in the ICU
2020-2021	Regent, American College of Critical Care Medicine
2019-2020	Past-president, American Delirium Society
2019-2020	Executive Council, Lownt Institute Polypharmacy Initiative
2019-2020	Steering Committee, AARP/ A&D Delirium Reduction Initiative
2019-2020	FDA Sceptre ICU Sedation Advisory Panel
2018-2019	President, American Delirium Society and Co-Chair 2019 Annual Meeting (Boston, MA)
2017-2021	Advisory Board, Network for Investigation of Delirium: Unifying Scientists (NIDUS)
2017-2018	President-elect, American Delirium Society
2016-	Member, Aging/Geriatrics Working Group (AGWG), American Thoracic Society
2016-present	Board Member, American Delirium Society
2015	Member, National Institute of Aging/American Geriatric Society U-38 Conference: Sleep in older adults: Finding order in the disorder. Bethesda, MD, October 2014.
2014-2018	Member, Society of Critical Care Medicine ICU Liberation Research Group.
2014-2018	Chair, Society of Critical Care Medicine's International Pain, Agitation, Delirium, Early Mobilization and Sleep Clinical Practice Guidelines for Critically Ill Adults.
2014-2015	Member, Betsy Lehman Center/State of Massachusetts Patient Safety in Long Term Care Task Force
2014	Member, National Institute of Aging/American Geriatric Society U-38 Conference: Delirium in older adults: Finding order in the disorder. Bethesda, MD, February 2014.
2011	International Consensus Conference: Acute Care Sedation: Targeting Delirium Duration (being run by the Canada Critical Care Forum)
2011-13	Nominations Committee, Society of Critical Care Medicine, member
2008	Delirium chapter and treatment algorithm. VISICU Incorporated. Invited guest. Canadian Critical Care Trials Group Annual Meeting.
2005-2013	American College of Critical Care Guidelines for the Recognition, Prevention and Treatment of Pain, Agitation and Delirium in Adult ICU Patients
2005-2006	Society of Critical Care Medicine Research Committee.
2005-2006	Society of Critical Care Medicine Critical Care Manpower Task Force.
2005-2008	American College of Critical Care Medicine Outcomes and Investigations Committee.
2005-2008	Society of Critical Care Medicine Pharmacy Fellowship Grant Review Committee
2004-2008	American College of Critical Care Medicine Nominations Committee.
2003 – 2004	Chair, Clinical Pharmacy and Pharmacology Section, Society of Critical Care Medicine.
2001 – 2002	American College of Critical Care Medicine Task Force on ICU Restraints.

- 2000 – 2003 Society of Critical Care Medicine Membership Committee.
- 1998 – 2004 Advisory Board, Clinical Pharmacy and Pharmacology Section, Society of Critical Care Medicine.
- 1998 – 2000 Society of Critical Care Medicine Presidential Task Force on Member Communication.
- 1997-1998 American College of Clinical Pharmacy Educational Services Committee.

Service to the Community/Public

- 2005-Present Community Research Initiative of New England, board member
- 2003-2005 BAGLY, board member

TEACHING AND ADVISING

Northeastern University School of Pharmacy

Courses Currently Coordinated

- HLTH 1010 From the Community to the ICU: Approaches to Interdisciplinary Health in Aging Adults
- PMD U585 Research Methods for Hospital Pharmacists in Health Systems PMD G452
- Advanced Professional Practice Experience, Critical Care-Clinical PMD G452
- Advanced Professional Practice Experience, Critical Care-Research

Graduate Students

Population Health PhD Program, Bouve College of Health Sciences, Northeastern University, Boston, MA

- 2016- 2020 Matthew Duprey, PharmD, PhD (Primary Mentor)
- 2020-present Ting Ting Wu, PharmD (Primary Mentor)

Post-Doctoral Critical Care Pharmacy Fellows/PhD Students Trained

This program is in an intensive two year experience program consisting of hypothesis-driven clinical research and accompanying didactic training (80%), didactic and experiential teaching (15%) and clinical practice (5%).

- 2020-present Ting Ting Wu, PharmD (PhD Student)
- 2016-2020 Matthew Duprey, PharmD, PhD
- 2013-2015 Abdullah Al-Hammad, PharmD
- 2011-2013 Nada Alqadheeb, PharmD, FCCP
- 2007-2009 Russel Roberts, Pharm.D.
- 2005-2007 Jeffrey Fong, Pharm.D.
- 1999-2001 Sal Kanji. PharmD