

# Scott Bolesta, PharmD, BCCCP, FCCM, FCCP

Department of Pharmacy Practice  
Nesbitt College of Pharmacy and Nursing  
Wilkes University  
84 West South Street  
Wilkes-Barre, PA 18766  
(570) 408-4203  
[scott.bolesta@wilkes.edu](mailto:scott.bolesta@wilkes.edu)  
<https://staffweb.wilkes.edu/scott.bolesta/>

---

## Education and Training

### **Wilkes University Nesbitt School of Pharmacy Fellowship Program**

2024 – 2025      Nesbitt School of Pharmacy      Wilkes-Barre, PA

### **American Association of Colleges of Pharmacy Mid-Career Recharge Program**

2023 – 2024      American Association of Colleges of Pharmacy      Arlington, VA

### **American College of Clinical Pharmacy Professional Leadership Development Program**

2022 – 2023      American College of Clinical Pharmacy      Lenexa, KS

### **Precision Medicine Conference**

University of Florida College of Pharmacy  
March 2016      University of Florida      Orlando, FL

### **Graduate Summer Institute of Epidemiology and Biostatistics**

Bloomberg School of Public Health  
July 2015      The Johns Hopkins University      Baltimore, MD

### **The SHARE Approach: Essential Steps of Shared Decision Making**

Funded by Agency for Healthcare Research and Quality (AHRQ)  
May 2015      Pennsylvania Medical Society      Harrisburg, PA

### **Focused Investigator Training (FIT) Program**

July 2014      American College of Clinical Pharmacy Research Institute      Athens, GA

### **Team Strategies to Enhance Performance and Patient Safety (STEPPS) Master Training**

Funded by Agency for Healthcare Research and Quality (AHRQ)  
August 2013      North Shore Long Island Jewish Health System      New Hyde Park, NY

### **Critical Care Specialty Residency**

ASHP Accredited  
July 2001 – June 2002      University of Kentucky Medical Center      Lexington, KY

### **Pharmacy Practice Residency**

ASHP Accredited  
July 2000 – June 2001      University of Arizona Medical Center      Tucson, AZ

### **Doctor of Pharmacy**

Nesbitt School of Pharmacy      Wilkes University      Wilkes-Barre, PA  
May 2000

### Academic Appointments

#### Professor with Tenure

June 2022 – Present      Wilkes University      Wilkes-Barre, PA

#### Associate Professor with Tenure

June 2011 – May 2022      Wilkes University      Wilkes-Barre, PA

#### Assistant Professor

August 2005 – June 2011      Wilkes University      Wilkes-Barre, PA

#### Adjunct Assistant Professor

December 2004 – August 2005      Wilkes University      Wilkes-Barre, PA

### Professional Appointments

#### Director, Nesbitt School of Pharmacy Teaching Certificate Program

July 2024 – Present      Wilkes University      Wilkes-Barre, PA

#### Assistant Editor, DiPiro's Pharmacotherapy: A Pathophysiologic Approach

March 2020 – Present      McGraw-Hill      New York, NY

#### Clinical Pharmacist, Critical Care

May 2018 – Present      Wilkes-Barre General Hospital      Wilkes-Barre, PA

#### Visiting Investigator

June 2018 – 2019      Geisinger Heart Institute      Wilkes-Barre, PA

#### Clinical Pharmacist, Pharmacogenomics

January 2017 – May 2018      Geisinger      Forty-Fort, PA

#### Visiting Investigator, Center for Pharmacy Innovation and Outcomes

January 2016 – May 2018      Geisinger      Forty-Fort, PA

#### Clinical Pharmacist, Internal Medicine/Critical Care

August 2005 – June 2017      Regional Hospital of Scranton      Scranton, PA

#### Visiting Scientist, Genomic Medicine Institute

July 2015 – December 2015      Geisinger      Forty Fort, PA

#### Clinical Pharmacist, Critical Care and Cardiovascular Medicine

May 2003 – July 2005      Geisinger Medical Center      Danville, PA

#### Clinical Pharmacist, Critical Care

August 2002 – April 2003      Union Memorial Hospital      Baltimore, MD

### Professional Licenses/Certifications

- Board Certified Critical Care Pharmacist (valid until December 2029)

- Pharmacogenomics Certificate Course for Pharmacists (2016)

- Registered Pharmacist: Pennsylvania

- Basic Life Support (expires August 2024)
- Board Certified Pharmacotherapy Specialist 2008 – 2022

## Awards and Honors

- American College of Clinical Pharmacy, Critical Care Practice and Research Network, Publication of the Year: 2023
- Society of Critical Care Medicine Silver Snapshot Abstract Award: 2023
- Society of Critical Care Medicine Presidential Citation: 2009, 2012 – 2015, 2017, 2019
- Fellow of the American College of Clinical Pharmacy: 2018
- Fellow of the American College of Critical Care Medicine: 2014
- American College of Clinical Pharmacy Volunteer Recognition: 2011, 2013
- Mylan Pharmaceuticals Inc. Excellence in Pharmacy Award, 2000
- The Rho Chi Society, Pharmaceutical Honor Society, 2000
- Graduated *Summa Cum Laude*, Wilkes University

## Teaching Experience

### Experiential Education

PHA 599, Critical Care, 6 credit hours, 2 students per rotation block, Wilkes-Barre General Hospital, Wilkes-Barre, PA. Preceptor. June 2018 – Present.

PHA 510, Adult Internal Medicine Advanced Pharmacy Practice Experience, 6 credit hours, 2 students per rotation block, Wilkes-Barre General Hospital, Wilkes-Barre, PA. Preceptor. June 2021 – Present.

PHA 440, Introductory Pharmacy Practice Experience II, 1 credit hour, 2 students each week, Wilkes-Barre General Hospital, Wilkes-Barre, PA. Preceptor. Fall 2008 – Present.

PHA 555, Introductory Pharmacy Practice Experience IV (Intergenerational IPPE), Wilkes University. Preceptor. Fall 2022, Spring 2023.

PHA 599, Clinical Pharmacogenomics, 6 credit hours, 2 students per rotation block, Geisinger Precision Health Center, Fort-Fort, PA. Preceptor. July 2017 – April 2018.

PHA 510, Adult Internal Medicine Advanced Pharmacy Practice Experience, 6 credit hours, 2 students per rotation block, Regional Hospital of Scranton, Scranton, PA. Preceptor. Spring 2006 – June 2017.

PHA 445, Introductory Pharmacy Practice Experience III, 2 credit hours, 1 student every two weeks, Regional Hospital of Scranton, Scranton, PA. Preceptor. Summer 2013 – Summer 2014.

PHA 599A, Clinical Research Advanced Pharmacy Practice Experience, 6 credits, 1 student, Regional Hospital of Scranton, Scranton, PA. Preceptor. Spring 2008 – Spring 2014.

PHA 403, Introduction to Pharmacy Practice Experience, 1 credit hour, 2 students each week, Mercy Hospital, Scranton, PA. Preceptor. Fall 2006 – Fall 2007.

PHA 599, Adult Critical Care Medicine Advanced Pharmacy Practice Experience, 6 credit hours, 1 student per rotation block, Geisinger Medical Center, Danville, PA. Preceptor. May 2004 – May 2005.

### Didactic Education

PHA 310, Clinical Research and Design, 2 credits hours, 65 students, Wilkes University, Nesbitt School of Pharmacy. Lecture. Lecturer.

- “Intro to EBP; Drug Approval Process; Components and Validity of Clinical Research Studies,” Spring 2024 – Present
- “Race / Ethnicity / Gender Implication on Study Validity,” Spring 2024 – Present
- “Observational Designs: Case Reports, Case Series, Case- Control, Cohort, and Cross-sectional Studies,” Spring 2024 – Present
- “Randomized Controlled Trials,” Spring 2024 – Present
- “Quasi-experimental Designs,” Spring 2024 – Present
- “Interpreting Outcomes using ARR, RRR, NNT, NNH; Survival Analysis,” Spring 2024 – Present
- “Comparative Effectiveness Studies; Systematic Reviews; Meta-Analysis,” Spring 2024 – Present
- “Clinical Applications of Statistical Significance,” Spring 2024 – Present
- “Clinical Practice Guidelines,” Spring 2024 – Present
- “Ethics,” Spring 2024 – Present

PHA 423, Principles of Pharmacotherapeutics II, 2 credit hours, 65 students, Wilkes University, Nesbitt School of Pharmacy. Lecture. Lecturer.

- “Introduction to Pharmacogenomics,” Fall 2020 – Present
- “Pharmacogenomics Clinical Resources,” Fall 2018 – Present

PHA 428, Pharmacotherapeutics V: Infectious Diseases, 4 credit hours, 65 students, Wilkes University, Nesbitt School of Pharmacy, Lecture, Lecturer.

- “Meningitis,” Spring 2021 – Present
- “Sepsis and Septic Shock,” Spring 2021 – Present
- “Infective Endocarditis,” Spring 2021 – Present
- “Antimicrobial Prophylaxis in Surgery,” Spring 2021 – Present
- “Intra-abdominal Infections,” Spring 2021 – Present

PHA 502, Pharmaceutical Care Lab IV, 1 credit hour, 65 students, Wilkes University, Nesbitt School of Pharmacy. Clinical Lab. Facilitator.

- “TeamSTEPPS CUS IPE Lab,” Spring 2017 – Spring 2024
- “TeamSTEPPS SBAR and CUS IPE Lab,” Spring 2016 – Spring 2024
- “TeamSTEPPS Communication Tools,” Spring 2015
- “Orientation to the Clinical Nursing Simulation Center,” Spring 2014
- “Pediatric Respiratory Simulation,” Spring 2014
- “Interdisciplinary Cardiovascular Care,” Spring 2012 – Spring 2013
- “Provision of Pharmaceutical Care During Respiratory Urgencies,” Spring 2012 – Spring 2013
- “Provision of Pharmaceutical Care During Patient Urgencies and Emergencies,” Spring 2011

PHA 521. Pharmacotherapeutics VII: Pulmonary Disorders, 2 credit hours, 65 students, Wilkes University, Nesbitt School of Pharmacy. Lecture. Lecturer.

- “Inpatient Management of Asthma and COPD Exacerbations,” Fall 2020 – Present

PHA 523, Pharmacotherapeutics VIII: Cardiovascular Disorders, 4 credit hours, 65 students, Wilkes University, Nesbitt School of Pharmacy. Lecture. Co-Coordinator; Lecturer.

- “Coronary Artery Disease,” Fall 2013 – Present
- “Acute Coronary Syndromes,” Fall 2013 – Present
- “Cerebrovascular Accidents,” Fall 2013 – Present
- “Venous Thromboembolism,” Fall 2013 – Present
- “Acute Heart Failure,” Fall 2013 – Present
- “Arrhythmias,” Fall 2013 – Present

PHA 525, Pharmacotherapeutics IX: Pharmacotherapeutics of Renal Disorders, 2 credit hours, 65 students, Wilkes University, Nesbitt School of Pharmacy. Lecture. Co-Coordinator; Lecturer.

- “Acute Kidney Injury,” Fall 2005 – Present
- “Drug-Induced Kidney Disease,” Fall 2005 – Present
- “Drug Dosing in Kidney Disease,” Fall 2007 – Present
- “Chronic Kidney Disease,” Fall 2012, Fall 2018 – Present
- “Renal Replacement Therapy,” Fall 2018 – Present
- “Sodium and Water Disorders,” Fall 2012
- “Fluids and Electrolytes,” Fall 2012
- “Acid/Base Disorders,” Fall 2012

PHA 402, Pharmaceutical Care Lab II, 1 credit hour, 24 students, Wilkes University, Nesbitt School of Pharmacy. Clinical Lab. Facilitator for the Information Mastery series. Spring 2018 – Spring 2023

PHA 534, Introduction to Hospital Pharmacy Practice, 2 credit hours, up to 25 students, Wilkes University, Nesbitt School of Pharmacy. Lecture. Course Coordinator and lecturer. Fall 2008 – Spring 2023

PHA 435, Pharmacogenomics, 2 credit hours, up to 25 students, Wilkes University, Nesbitt College of Pharmacy. Lecture. Course Co-coordinator and lecturer. Spring 2017 – Spring 2022

PHA 411, Clinical Pharmacokinetics, 4 credit hours, 72 students, Wilkes University, Nesbitt College of Pharmacy. Lecture. Lecturer.

- “Clinical Pharmacogenomics,” Fall 2018 – Fall 2019

PHA 503, Longitudinal Care I, 1 credit hour, 8 students, Wilkes University, Nesbitt College of Pharmacy. Longitudinal Experience. Facilitator. Fall 2005 – Fall 2007, Fall 2014, Fall 2017, Fall 2020

PHA 504, Longitudinal Care II, 1 credit hour, 8 students, Wilkes University, Nesbitt College of Pharmacy. Longitudinal Experience. Facilitator. Spring 2006 – Spring 2008; Spring 2012; Spring 2015, Spring 2018, Spring 2020

PHA 401, Pharmaceutical Care Lab II, 1 credit hour, 72 students, Wilkes University, Nesbitt College of Pharmacy. Clinical Lab. Facilitator and Coordinator for the Physical Assessment series.

- PPCP Series, Fall 2017

- “Physical Assessment of the Gastrointestinal and Hepatic Systems,” Fall 2006 – Fall 2014.
- Physical Assessment Practical, Fall 2006 – Fall 2014
- “Introduction to Physical Assessment,” Fall 2011

PHA 403, Pharmaceutical Care Lab III, 1 credit hour, 65 students, Wilkes University, Nesbitt College of Pharmacy. Clinical Lab. Facilitator.

- “Pharmacokinetics,” Spring 2007 – Spring 2008

PHA 426, Pharmacotherapeutics IV: Pharmacotherapeutics of Gastrointestinal Disorders, 2 credit hours, 72 students, Wilkes University, Nesbitt College of Pharmacy. Lecture. Course Co-coordinator and Lecturer.

- “Peptic Ulcer Disease,” Spring 2008 – Spring 2016
- “Gastroesophageal Reflux Disease,” Spring 2008 – Spring 2016
- “Non-infectious Diarrhea,” Spring 2006 – Spring 2016
- “Constipation and Irritable Bowel Syndrome,” Spring 2006 – Spring 2016
- “Inflammatory Bowel Disease,” Spring 2006 – Spring 2016
- “Cirrhosis,” Spring 2006 – Spring 2016
- “Drug-Induced Liver Disease,” Spring 2006 – Spring 2016
- “Stress-Related Mucosal Disease,” Spring 2006 – Spring 2009
- “Upper GI Bleeding,” Spring 2008

BEGR 409, Introduction to Bioengineering, 3 credit hours, 9 students, Wilkes University, College of Science and Engineering. Lecture. Lecturer.

- “Bioengineering in Cardiac Surgery: Surgery or Mechanics.” Fall 2012 – Fall 2013.

PHA 501, Pharmaceutical Care Lab III, 1 credit hour, 72 students, Wilkes University, Nesbitt College of Pharmacy. Clinical Lab. Facilitator.

- “Congestive Heart Failure,” Fall 2005 – Fall 2011
- “Pharmacokinetics,” Fall 2007

NSG 533, Pharmacotherapeutics for Nurses, 3 credit hours, 16 students, Wilkes University, Nesbitt College of Pharmacy. Lecture. Lecturer.

- “Anemia,” Spring 2008
- “Constipation, Diarrhea and Irritable Bowel Syndrome,” Spring 2008
- “Gastroesophageal Reflux Disease and Peptic Ulcer Disease,” Spring 2006 – Spring 2008

PHA 411, Clinical Pharmacokinetics, 4 credit hours, 72 students, Wilkes University, Nesbitt College of Pharmacy. Lecture. Lecturer. Fall 2012.

PHA 302, Pharmaceutical Care Lab I, 1 credit hour, 65 students, Wilkes University, Nesbitt College of Pharmacy. Clinical Lab. Facilitator.

- “Pharmacist-Patient Consultation Program,” Spring 2006

PHA 342, Pharmacology II, 2 credit hours, 22 students, Pennsylvania College of Technology, Physician Assistant Program. Lecture. Lecturer. “Coronary Artery Disease and Arrhythmias,” Spring 2005.

PHR 929, Contemporary Aspects of Pharmacy Practice II (CAPP II), 4 credit hours, 10 students, University of Kentucky, College of Pharmacy. Case discussion. Facilitator. Spring 2002.

PHR 959, Contemporary Aspects of Pharmacy Practice V (CAPP V), 7 credit hours, 88 students, University of Kentucky, College of Pharmacy. Lecture and Lab. Lecturer and Instructor. "Adult Cardiac Life Support," Fall 2001.

PhPr 475a, Pharmacotherapeutics, 6 credit hours, 10 students, University of Arizona, College of Pharmacy. Case discussion. Facilitator. Spring 2001.

PhPr 475b, Pharmacotherapeutics, 6 credit hours, 10 students, University of Arizona, College of Pharmacy. Case discussion. Facilitator. Fall 2000.

**Committee  
Appointments**

**Academic Committees**

**Wilkes University**

Middle-States Self-Study Steering Committee	
- <i>Chair, Standard III Workgroup</i>	2025 – 2028
College of Health and Education Research	
Symposium Steering Committee	Fall 2024 – Present
University Assessment Committee	Fall 2024 – Present
Faculty Affairs Council	Spring 2017 – Spring 2024
Vice President of Admissions Search Committee	Fall 2022 – Spring 2023
Academic Portfolio Review Workgroup	2020
Middle States Standard III Workgroup	Fall 2018 – Spring 2019
Director of Sponsored Programs and Grant Support Search Committee	Spring 2014
Teacher Recognition and Effectiveness Committee	Fall 2011 – Summer 2014
- <i>Chair</i>	Fall 2013 – Spring 2014
Faculty Handbook Subcommittee of the Faculty Affairs Counsel	Fall 2011 – Fall 2012
- <i>Secretary</i>	Fall 2011 – Fall 2012
Faculty Handbook Committee	Summer 2011
Director of Admissions Search Committee	Spring 2011
Admissions and Financial Aid Committee	Fall 2008 – Spring 2011
- <i>Chair</i>	Fall 2010 – Spring 2011
- <i>Webmaster</i>	Fall 2009 – Spring 2011
Employee Compensation Committee	Spring 2008 – Spring 2010
Faculty Development Committee	Fall 2007 – Spring 2008

**Nesbitt School of Pharmacy**

Curriculum Revival Task Force	Fall 2024 – Spring 2025
Committee on Progression and Professionalism	Fall 2020 – Spring 2025
Assessment-Curriculum Committee	Fall 2024 – Spring 2025
- <i>Co-Chair</i>	<i>Fall 2024 – Spring 2025</i>
Curriculum Committee	Fall 2016 – Spring 2017
Chair, Nesbitt School of Pharmacy Mentorship Program Development Workgroup	Fall 2023 – Spring 2024
Diversity, Equity, Inclusion, and Anti-Racism Task Force	Fall 2023 – Spring 2024
Student Affairs Committee	Fall 2012 – Summer 2014
	Fall 2007 – Summer 2009

Assessment Committee	Fall 2009 – Spring 2011
- <i>Chair</i>	Fall 2024 – Spring 2025
Curricular Mapping Task Force	Fall 2010 – Spring 2011
Secretary, School of Pharmacy	Spring 2010
Loading Task Force	Fall 2007 – Spring 2009
	Fall 2007 – Spring 2008

### **Health System Committees and Workgroups**

#### **Wilkes-Barre General Hospital**

Pharmacy and Therapeutics Committee	2018 – Present
-------------------------------------	----------------

#### **Geisinger**

ACS Carepath	2017
Pharmacogenomics Advisory Committee	2017 – 2018

#### **Center for Pharmacy Innovation and Outcomes**

Student Curriculum Workgroup	2017
------------------------------	------

#### **Regional Hospital of Scranton**

Critical Care Committee	2006 – 2017
Pharmacy and Therapeutics Committee	2005 – 2017

#### **Geisinger Medical Center**

Code Committee	2004 – 2005
Drug Utilization Evaluation Committee	2004 – 2005
Cardiac ICU Medication Safety Committee	2003 – 2005
Pharmacy and Therapeutics Committee	2003 – 2005

#### **Union Memorial Hospital**

Code Committee	2002 – 2003
Drug Utilization Evaluation Committee	2002 – 2003
Pharmacy and Therapeutics Committee	2002 – 2003

### **Professional Organization Committees and Service**

#### **Board of Pharmacy Specialties**

– <i>Critical Care Pharmacy Specialty Council</i>	2025 – Present
---	----------------

#### **Pennsylvania Society of Health-System Pharmacists**

– <i>Delegate</i>	2025 – 2027
– <i>Secretary</i>	2024 – 2027
– <i>Alternate Delegate</i>	2021 – 2024
– <i>President, North-Central chapter</i>	June 2005 – May 2006

#### **American College of Clinical Pharmacy**

– Awards Committee	2023 – Present
– 2021 Clinical Practice Affairs Committee “B”	2021
– 2020 Annual Meeting Program Committee	2018 – 2020
– Clinical Practice Affairs Committee	2013, 2017
– 2016 ACCP Task Force on Collaborative Research Opportunities	2016
– 2015 Member Relations Committee	2015
– Critical Care Practice and Research Network	
- <i>Immediate Past Chair</i>	2018

- <i>Chair</i>	2017
- <i>Chair-Elect</i>	2016
- <i>Secretary-Treasurer</i>	2015
- Recognition Committee	2017 – 2018, 2021 – Present
- <i>Chair</i>	2025
- <i>Vice-Chair</i>	2024
- Research Committee	2013 – Present
- Critical Care Pharmacy Services Task Force	2015 – 2020
- Program Committee	2013 – 2017
- Communications Committee	2010 – 2012
- <i>Chair</i>	2012
- <i>Vice-Chair</i>	2011

#### American Society of Health-System Pharmacists

- Delegate, Pennsylvania Society of Health-System Pharmacists	2025 – 2027
- Section of Clinical Specialists and Scientists, Section Advisory Group on Clinical Leadership	2022 – Present
- Alternate Delegate, Pennsylvania Society of Health-System Pharmacists	2021 – 2024
- Judge, Semi-Final Round, Clinical Skills Competition, American Society of Health-System Pharmacists	2021 – Present
- Council on Therapeutics	2021 – 2023

#### Society of Critical Care Medicine

- Multidisciplinary Critical Care Knowledge Assessment Program Committee	2024 – Present
- Discovery Education Workgroup	2022 – Present
- Data Science Knowledge Education Group (KEG)	2019 – Present
- Choosing Wisely Knowledge Education Group (KEG)	2019 – Present
- Discovery Steering Committee	2018 – 2022
- Discovery Oversight Committee	2019
- Ethics Committee	2015 – 2018
- Research Network Task Force	2015 – 2016
- Drug Shortages Committee	2012 – 2016
- <i>Immediate Past Co-Chair</i>	2016
- <i>Co-Chair</i>	2012 – 2016
- Post-Graduate and Fellowship Education Committee	2010 – 2016
- Scientific Review Committee	2012 – 2015
- Research Section	
- <i>Immediate Past-Chair</i>	2020
- <i>Chair</i>	2019
- <i>Chair, Programming Committee</i>	2019
- <i>Chair-Elect</i>	2018
- <i>Secretary-Treasurer</i>	2017
- <i>Chair, Communications Committee</i>	2013 – 2017
- <i>Member-at-Large</i>	2013 – 2016
- Clinical Pharmacy and Pharmacology Section	
- Practice Advancement Committee	2020 – Present

- Program Committee	2014 – 2016
- Patient Safety Committee	2011 – 2014
- Research Committee	2010 – 2012
- Communications Committee	2007 – 2010
- <i>Chair</i>	2009
- <i>Vice-Chair</i>	2008

**The Wright Center for Graduate Medical Education  
Institutional Review Board** 2012 – 2017

**Blue Cross Blue Shield of Northeastern Pennsylvania**  
**Pharmacy and Therapeutics Committee** 2006 – 2015

## Research Experience

## Assessing Analgesia and Sedation Requirements and Withdrawal in Critically Ill Patients with COVID-19.

April 2020 – July 2023 Wilkes University Wilkes-Barre, PA

## The Viral Infection and Respiratory Illness Universal Study (VIRUS): COVID-19 Registry and Validation of Critical Care Data Dictionary (C2D2)

March 2020 – November 2022 Society of Critical Care Medicine Mount Prospect, IL

## **Assessing Current Analgesia and Sedation Weaning Practices in Adult Critically Ill Patients**

March 2019 – May 2022 Wilkes University Wilkes-Barre, PA

## Classification of Faculty Scholarship within Schools of Pharmacy

June 2019 – January 2021 Wilkes University Wilkes-Barre, PA

## **Pharmacist Monitoring of Serum Triglycerides for Critically Ill Patients Receiving Propofol**

July 2019 – September 2020 Wilkes-Barre General Hospital Wilkes-Barre, PA

## **Pilot Study of Vitamin C Pharmacokinetics and Pharmacodynamics in Cardiac Surgery Patients**

January 2017 – 2019 Wilkes University Wilkes-Barre, PA

## Quantification of the Impact and Financial Implications of Clinical Pharmacist Services in the Intensive Care Unit and Emergency Department

September 2018 – October 2018 Wilkes-Barre General Hospital Wilkes-Barre, PA

## Association of Timing of Antibiotic Administration with Pharmacist Staffing in the Intensive Care Unit

June 2018 Wilkes-Barre General Hospital Wilkes-Barre, PA

## **Pharmacy Students' Knowledge, Attitude and Perceptions of Critical Care Pharmacy Practice**

2015 – 2017 Wilkes University Wilkes-Barre, PA

ACS Advocate

October 2016 – December 2017 Geisinger Health System Danville, PA

## Assessment of Medication Use Among Medically Complex Children

2015 – 2017	Geisinger Health System	Danville, PA
<b>Assessing Ascorbic Acid and Oxidative Biomarkers in Human Subjects</b>		
June 2016 – June 2017	Wilkes University	Wilkes-Barre, PA
<b>Atrial Fibrillation Genetics (AFGen) Consortium</b>		
July 2015 – January 2016	Geisinger Health System	Danville, PA
<b>Practices Surrounding the Identification, Prevention, and Treatment of Delirium in the Intensive Care Unit</b>		
2015	Regional Hospital of Scranton	Scranton, PA
<b>Application of the GRADE Criteria: Drug Combination-Associated Acute Kidney Injury</b>		
2015	University of Pittsburgh	Pittsburgh, PA
<b>Factors Motivating Pharmacy Students to Pursue or Not Pursue Residency or Fellowship Training</b>		
2015	Wilkes University	Wilkes-Barre, PA
<b>Effect of Preoperative Statin Use on the Incidence of Post-Operative Atrial Fibrillation after Aortic Valve Replacement</b>		
2014	Regional Hospital of Scranton	Scranton, PA
<b>Effect of Ascorbic Acid on the Incidence of Post-Operative Atrial Fibrillation in Patients Undergoing Cardiac Surgery</b>		
2011 – 2014	Regional Hospital of Scranton	Scranton, PA
<b>Current Trends in the Use of Stress Ulcer Prophylaxis in Critically Ill Patients: a Multicenter Study</b>		
2013	Regional Hospital of Scranton	Scranton, PA
<b>Effect of Lorazepam versus Morphine on Quality of Life in Hospice Patients with Dyspnea and Anxiety</b>		
2013	Regional Hospital of Scranton	Scranton, PA
<b>Effect of Omega-3 fatty Acids on the Incidence of Major Gastrointestinal Bleeding in Patients with a History of Major Gastrointestinal Bleeding</b>		
2012 – 2013	Regional Hospital of Scranton	Scranton, PA
<b>Facilitation of Interprofessional Education Among Student Health Professionals Using Human Patient Simulation</b>		
2012	Wilkes University	Wilkes-Barre, PA
<b>Effect of Statin Medications on the Incidence of Postoperative Atrial Fibrillation after Cardiac Valve Surgery</b>		
2012	Regional Hospital of Scranton	Scranton, PA
<b>Assessment of Health Literacy Training in Pharmacy Students</b>		
2012	Wilkes University	Wilkes-Barre, PA

<b>Prevalence and Factors Associated With Prolonged Empiric Antibiotic Therapy (PEAT) in the Intensive Care Unit</b>		
2011	Regional Hospital of Scranton	Scranton, PA
<b>Association of Post-Operative Atrial Fibrillation with Sodium Nitroprusside in Cardiac Surgery Patients</b>		
2010 – 2011	Regional Hospital of Scranton	Scranton, PA
<b>Association Between Proton Pump Inhibitor Therapy and <i>Clostridium difficile</i>-Associated Disease in the Critically Ill</b>		
2009 – 2010	Regional Hospital of Scranton	Scranton, PA
<b>A Multicenter Assessment of Sedation and Analgesia Practices for Critically Ill Adults Requiring Mechanical Ventilation</b>		
2009	Regional Hospital of Scranton	Scranton, PA
<b>Effectiveness of an Electrolyte Replacement Protocol in an Adult Intensive Care Unit</b>		
2008 – 2010	Regional Hospital of Scranton	Scranton, PA
<b>Association of Preoperative Statins with Acute Kidney Injury after Cardiac Surgery</b>		
2008 – 2009	Mercy Hospital	Scranton, PA
<b>Survey of Pharmacy Student Physical Assessment Skills and Impact of Instruction by Pharmacy Faculty</b>		
2007 – 2010	Wilkes University	Wilkes-Barre, PA
<b>Impact of Pharmacist Intervention on Stress Ulcer Prophylaxis Continued After Intensive Care Unit Discharge</b>		
2004 – 2005	Geisinger Medical Center	Danville, PA
<b>Heparin versus Low Molecular Weight Heparin for Prevention of Venous Thromboembolism in Patients Undergoing Elective Craniotomy for Tumor Resection</b>		
2001 – 2002	University of Kentucky Medical Center	Lexington, KY
<b>Use of Metoclopramide in Ileus and Feeding Tube Placement</b>		
2000 – 2001	University Medical Center	Tucson, AZ

## Grants and Funding

Gélinas C (PI), Bolesta S (Co-I). Iatrogenic Withdrawal Syndrome from opioid and sedation therapy in critically ill adults: Content validation of its symptomatology with experts. Submitted March 2023; The Louise and Alan Edwards Foundation, McGill University. Amount requested: \$49,972 in direct costs. Submitted. Funding period: 08/01/2023-12/31/2024. Receiving agency/agent: McGill University. Funded for \$50,000.

Bolesta S. Assessing Current Analgesia and Sedation Weaning Practices in Adult Critically Ill Patients. Submitted August 2019; Wilkes University Provost Research and Scholarship Grant. Amount requested: \$12,301 in direct costs. Submitted. Funding period: 01/01/2020-12/31/2022. Receiving agency/agent: Wilkes University. Funded for \$12,301.

Bolest S. Continued Faculty and Peer-To-Peer Mentored Research in Cardiovascular Science. Submitted March 2019; Wilkes University. Amount requested: \$7080 in direct costs. Submitted. Funding period: 06/01/2019-08/31/2019. Receiving agency/agent: Wilkes University. Funded for \$6550.

Bolest S. Advancing the Cardiovascular Science of Vitamin C in Cardiac Surgery Patients. Submitted September 2018; Geisinger Cardiovascular Service Line Research Foundation Fund. Amount requested: \$8848 in direct costs. Submitted. Funding period: 10/01/2018-05/31/2019. Receiving agency/agent: Geisinger. Funded.

Bolest S. Continued Faculty and Peer-To-Peer Mentored Research in Cardiovascular Science. Submitted March 2018; Wilkes University. Amount requested: \$7314 in direct costs. Submitted. Funding period: 06/01/2018-08/31/2018. Receiving agency/agent: Wilkes University. Funded for \$6877.

Bolest S. Faculty and Peer-To-Peer Mentored Research in Cardiovascular Science. Submitted March 2017; Wilkes University. Amount requested: \$8000 in direct costs. Submitted. Funding period: 06/01/2017-08/31/2017. Receiving agency/agent: Wilkes University. Funded for \$6725.

Bolest S. Advancing the Cardiovascular Science of Vitamin C in Cardiac Surgery Patients. Submitted August 2016; Wilkes University. Amount requested: \$10,000 in direct costs. Submitted. Funding period: 01/01/2017-05/31/2018. Receiving agency/agent: Wilkes University. Funded.

Wright EA, Steinhubl S, Bolest S, VanLoan RP, Sees AC. ACS Advocate. Submitted April 2016; AstraZeneca. Amount requested: \$608,372 in direct costs. Submitted. Funding period: 10/01/2016-11/30/2017. Receiving agency/agent: Geisinger Health System. Funded.

Bolest S, Gutierrez LS, Kibbe AH, Kong F, Chen O. Advancing the Cardiovascular Science of Vitamin C: Determining its Pharmacokinetics and Pharmacodynamics during Cardiac Surgery to Prevent A. Fib. Submitted June 2015; National Heart Lung and Blood Institute. Amount requested: \$250,000 in direct costs. Submitted. Funding period: 06/01/2016-05/31/2018. Receiving agency/agent: Wilkes University. Not funded.

Bolest S. Focused Investigator Training (FIT) Program scholarship, Research Institute, American College of Clinical Pharmacy. Submitted May 2014. Critical Care Practice and Research Network, American College of Clinical Pharmacy. Amount requested: \$3,750. Amount awarded: \$3,750. Funded. Funding period: July 2014.

Bolest S, Koch LVon. Effect of Ascorbic Acid on the Incidence of Post-Operative Atrial Fibrillation in Patients Undergoing Cardiac Surgery. Submitted February 1, 2013. Wilkes University Faculty Development Committee. Amount requested: \$4,200. Amount awarded: \$4,200. Funded. Funding period: June 2013 – May 2014.

Bolest S, Koch LVon. Effect of Ascorbic Acid on the Incidence of Post-Operative Atrial Fibrillation in Patients Undergoing Cardiac Surgery. Submitted September 12, 2012. Gustavus and Louise Pfeiffer Research Foundation. Amount requested: \$40,000. Not funded.

## Publications

## Print Peer-Reviewed Journal Articles

Bolest S, Perreault MM, Gélinas C, Smith KE, Blair J, Molchany K, Wenner N, Burry L. Comparative Analysis of Opioid and Sedative Requirements in Mechanically Ventilated Patients with ARDS and COVID-19: A Multinational Cohort Study. *Under review.*

Bolesta S, Smith KE, Gélinas C, Perreault MM, Burry L, Carini F, Harpel J, Stewart R, Riker RR, Erstad BL, on behalf of the ALERT-ICU study investigators. Patterns of Opioid and Sedative Use in Adult ICUs: Implications for Iatrogenic Withdrawal Syndrome. *Under review*.

Bolesta S, Burry L, Perreault MM, Gélinas C, Smith KE, Carini F, Eadie R, Riker RR, Erstad BL, on behalf of the ALERT-ICU study investigators. Opioid and Sedative Use, Weaning, and Withdrawal in Mechanically Ventilated Adults. *Under review*.

Amer M, AlMubayedh H, Bolesta S, Gélinas C. Analgesia First in Critically Ill Adults: Current Practices and Future Directions. *Crit Care Clin.* 2025 Oct;41(4):683-705. DOI: 10.1016/j.ccc.2025.05.002.

Rucci JM, Law AC, Bolesta S, Quinn EK, Garcia MA, Gajic O, Boman K, Yus S, Goodspeed VM, Kumar V, Kashyap R, Walkey AJ, From The Society of Critical Care Medicine Discovery Viral Infection and Respiratory Illness Universal Study (VIRUS): COVID-19 Registry Investigator Group, Variation in Sedative and Analgesic Use During the COVID-19 Pandemic and Associated Outcomes, *CHEST Critical Care* (2024), doi: <https://doi.org/10.1016/j.chstcc.2024.100047>.

Bolesta S, Burry L, Perreault MM, Gélinas C, Smith KE, Eadie R, Carini F, Saltarelli K, Mitchell J, Harpel J, Stewart R, Riker RR, Fraser GL, Erstad BL, on behalf of the ALERT-ICU study investigators. International Analgesia and Sedation Weaning and Withdrawal Practices in Critically Ill Adults: The AdulT iatrogEnic withdRawal sTudy in the ICU (ALERT-ICU). *Crit Care Med.* 2023 Nov 1;51(11):1502-1514. DOI: 10.1097/CCM.0000000000005951

Eadie R, McKenzie CA, Hadfield D, Kalk NJ, Bolesta S, Dempster M, McAuley DF, Blackwood B. Opioid, sedative, preadmission medication and iatrogenic withdrawal risk in UK adult critically ill patients: a point prevalence study. *Int J Clin Pharm.* 2023 Oct;45(5):1167-1175. doi: 10.1007/s11096-023-01614-9.

Ivey KA, Bolesta S. Impact of Pharmacist Monitoring of Serum Triglycerides for Critically Ill Patients Receiving Propofol. *Journal of Pharmacy Practice.* 2022;0(0). doi:10.1177/08971900221134646

Garcia MA, Johnson SW, Sisson EK, Sheldrick CR, Kumar VK, Boman K, Bolesta S, Bansal V, Bogojevic M, Domecq JP, Lal A, Heavner S, Cheruku SR, Armaignac DL, Anderson HL, Denson JL, Gajic O, Kashyap R, Walkey AJ, from the Society of Critical Care Medicine's Discovery Viral Infection and Respiratory Illness Universal Study Investigators. Variation in Use of High-Flow Nasal Cannula and Noninvasive Ventilation Among Patients With COVID-19. *Respir Care.* 2022 Aug;67(8):929-938. doi: 10.4187/respcare.09672. Epub 2022 Jun 7. PMID: 35672139.

Johnson SW, Garcia MA, Quinn EK, Sheldrick CR, Kumar VK, Boman K, Bolesta S, Bansal V, Bogojevic M, Domecq JP, Lal A, Gajic O, Kashyap R, Walkey AJ, from the Society of Critical Care Medicine Discovery Viral Infection and Respiratory Illness Universal Study (VIRUS): COVID-19 Registry Investigator Group. Hospital Variation in Management and Outcomes of Acute Respiratory Distress Syndrome Due to COVID-19. *Crit Care Explor.* 2022 Feb 18;10(2):e0638. doi: 10.1097/CCE.0000000000000638. PMID: 35211681; PMCID: PMC8860338.

Bolesta S, Berger A, Black E, Greskovic GA, Davis TW. Disease and medication burden of medically complex adolescents seen in an

interdisciplinary transitional care clinic. *J Pediatr Rehabil Med.* 2021;14(4):605-612. doi: 10.3233/PRM-200705. PMID: 34864698.

Acquisto NM, Beavers C, Bolesta S, Buckley M, Dobbins K, Finch C, Hayes S, Holdren D, Johnson S, Kane-Gill S, Lat I. ACCP White Paper: Development and application of quality measures of clinical pharmacist services provided in inpatient/acute care settings. *J Am Coll Clin Pharm.* 2021;4:1601–1617. doi: 10.1002/jacc.1559.

Garcia MA, Johnson SW, Bosch NA, Sisson EK, Sheldrick CR, Kumar VK, Boman K, Bolesta S, Bansal V, Deo N, Domecq JP, Lal A, Christie AB, Banner-Goodspeed VM, Sanghavi D, Vadgaonkar G, Gajic O, Kashyap R, Walkey AJ. Variation in Use of Repurposed Medications Among Patients With Coronavirus Disease 2019. From The Society of Critical Care Medicine Discovery Viral Infection and Respiratory Illness Universal Study: Coronavirus Disease 2019 Registry Investigator Group. *Crit Care Explor.* 2021 Nov 2;3(11):e0566. doi: 10.1097/CCE.0000000000000566.

Verhoef PA, Kannan S, Sturgill JL, Tucker EW, Morris PE, Miller, Andrew AC, Sexton TR, Koyner JL, Hejal RM, Brakenridge SC, Moldawer LL, Hotchkiss RS, Blood TM, Mazer MB, Bolesta S, Alexander SA, Armaignac DL, Shein SL, Jones C, Hoemann CD, Doctor A, Friess SH, Parker RI, Rotta AT, Remy KE, for the Basic and Translational Science Committee of the Research Section for the Society of Critical Care Medicine. Severe Acute Respiratory Syndrome–Associated Coronavirus 2 Infection and Organ Dysfunction in the ICU: Opportunities for Translational Research. *Critical Care Explorations.* 2021;3(3):e0374. doi: 10.1097/CCE.0000000000000374.

Domecq JP, Lal A, Sheldrick CR, Kumar VK, Boman K, Bolesta S, Bansal V, Harhay MO, Garcia MA, Kaufman M, Danesh V, Cheruku S, Banner-Goodspeed VM, Anderson HL, Milligan PS, Denson JL, St. Hill CA, Dodd KW, Martin GS, Gajic O, Walkey AJ, Kashyap R. Outcomes of Patients With Coronavirus Disease 2019 Receiving Organ Support Therapies: The International Viral Infection and Respiratory Illness Universal Study Registry. *Critical Care Medicine.* 2021;49(3):437-448. doi: 10.1097/CCM.0000000000004879.

Walkey AJ, Sheldrick RC, Kashyap R, Kumar VK, Boman K, Bolesta S, Zampieri F, Bansal V, Harhay MO, Gajic O. Guiding Principles for the Conduct of Observational Critical Care Research for the Coronavirus Disease 2019 Pandemics and Beyond: The Society of Critical Care Medicine Discovery Viral Infection and Respiratory Illness Universal Study Registry. *Crit Care Med.* 2020;48(11):e1038. DOI: 10.1097/CCM.

Lat I, Paciullo C, Daley MJ, MacLaren R, Bolesta S, McCann J, Stollings JL, Gross K, Foos SA, Roberts RJ, Acquisto NM, Taylor S, Bentley M, Jacobi J, Meyer TA. Position paper on critical care pharmacy services (executive summary): 2020 update. *Am J Health-Syst Pharm.* 2020;77:1619-1624. DOI 10.1093/ajhp/zxa217.

Lat I, Paciullo C, Daley MJ, MacLaren R, Bolesta S, McCann J, Stollings JL, Gross K, Foos SA, Roberts RJ, Acquisto NM, Taylor S, Bentley M, Jacobi J, Meyer TA. Position Paper on Critical Care Pharmacy Services: 2020 Update. *Critical Care Medicine.* September 2020;48(9):e813-e834. doi: 10.1097/CCM.0000000000004437.

Lat I, Paciullo C, Daley MJ, MacLaren R, Bolesta S, McCann J, Stollings JL, Gross K, Foos SA, Roberts RJ, Acquisto NM, Taylor S, Bentley M, Jacobi J, Meyer TA. Position paper on critical care pharmacy services (executive summary): 2020 update. *Critical Care Medicine.* September 2020;48(9):1375-1382.

Lat I, Paciullo C, Daley MJ, MacLaren R, Bolesta S, McCann J, Stollings JL, Gross K, Foos SA, Roberts RJ, Acquisto NM, Taylor S, Bentley M, Jacobi J, Meyer TA. Position paper on critical care pharmacy services (executive summary): 2020 update. *J Am Coll Clin Pharm*. 2020;3:1380–1389. <https://doi.org/10.1002/jac5.1291>.

Walkey AJ, Kumar V, Harhay M, Bolesta S, Bansal V, Gajic O, Kashyap R, for the Society of Critical Care Medicine Discovery, Critical Care Research Network. The Viral Infection and Respiratory Illness Universal Study (VIRUS): An International Registry of Coronavirus 2019-Related Critical Illness. *Crit Care Expl*. April 2020;2(4):e0113.

Hammond DA, Oyler DR, Devlin JW, Painter JT, Bolesta S, Swanson JM, Bailey BJ, Branan T, Barletta JF, Dunn B, Haney JS, Juang P, Kane-Gill SL, Kiser TH, Shafeeq H, Skaar D, Smithburger P, Taylor J. 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 Jun;81(5):90. doi: 10.5688/ajpe81590.

Rivosecchi RM, Kellum JA, Dasta JF, Armahizer MJ, Bolesta S, Buckley MS, Dzierba AL, Frazee EN, Johnson HJ, Kim C, Murugan R, Smithburger PL, Wong A, Kane Gill SL. Drug class combination-associated acute kidney injury. *Annals of Pharmacotherapy*. 2016 Nov;50(11):953-972.

Rezaei Y, Samiei N, Hosseini S, Bolesta S, Kong F. Do statins attenuate postoperative atrial fibrillation in isolated heart valve surgery? *Pharmacotherapy*. 2016;36(3):e16-7.

Bolesta S, Kong F. Effect of statins on the incidence of post-operative atrial fibrillation after cardiac valve surgery. *Pharmacotherapy*. 2015;33(11):998-1006.

Bolesta S, Aungst TD, Kong F. Effect of sodium nitroprusside on the occurrence of atrial fibrillation after cardiothoracic surgery. *Ann Pharmacother*. 2012;46:785-92.

Boruah PK, Bolesta S, Shetty SM. Possible lenalidomide-induced Stevens-Johnson syndrome during treatment for multiple myeloma. *Pharmacotherapy*. 2011;31(9):925.

Dager W, Bolesta S, Brophy G, Dell K, Gerlach A, Kristeller J, et al. An opinion paper outlining recommendations for training, credentialing, and documenting and justifying critical care pharmacy services. *Pharmacotherapy*. 2011;31(8):829.

Bolesta S, Uhrin LM, Guzek JR. Preoperative statins and acute kidney injury after cardiac surgery: utilization of a consensus definition of acute kidney injury. *Ann Pharmacother*. 2011 Jan;45(1):23-30.

Bolesta S, Roslund BP. Elevated hepatic transaminases associated with telithromycin therapy: a case report and literature review. *AJHP*. 2008;65:37-41.

Bolesta S, Erstad BL. Use of metoclopramide in ileus: a look at duration of therapy. *Hosp Pharm*. 2002;37:949-52.

Bolesta S, Haber SL. Hepatotoxicity associated with chronic acetaminophen administration in patients without risk factors. *Ann Pharmacother*. 2002;36:331-3.

Malinowski JM, Bolesta S. Rosiglitazone in the treatment of type 2 diabetes mellitus: a critical review. *Clin Ther*. 2000;22:1151-68.

#### Electronic Peer-Reviewed Journal Articles

Hammond DA, Oyler DR, Devlin JW, Painter JT, Bolesta S, Swanson JM, Bailey BJ, Branan T, Barletta JF, Dunn B, Haney JS, Juang P, Kane-Gill SL, Kiser T, Shafeeq H, Skaar D, Smithburger P, Taylor J. 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 June;81(5):Article 90. Available at: <http://www.ajpe.org/doi/full/10.5688/ajpe81590>

Bolesta S, Chmil JV. Interprofessional education among student health professionals using human patient simulation. *Am J Pharm Educ.* 2014 June 17;78(5):Article 94. Available at: <http://www.ajpe.org/doi/full/10.5688/ajpe78594>

Bolesta S, Trombetta DP, Longyshore DS. Pharmacist instruction of physical assessment for pharmacy students. *Am J Pharm Educ.* 2011 Mar 10;75(2):Article 29. Available at: <http://www.ajpe.org/doi/full/10.5688/ajpe75229>

### Print Non-Peer-Reviewed Journal Articles

Bolesta S. Author's reply. *Ann Pharmacother.* 2002 Sep;36(9):1482-1483. (Letter).

### Abstracts

Bolesta S, Wellings F, Sklanka K, Rahman A, Ciucci A, Trombetta DP. Caution Work Zone: Building a Faculty and Staff Mentoring Program. *Am J Pharm Educ.* 2024 Sep 1;88(9):101138.

Bolesta, Scott; Burry, Lisa; Perreault, Marc; Gelinas, Celine; Smith, Kathryn; Carini, Federico; Eadie, Rebekah; Riker, Richard; Erstad, Brian. 960: OPIOID AND SEDATIVE WEANING AND WITHDRAWAL IN MECHANICALLY VENTILATED ADULTS: AN ALERT-ICU SUBSTUDY. *Critical Care Medicine* 52(1):p S452, January 2024. | DOI: 10.1097/01.ccm.0001002004.16896.e0.

Bolesta, Scott; Smith, Kathryn; Gelinas, Celine; Perreault, Marc; Burry, Lisa; Eadie, Rebekah; Carini, Federico; Riker, Richard; Erstad, Brian. 962: OBSERVATION OF OPIOID AND SEDATIVE USE IN MECHANICALLY VENTILATED ADULTS: AN ALERT-ICU SUBSTUDY. *Critical Care Medicine* 52(1):p S453, January 2024. | DOI: 10.1097/01.ccm.0001002012.25699.e3.

Bolesta, Scott; Perreault, Marc; Gelinas, Celine; Smith, Kathryn; Blair, Jaycee; Mochany, Kelcie; Wenner, Nash; Burry, Lisa. 964: INTERNATIONAL STUDY OF OPIOID AND SEDATIVE USE IN PATIENTS WITH ARDS OR COVID-19. *Critical Care Medicine* 52(1):p S454, January 2024. | DOI: 10.1097/01.ccm.0001002020.37277.cb.

Bolesta S, Smith K, Gélinas C, Perreault M, Burry L, Eadie R, Carini F, Harpel J, Stewart R, Riker R, Erstad B. Opioid and Sedative Use in Adult ICUs: AduLt iatrogEnic withdRawal sTudy in the ICU (ALERT-ICU). *Critical Care Medicine* 2023;51(1):398. DOI: 10.1097/01.ccm.0000908980.77598.a5.

Bolesta S, Burry L, Perreault M, Gélinas C, Smith K, Carini F, Eadie R, Saltarelli K, Mitchell J, Harpel J, Stewart R, Riker R, Fraser G, Erstad B. International Analgesia and Sedation Weaning and Withdrawal Practices in Critically Ill Adults: The AduLt iatrogEnic withdRawal sTudy in the ICU (ALERT-ICU). *ESICM LIVES 2022: part 1. Intensive Care Med Exp* 2022; 10:39. Available from: <https://doi.org/10.1186/s40635-022-00468-1>.

Garcia MA, Johnson SW, Bosch NA, Sisson EK, Sheldrick CR, Kumar VK, Boman K, Bolesta S, Bansal V, Deo N, Domecq JP, Lal A, Christie AB, Banner-Goodspeed VM, Sanghavi D, Vadgaonkar G, Gajic O, Kashyap R, Walkey AJ. 199: VARIATION IN USE OF REPURPOSED MEDICATIONS AMONG PATIENTS WITH COVID-19. *Crit Care Med*: January 2022 - Volume 50 - Issue 1 - p 83 doi: 10.1097/01.ccm.0000807120.44461.9e

Garcia MA, Johnson SW, Sisson EK, Sheldrick CR, Kumar VK, Boman K, Bolesta S, Bansal V, Bogojevic M, Domecq JP, Lal A, Heavner S, Cheruku SR, Armaignac DL, Anderson HL, Denson JL, Gajic O, Kashyap R, Walkey AJ. 183: VARIATION IN USE OF HIGH-FLOW NASAL CANNULA AND NONINVASIVE VENTILATION IN COVID-19, *Crit Care Med*: January 2022 - Volume 50 - Issue 1 - p 75 doi: 10.1097/01.ccm.0000807056.68148.5e

Bolesta S, Little J, Minnich L, Manning D, VanWert A. Classification and Value of Faculty Scholarship Among Accredited Schools of Pharmacy. *Am J Pharm Educ*. 2021;85(7):8737; DOI: <https://doi.org/10.5688/ajpe8737>.

MA Garcia, SW Johnson, EK Sisson, CR Sheldrick, VK Kumar, K Boman, S Bolesta, V Bansal, M Bogojobic, JP Domecq, A Lal, O Gajic, R Kashyap, AJ Walkey. Variation in Use of Anti-Viral and Anti-Inflammatory Medications in Patients Hospitalized with COVID-19: Results from the International Viral Infection and Respiratory Illness Universal Study (VIRUS). *Am J Respir Crit Care Med* 2021;203:A3839; [https://doi.org/10.1164/ajrccm-conference.2021.203.1\\_MeetingAbstracts.A3839](https://doi.org/10.1164/ajrccm-conference.2021.203.1_MeetingAbstracts.A3839).

MA Garcia, SW Johnson, EK Sisson, CR Sheldrick, VK Kumar, K Boman, S Bolesta, V Bansal, M Bogojobic, JP Domecq, A Lal, O Gajic, R Kashyap, AJ Walkey. Variation in High-Flow Nasal Cannula and Non-Invasive Ventilation Practice Patterns During the COVID-19 Pandemic: Results from the International Viral Infection and Respiratory Illness Universal Study (VIRUS). *Am J Respir Crit Care Med* 2021;203:A3825; [https://doi.org/10.1164/ajrccm-conference.2021.203.1\\_MeetingAbstracts.A3825](https://doi.org/10.1164/ajrccm-conference.2021.203.1_MeetingAbstracts.A3825).

Hammond D, Kassel L, Bolesta S, Swanson J, Kane-Gill S, Skaar D, Haney J, Oyler D, Lakkad M, Bookstaver P, Branan T, Chudow M, Devlin J, Fong J, Juang P, Kinney J, Kiser T, Peitz G, Pon T, Storjohann T. National Survey Of Pharmacy Students' Opinions Of Critical Care Pharmacists' Roles/responsibilities. *Crit Care Med*. 2018;46(1):A997 (Abstract).

Bolesta S, Black E, Berger A, Davis T, Greskovic G. Effect of enrollment in a transition clinic for medically complex adolescents on medication laboratory monitoring. *Pharmacotherapy*. 2017 Dec 1 (Vol. 37, No. 12, pp. E198-E198).

Pulk RA, Greskovic GA, Bolesta S, Jones LK, Gionfriddo MR, Buchanan AH, Sturm AC, Manickam K, Murray MF, Wright E, Williams MS. Clinical pharmacy services for patients with genetically identified disease risk. *Pharmacotherapy*. 2017 Dec 1 (Vol. 37, No. 12, pp. E226-E226).

Foster J, Smithburger P, Bolesta S, Dell K, Hammond D, Freeman C. Critical Care PRN Membership Needs Assessment/Benefits Survey. *Pharmacotherapy*. 2016;36(12):e284-e285.

Hammond D, Painter J, Oyler D, Branan T, Devlin J, Barletta J, Bolesta S, Dunn B, Haney J, Juang P, Kane-Gill S, Kiser T, Shafeeq H, Skaar D, Smithburger PL, Swanson J, Taylor J, Bailey B. Perceived Motivating Factors and Barriers for the Completion of Postgraduate Training in

American Pharmacy Students. *Pharmacotherapy*. 2016;36(7):e90-e91 (Abstract).

Paciullo CA, Bolesta S, Smithburger PL. A Poster Walk Rounds at the ACCP Annual Meeting: Surveying for Success. *Pharmacotherapy*. 2015;35(11):e222 (Abstract).

Daubert E, Bolesta S. Effect of Lorazepam Versus Morphine on Quality of Life in Hospice Patients with Dyspnea and Anxiety. *J Am Pharm Assoc*. 2014;54:e76-e219 (Abstract).

Bolesta S, Chmil JV. Facilitation of Interprofessional Education Among Student Health Professionals Using Human Patient Simulation. *Am J Pharm Educ*. 2013;77(5):68 (Abstract).

Bolesta S, Kong F. Effect of Statin Medications on the Incidence of Postoperative Atrial Fibrillation After Cardiac Valve Surgery. *Crit Care Med*. 2012;40(12 Suppl):A977 (Abstract).

Bolesta S. Using a High-Fidelity Simulation Mannequin to Foster Pharmacy Student Collaborative Care. *Am J Pharm Educ*. 2012;76(5):99 (Abstract).

Brady JP, Foote EF, Bolesta S. Assessment of Health Literacy Training in P1 Pharmacy Students. *Am J Pharm Educ*. 2012;76(5):99 (Abstract).

Bolesta S, Kong F, Aungst TD. Effect of sodium nitroprusside on the occurrence of atrial fibrillation after cardiothoracic surgery. *Crit Care Med*. 2011;39(12 Suppl):A262 (Abstract).

Bolesta S, Trombetta DP, Longyshore DS. Pharmacy students' perceived value of physical assessment instruction by nursing or pharmacy faculty. *Am J Pharm Educ*. 2010;74(5):96 (Abstract).

Bolesta S, Guzek J, Uhrin L. Association of preoperative statins with acute kidney injury after cardiac surgery: utilization of a consensus definition of acute kidney injury. *Crit Care Med*. 2009;37(12 Suppl):A201 (Abstract).

Bolesta S. Scoring variability using a standardized evaluation form for a physical assessment practical. *Am J Pharm Educ*. 2009;73(4):55 (Abstract).

Bolesta S, Longyshore DS, Kang SK. Pharmacy student survey of physical assessment instruction and experience. *Am J Pharm Educ*. 2008;72(3):46 (Abstract).

### Book Chapters

Bolesta S. Specialized Topics in Cardiovascular Disease. In: Baker WL, Berei T, Bolesta S, et al., eds. ACCP/ASHP Cardiology Pharmacy Preparatory Review and Recertification Course, 2024 ed. Lenexa, KS: American College of Clinical Pharmacy, 2024:641-680.

Bolesta S. Acute kidney injury. In: Schwinghammer TL, Koehler JM, Borchert JS, Slain D, Park SK, eds. Schwinghamer's Pharmacotherapy Casebook: A Patient-Focused Approach. 12<sup>th</sup> ed. New York: McGraw-Hill, 2023. 54:155-156.

Bolesta S. Pancreatitis. In: DiPiro JT, Yee GC, Haines ST, Nolin TD, Ellingrod V, Posey LM, eds. DiPiro's Pharmacotherapy: A Pathophysiologic Approach. 12<sup>th</sup> ed. New York: McGraw-Hill, 2023. 57:575-590.

Bolesta S. Specialized Topics in Cardiovascular Disease. In: Baker WL, Berei T, Bolesta S, et al., eds. ACCP/ASHP Cardiology Pharmacy Preparatory Review and Recertification Course, 2023 ed. Lenexa, KS: American College of Clinical Pharmacy, 2023:641-680.

Schmidt K, Bolesta S. Supportive Management of Sepsis. In: Stover Hielscher KR ed. Infections in Critically Ill Patients. American College of Clinical

Pharmacy Infectious Diseases Self-Assessment Program (IDSAP). Lenexa, KS: American College of Clinical Pharmacy, 2022:33-58. ISBN-13: 978-1-952291-60-9.

Bolesta S. Specialized Topics in Cardiovascular Disease. In: Baker WL, Berei T, Bolesta S, et al., eds. *Updates in Therapeutics®: Cardiology Pharmacy Preparatory Review Course*, 2022 ed. Lenexa, KS: American College of Clinical Pharmacy, 2022:641-680.

Bolesta S. Specialized Topics in Cardiovascular Disease. In: Baker WL, Beavers C, Bolesta S, et al., eds. *Updates in Therapeutics®: Cardiology Pharmacy Preparatory Review Course*, 2021 ed. Lenexa, KS: American College of Clinical Pharmacy, 2021:635-674.

Bolesta S. Specialized Topics in Cardiovascular Disease. In: Baker WL, Beavers C, Bolesta S, et al., eds. *Updates in Therapeutics®: Cardiology Pharmacy Preparatory Review Course*, 2020 ed. Lenexa, KS: American College of Clinical Pharmacy, 2020:629-668.

Bolesta S, Montgomery PA. Pancreatitis. In: DiPiro JT, Yee GC, Posey LM, Haines ST, Nolin TD, Ellingrod V, eds. *Pharmacotherapy: A Pathophysiologic Approach*. 11<sup>th</sup> ed. New York: McGraw-Hill, 2020. 56:579-594.

Bolesta S. Acute kidney injury. In: Schwinghammer TL, Koehler JM, Borchert JS, Slain D, Park SK, eds. *Pharmacotherapy Casebook: A Patient-Focused Approach*. 11<sup>th</sup> ed. New York: McGraw-Hill, 2020. 54:155-156.

Bolesta S. Specialized Topics in Cardiovascular Disease. In: Baker WL, Beavers C, Bolesta S, et al., eds. *Updates in Therapeutics®: Cardiology Pharmacy Preparatory Review Course*, 2019 ed. Lenexa, KS: American College of Clinical Pharmacy, 2019.

Bolesta S. Specialized Topics in Cardiovascular Disease. In: Baker WL, Beavers C, Bolesta S, et al., eds. *Updates in Therapeutics®: Cardiology Pharmacy Preparatory Review Course*, 2018 ed. Lenexa, KS: American College of Clinical Pharmacy, 2018:231-270.

Bolesta S, Montgomery PA. Pancreatitis. In: DiPiro JT, Talbert RL, Yee GC, Matzke GR, Wells BG, Posey ML, eds. *Pharmacotherapy: A Pathophysiologic Approach*. 10<sup>th</sup> ed. New York: McGraw-Hill, 2017. 39:545-560.

Bolesta S. Acute kidney injury. In: Schwinghammer TL, Koehler JM, Borchert JS, Slain D, Park SK, eds. *Pharmacotherapy Casebook: A Patient-Focused Approach*. 10<sup>th</sup> ed. New York: McGraw-Hill, 2017. 54:151-152.

Bolesta S. Acute kidney injury. In: Schwinghammer TL, Koehler JM, eds. *Pharmacotherapy Casebook: A Patient-Focused Approach*. 9<sup>th</sup> ed. New York: McGraw-Hill, 2014. 157-158.

Bolesta S, Montgomery PA. Pancreatitis. In: DiPiro JT, Talbert RL, Yee GC, et al, eds. *Pharmacotherapy: A Pathophysiologic Approach*. 9<sup>th</sup> ed. New York: McGraw-Hill, 2014. 565-582.

Cooper BE, Bolesta S. Implementation of medication safety measures. In: Papadopoulos J, Cooper BE, Kane-Gill SL, et al, eds. *Drug Induced Complications in the Critically Ill Patient: A Guide for Recognition and Treatment*. Mount Prospect, IL: Society of Critical Care Medicine, 2012. 439-48.

Bolesta S. Acute kidney injury. In: Schwinghammer TL, Koehler JM, eds. *Pharmacotherapy Casebook: A Patient-Focused Approach*. 8<sup>th</sup> ed. New York: McGraw-Hill, 2011. 151-3.

Bolest S, Montgomery PA. Pancreatitis. In: DiPiro JT, Talbert RL, Yee GC, et al, eds. *Pharmacotherapy: A Pathophysiologic Approach*. 8<sup>th</sup> ed. New York: McGraw-Hill, 2011. 669-84.

Bolest S, Bendayan R. Acute kidney injury. In: Schwinghammer TL, Koehler JM, eds. *Pharmacotherapy Casebook: A Patient-Focused Approach*. 7<sup>th</sup> ed. New York: McGraw-Hill, 2008. 133-35.

Bolest S, Foote EF. Contrast-induced nephropathy. In: Dunsworth T, Richardson M, Cheng J, et al, eds. *Pharmacotherapy Self-Assessment Program*, 6<sup>th</sup> ed. Nephrology. Lenexa, KS: American College of Clinical Pharmacy, 2007:73-90.

### Electronic Newspaper Article

Bolest S. Vasopressin in septic shock: the old and the new. *Society of Critical Care Medicine Clinical Pharmacy and Pharmacology Section Newsletter*. 2007; 7(4):4-6. Available at: <http://www.sccm.org/SiteCollectionDocuments/CPP%20NL%20October%202007.pdf>

### Print Non-Peer-Reviewed Journal Article

Bolest S. Questions & answers. Avandia and URIs. *Diabetes Self-Management*. 2007;24(1):69.

## Presentations

### Podium

Iatrogenic Withdrawal Syndrome in the ICU. 7th Annual Rutgers Critical Care Symposium 2024. Piscataway, NJ; March 15, 2024.

AduLt iatrogEnic withdRawal sTudy in the ICU (ALERT-ICU) - Global Results. NIHR Southampton Biomedical Research Centre Science Forum. Virtual; January 27, 2023.

Iatrogenic Withdrawal Syndrome and The AduLt iatrogEnic withdRawal sTudy in the ICU (ALERT-ICU). Maine Medical Center Critical Care Grand Rounds. Virtual; December 1, 2022.

The Pains of Opioid and Sedative Use in the ICU. Presented as part of the SCCM Michigan Chapter Fall CE Program, "Updated Prescribing of Analgesication in the Critically Ill: A Review of Contemporary Evidence." Virtual; November 29, 2022.

What Fluids Are on the Menu: Fluid Stewardship in Acute Care Settings. American Society of Health System Pharmacists Midyear Clinical Meeting. Virtual; December 7, 2021.

Withdrawal in the Critically Ill: Causes, Control, and Circumvention. Pennsylvania Pharmacists Association Annual Conference. Harrisburg, PA; September 24, 2021.

Epidemiology, Risks and Implications of Iatrogenic Withdrawal. American Society of Health System Pharmacists Midyear Clinical Meeting. Virtual; December 9, 2020.

What we Know About Withdrawal in the ICU. Pennsylvania Society of Critical Care Medicine 24<sup>th</sup> Annual Challenges in Critical Care: A Multidisciplinary Approach. Hershey, PA; August 16, 2019.

How We Cause Withdrawal. Society of Critical Care Medicine 48<sup>th</sup> Annual Critical Care Congress. San Diego, CA; February 19, 2019.

Continuum of Care: Closing the Gap from the ICU to the Floor to Home. Society of Critical Care Medicine 47<sup>th</sup> Annual Critical Care Congress,

Clinical Pharmacy and Pharmacology Section Pre-Congress Symposium. San Antonio, TX; February 24, 2018.

Specialized Topics in Cardiovascular Disease, Cardiology Pharmacy Preparatory Review Course. American College of Clinical Pharmacy Updates in Therapeutics. Jacksonville, FL; February 17, 2018.

Being Precise with Antibiotics in the Critically Ill. Baptist Health South Florida Eight Annual State of the Science Symposium. Miami, FL; December 9, 2017.

Can Critical Illness and the Microbiome Play Nice Together? Baptist Health South Florida Eight Annual State of the Science Symposium. Miami, FL; December 9, 2017.

The Impact of Drug Shortages on ICU Medication Therapy. Society of Critical Care Medicine: Baltimore Chapter. Baltimore, MD; August 17, 2017.

Charting the Course for ICU Pharmacy Practice: An Update on the Position Paper on Critical Care Pharmacy Practice. Society of Critical Care Medicine 45<sup>th</sup> Annual Critical Care Congress, Clinical Pharmacy and Pharmacology Section Pre-Congress Symposium. Orlando, FL; February 20, 2016.

Treatment of *C. difficile*: Is There More Than Vancomycin and Metronidazole? Society of Critical Care Medicine 44<sup>th</sup> Annual Critical Care Congress. Phoenix, AZ; January 19, 2015.

Geriatrics. Society of Critical Care Medicine 42<sup>nd</sup> Annual Critical Care Congress. San Juan, PR; January 23, 2013.

Anticoagulants: when to give and when to hold. Society of Critical Care Medicine 41<sup>st</sup> Annual Critical Care Congress. Houston, TX; February 7, 2012.

Gastroesophageal reflux disease: causes, complications and treatment. Pennsylvania Pharmacists Association Annual Meeting. Valley Forge, PA; August 11, 2006.

### **Webinar**

SCCM Balancing Clinical Practice and Scholarly Activity. Society of Critical Care Medicine, Clinical Pharmacy and Pharmacology Section, SCCM Southeast Chapter. December 14, 2023.

How to Create Multi-Center Research Registries: Lessons Learned from COVID-19. Society of Critical Care Medicine, Discovery Network. May 25, 2022.

Crafting a Successful Sabbatical: the 'Why', 'Who', 'When' and 'How'. American Association of Colleges of Pharmacy, Pharmacy Practice Section. September 12, 2019.

### **Podcast**

A Primer on Pharmacist Board Certification. ASHP Official Podcast. Recorded July 26, 2023.

### **Paper/Oral Abstract**

Bolestá, S, Burry L, Perrault MM, Gelinas C, Smith KE, Carini, F, Eadie R, Riker R, Erstad BL. Opioid and Sedative Weaning and Withdrawal in Mechanically Ventilated Adults: An ALERT-ICU Sub-study. Society of Critical Care Medicine Critical Care Congress. Phoenix, AZ; January 21, 2024.

Bolestá, S, Smith KL, Gelinas C, Perrault MM, Burry L, Eadie R, Carini, F, Riker R, Erstad BL. Observation of Opioid and Sedative Use in Mechanically Ventilated Adults: An ALERT-ICU Sub-study. Society of Critical Care Medicine Critical Care Congress. Phoenix, AZ; January 21, 2024.

Bolestá, S, Perrault MM, Gelinas C, Smith K, Blair, J, Molchanov KE, Wenner, N, Burry L. International Study of Opioid and Sedative Use in Patients with ARDS or COVID-19. Society of Critical Care Medicine Critical Care Congress. Phoenix, AZ; January 21, 2024.

Bolestá S, Smith K, Gélinas C, Perreault M, Burry L, Eadie R, Carini F, Harpel J, Stewart R, Riker R, Erstad B. Opioid and Sedative Use in Adult ICUs: AduLt iatrogEnic withdRawal sTudy in the ICU (ALERT-ICU). Society of Critical Care Medicine Critical Care Congress. San Francisco, CA; January 23, 2023.

Bolestá S, Burry L, Perreault M, Gélinas C, Smith K, Carini F, Eadie R, Saltarelli K, Mitchell J, Harpel J, Stewart R, Riker R, Fraser G, Erstad B. International Analgesia and Sedation Weaning and Withdrawal Practices in Critically Ill Adults: The AduLt iatrogEnic withdRawal sTudy in the ICU (ALERT-ICU). European Society of Intensive Care Medicine 35<sup>th</sup> Annual Congress. Paris, France; October 24, 2022.

Garcia MA, Johnson SW, Bosch NA, Sisson EK, Sheldrick CR, Kumar VK, Boman K, Bolestá S, Bansal V, Deo N, Domecq JP, Lal A, Christie AB, Banner-Goodspeed VM, Sanghavi D, Vadgaonkar G, Gajic O, Kashyap R, Walkey AJ. Variation in Use of Repurposed Medications Among Patients With Coronavirus Disease 2019. From The Society of Critical Care Medicine Discovery Viral Infection and Respiratory Illness Universal Study: Coronavirus Disease 2019 Registry Investigator Group. Society of Critical Care Medicine 51st Annual Critical Care Congress. San Juan, PR; February 6, 2021.

Garcia MA, Johnson SW, Sisson EK, Sheldrick CR, Kumar VK, Boman K, Bolestá S, Bansal V, Bogojevic M, Domecq JP, Lal A, Heavner S, Cheruku SR, Armaignac DL, Anderson HL, Denson JL, Gajic O, Kashyap R, Walkey AJ, from the SCCM Discovery VIRUS investigators. Variation in use of high-flow nasal cannula and non-invasive ventilation among patients with COVID-19. Society of Critical Care Medicine 51st Annual Critical Care Congress. San Juan, PR; February 6, 2021.

Heparin compared to low molecular weight heparin for prevention of venous thromboembolism in patients undergoing elective craniotomy for tumor resection. Southeastern States Residency Conference. Athens, GA; April 25, 2002.

Proper use of metoclopramide in ileus and feeding tube placement. Western States Regional Residency Conference. Asilomar, CA; May 8, 2001.

### Panel

Precepting pearls. Nesbitt School of Pharmacy Preceptor Development Conference. Wilkes-Barre, PA; September 12, 2006.

### Round Table Facilitator

Critical Care Roundtable Session, Section of Clinical Specialists and Scientists. American Society of Health-System Pharmacists Midyear Clinical Meeting. Anaheim, CA; December 3, 2023.

Career Options in Critical Care Pharmacy Practice. American College of Clinical Pharmacy Annual Meeting. San Francisco, CA; October 18, 2015.

Career Options in Critical Care Pharmacy Practice. American College of Clinical Pharmacy Annual Meeting. Austin, TX; October 12, 2014.

Dosing challenges in patients with renal insufficiency. Pennsylvania Society of Health-System Pharmacists Annual Meeting. Lancaster, PA; October 23, 2009.

Low molecular weight heparin: dosing considerations for special populations. Pennsylvania Society of Health-System Pharmacists Annual Meeting. Lancaster, PA; October 23, 2009.

### **Program Chair**

What's New in Critical Care Pharmacy Practice. American Society of Health System Pharmacists Midyear Clinical Meeting. Las Vegas, NV; December 11, 2019.

What Fluids Are on the Menu: Fluid Stewardship in Acute Care Settings. American Society of Health System Pharmacists Midyear Clinical Meeting. Virtual; December 7, 2021.

Epidemiology, Risks and Implications of Iatrogenic Withdrawal. American Society of Health System Pharmacists Midyear Clinical Meeting. Virtual; December 9, 2020.

### **Moderator**

What's New in Critical Care Pharmacy Practice. American Society of Health System Pharmacists Midyear Clinical Meeting. Las Vegas, NV; December 11, 2019.

What Fluids Are on the Menu: Fluid Stewardship in Acute Care Settings. American Society of Health System Pharmacists Midyear Clinical Meeting. Virtual; December 7, 2021.

Epidemiology, Risks and Implications of Iatrogenic Withdrawal. American Society of Health System Pharmacists Midyear Clinical Meeting. Virtual; December 9, 2020.

### **Peer-Reviewed Poster**

Bolestá, S, Burry L, Perrault MM, Gelinas C, Smith KE, Carini, F, Eadie R, Riker R, Erstad BL. Opioid and Sedative Weaning and Withdrawal in Mechanically Ventilated Adults: An ALERT-ICU Sub-study. American College of Clinical Pharmacy Annual Meeting. Phoenix, AZ; October 13, 2024. Encore presentation.

Bolestá, S, Smith KL, Gelinas C, Perrault MM, Burry L, Eadie R, Carini, F, Riker R, Erstad BL. Observation of Opioid and Sedative Use in Mechanically Ventilated Adults: An ALERT-ICU Sub-study. American College of Clinical Pharmacy Annual Meeting. Phoenix, AZ; October 13, 2024. Encore presentation.

Bolestá, S, Perrault MM, Gelinas C, Smith K, Blair, J, Molchany KE, Wenner, N, Burry L. International Study of Opioid and Sedative Use in Patients with ARDS or COVID-19. American College of Clinical Pharmacy Annual Meeting. Phoenix, AZ; October 12, 2024. Encore presentation.

Bolestá S, Wellings F, Sklanka K, Rahman A, Ciucci A, Trombetta DP. Caution Work Zone: Building a Faculty and Staff Mentoring Program. American Association of Colleges of Pharmacy Annual Meeting. Boston, MA; July 21, 2024.

Bolestá S, Smith K, Gélinas C, Perreault M, Burry L, Eadie R, Carini F, Harpel J, Stewart R, Riker R, Erstad B. Opioid and Sedative Use in Adult ICUs:

Adult iatrogenic withdrawal study in the ICU (ALERT-ICU). American College of Clinical Pharmacy Annual Meeting. Dallas, TX; November 12, 2023. Encore presentation.

Bolesta S, Burry L, Perreault M, Gélinas C, Smith K, Carini F, Eadie R, Saltarelli K, Mitchell J, Harpel J, Stewart R, Riker R, Fraser G, Erstad B. International Analgesia and Sedation Weaning and Withdrawal Practices in Critically Ill Adults: The Adult iatrogenic withdrawal study in the ICU (ALERT-ICU). American College of Clinical Pharmacy Annual Meeting. Dallas, TX; November 12, 2023. Encore presentation.

Ivey KA, Bolesta S. Impact of pharmacist monitoring of serum triglycerides for critically ill patients receiving propofol. American College of Clinical Pharmacy Annual Meeting. Virtual; October 19, 2021. Encore presentation.

Garcia MA, Johnson SW, Bosch NA, Sisson EK, Sheldrick CR, Kumar VK, Boman K, Bolesta S, Bansal V, Deo N, Domecq JP, Lal A, Christie AB, Banner-Goodspeed VM, Sanghavi D, Vadgaonkar G, Gajic O, Kashyap R, Walkey AJ. Variation in Use of Repurposed Medications Among Patients With Coronavirus Disease 2019. From The Society of Critical Care Medicine Discovery Viral Infection and Respiratory Illness Universal Study: Coronavirus Disease 2019 Registry Investigator Group. Society of Critical Care Medicine 51st Annual Critical Care Congress. San Juan, PR; February 6, 2021.

Garcia MA, Johnson SW, Sisson EK, Sheldrick CR, Kumar VK, Boman K, Bolesta S, Bansal V, Bogojevic M, Domecq JP, Lal A, Heavner S, Cheruku SR, Armaignac DL, Anderson HL, Denson JL, Gajic O, Kashyap R, Walkey AJ, from the SCCM Discovery VIRUS investigators. Variation in use of high-flow nasal cannula and non-invasive ventilation among patients with COVID-19. Society of Critical Care Medicine 51st Annual Critical Care Congress. San Juan, PR; February 6, 2021.

Bolesta S, Little J, Minnich L, Manning DH, VanWert A. Classification and Value of Faculty Scholarship Among Accredited Schools of Pharmacy. American Association of Colleges of Pharmacy Annual Meeting. Virtual; July 19 – 22, 2021.

Ivey KA, Bolesta S. Impact of pharmacist monitoring of serum triglycerides for critically ill patients receiving propofol. American Society of Health System Pharmacists Midyear Clinical Meeting. Virtual; December 7, 2020.

Hammond D, Kassel L, Bolesta S, Swanson J, Kane-Gill S, Skaar D, Haney J, Oyler D, Lakkad M, Bookstaver P, Branan T, Chudow M, Devlin J, Fong J, Juang P, Kinney J, Kiser T, Peitz G, Pon T, Storjohann T. National Survey Of Pharmacy Students' Opinions Of Critical Care Pharmacists' Roles/responsibilities. Society of Critical Care Medicine 47th Annual Critical Care Congress. San Antonio, TX; February 25, 2018.

Bolesta S, Black E, Berger A, Davis T, Greskovic G. Effect of Enrollment in a Transition Clinic for Medically Complex Adolescents on Medication Laboratory Monitoring. American College of Clinical Pharmacy Annual Meeting. Phoenix, AZ; October 10, 2017.

Zarfoss E, Eden A, VanWert A, Bommareddy A, Bolesta S. Feasibility of determining oxidative biomarkers in healthy volunteers. American College of Clinical Pharmacy Annual Meeting. Phoenix, AZ; October 9, 2017.

Pulk RA, Greskovic GA, Bolesta S, Jones LK, Gionfriddo MR, Buchanan AH, Strum AC, Manickam K, Murray MF, Wright EA, Williams MS. Clinical Pharmacy Services for Patients with Genetically Identified Disease Risk. American College of Clinical Pharmacy Annual Meeting. Phoenix, AZ; October 8, 2017.

Eden A, Zarfoss E, VanWert A, Bommareddy A, Kibbe A, Engel T, Bolesta S. Feasibility study of assessing ascorbic acid and oxidative biomarkers in human subjects.(online) 2017 American College of Clinical Pharmacy Virtual Poster Symposium. May 17, 2017.

Davis T, Black E, Bolesta S, Berger A, Wright E. Polypharmacy Evaluation for Medically Complex Adolescents and Young Adults in a Transition Clinic. Pediatric Academic Societies Meeting. San Francisco, CA; May 8, 2017.

Foster J, Smithburger P, Bolesta S, Dell K, Hammond D, Freeman C. Critical Care PRN Membership Needs Assessment/Benefits Survey. American College of Clinical Pharmacy Annual Meeting. Hollywood, FL; October 23, 2016.

Hammond D, Painter J, Oyler D, Branan T, Devlin J, Barletta J, Bolesta S, Dunn B, Haney J, Juang P, Kane-Gill S, Kiser T, Shafeeq H, Skaar D, Smithburger PL, Swanson J, Taylor J, Bailey B. Perceived Motivating Factors and Barriers for the Completion of Postgraduate Training in American Pharmacy Students. 2016 American College of Clinical Pharmacy Virtual Poster Symposium. May 18, 2016.

Rivosecchi RM, Dasta JF, Kellum JA, Kane-Gill SL, Armahizer MJ, Bolesta S, et al. A Unique Application of the GRADE Criteria: Drug Combination-Associated AKI. Society of Critical Care Medicine 45th Annual Critical Care Congress. Orlando, FL; February 21, 2016.

Paciullo CA, Bolesta S, Smithburger PL. A Poster Walk Rounds at the ACCP Annual Meeting: Surveying for Success. American College of Clinical Pharmacy Global Conference on Clinical Pharmacy. San Francisco, CA; October 21, 2015.

Daubert E, Bolesta S. Effect of Lorazepam Versus Morphine on Quality of Life in Hospice Patients with Dyspnea and Anxiety. American Pharmacists Association Annual Meeting and Exposition. Orlando, FL; March 29, 2014.

Bolesta S, Chmil JV. Facilitation of Interprofessional Education Among Student Health Professionals Using Human Patient Simulation. American Association of Colleges of Pharmacy Annual Meeting. Chicago, IL; July 14, 2013.

Bolesta S, Chmil JV. Facilitation of Interprofessional Education Among Student Health Professionals Using Human Patient Simulation. Northeastern/Central Pennsylvania Interprofessional Education Coalition Faculty Development Program. Scranton, PA; May 21, 2013.

Bolesta S, Kong F. Effect of Statin Medications on the Incidence of Postoperative Atrial Fibrillation After Cardiac Valve Surgery. Society of Critical Care Medicine 42nd Annual Critical Care Congress. San Juan, PR; Januray 23, 2013.

Bolesta S. Using a High-Fidelity Simulation Mannequin to Foster Pharmacy Student Collaborative Care. American Association of Colleges of Pharmacy Annual Meeting. Kissimmee, FL; July 15, 2012.

Brady JP, Foote EF, Bolesta S. Assessment of Health Literacy Training in P1 Pharmacy Students. American Association of Colleges of Pharmacy Annual Meeting. Kissimmee, FL; July 15, 2012.

Bolesta S, Kong F, Aungst TD. Effect of sodium nitroprusside on the occurrence of atrial fibrillation after cardiothoracic surgery. Society of Critical Care Medicine 41<sup>st</sup> Annual Critical Care Congress. Houston, TX; February 5, 2012.

Bolesta S, Trombetta DP, Longyshore DS. Pharmacy students' perceived value of physical assessment instruction by nursing or pharmacy faculty.

American Association of Colleges of Pharmacy Annual Meeting and Seminars. Seattle, WA; July 11, 2010.

Bolest S, Guzek JR, Uhrin LM. Association of preoperative statins with acute kidney injury after cardiac surgery: utilization of a consensus definition of acute kidney injury. Society of Critical Care Medicine 39<sup>th</sup> Annual Critical Care Congress. Miami, FL; January 10, 2010.

Bolest S. Scoring variability using a standardized evaluation form for a physical assessment practical. American Association of Colleges of Pharmacy Annual Meeting and Seminars. Boston, MA; July 19, 2009.

Bolest S, Longyshore DS, Kang S. Pharmacy student survey of physical assessment instruction and experience. American Association of Colleges of Pharmacy/Canadian Association of Faculties of Pharmacy Annual Meeting and Seminars. Chicago, IL; July 20, 2008.

Bolest S, Erstad BL. Proper use of metoclopramide in ileus and feeding tube placement. Arizona Society of Health System Pharmacists Annual Meeting. Tucson, AZ; July 14, 2001.

Bolest S, Erstad BL. Proper use of metoclopramide in ileus and feeding tube placement. American Society of Health-System Pharmacists Midyear Clinical Meeting. New Orleans, LA; December 6, 2001.

Guharoy R, Choi S, Schachter JM, Bolesta S, Rosher P. Impact of pharmacy participation in infectious disease management team on cost avoidance and clinical outcome in a tertiary care teaching institution. American Society of Health-System Pharmacists Midyear Clinical Meeting. Las Vegas, NV; December 4, 2000.

**Non-Peer-Reviewed Poster**

Bailey BJ, Painter JT, Devlin J, Oyler D, Branan TN, Barletta J et al. Perceived motivating factors and barriers for the completion of postgraduate training in American pharmacy students. American Society of Health-System Pharmacists Midyear Clinical Meeting. New Orleans, LA; December 7, 2015.

Thudium EM, Bolesta S, Steinhubl S. Effect of omega-3 fatty acids on the incidence of major gastrointestinal bleeding in patients with a history of major gastrointestinal bleeding. American Society of Health-System Pharmacists Midyear Clinical Meeting. Las Vegas, NV; December 2, 2012.

Reichert JA, Bolesta S. Effect of ascorbic acid on the incidence of postoperative atrial fibrillation in patient undergoing cardiac surgery. American Society of Health-System Pharmacists Midyear Clinical Meeting. New Orleans, LA; December 6, 2011.

Aungst TD, Bolesta S. Effect of sodium nitroprusside on the incidence of post-operative atrial fibrillation after cardiothoracic surgery. American Society of Health-System Pharmacists Midyear Clinical Meeting. Anaheim, CA; December 6, 2010.

Guinter J, Bolesta S. Association between proton pump inhibitor therapy for stress ulcer prophylaxis and *Clostridium difficile*-associated disease in critically ill patients. American Society of Health-System Pharmacists Midyear Clinical Meeting. Las Vegas, NV; December 6, 2009.

Schneider LM, Bolesta S. Effect of pre-operative statins on acute kidney injury (AKI) following cardiothoracic surgery. American Society of Health-System Pharmacists Midyear Clinical Meeting. Orlando, FL; December 7, 2008.

### Poster Moderator

Society of Critical Care Medicine Annual Care Critical Congress. 2013, 2014, 2023.

American College of Clinical Pharmacy Annual Meeting. Critical Care Practice and Research Network Poster Walk Rounds. 2014 – 2019, 2022 – 2024

### Continuing Education Program

Specialized Topics in Cardiovascular Disease, Cardiology Pharmacy Preparatory Review Course. American College of Clinical Pharmacy. Pre-recorded lecture. 2019 – Present

Halting the Domino Effect: Preventing and Managing Iatrogenic Withdrawal Syndrome. Society of Critical Care Medicine Advanced Pharmacotherapy in Critical Care Course. April 2024.

NECPA IPEC 2015 Faculty Development: Enhancing Interprofessional Communication. The Commonwealth Medical College. Scranton, PA; May 20, 2015.

Medication Therapy for Patient Care: Can We Act Affordably?. Grand Rounds, Regional Hospital of Scranton. Scranton, PA; October 3, 2014.

The What, When and What if of the Novel Oral Anticoagulants. Grand Rounds, Regional Hospital of Scranton. Scranton, PA; June 8, 2012.

Antiplatelet agents in vascular disease: the good, the bad and the ugly. Wilkes University. Wilkes-Barre, PA; March 3, 2009.

Medication errors: an update. Grand Rounds, Mercy Hospital. Scranton, PA; January 19, 2007.

Patient safety and medication errors in the ICU. Critical Care Journal Club, Moses Taylor Hospital. Scranton, PA; August 17, 2006.

Pharmacy jeopardy. Grand Rounds, Mercy Hospital. Scranton, PA; February 17, 2006.

Surviving sepsis campaign. Medicine Grand Rounds, Geisinger Medical Center. Danville, PA; January 7, 2005.

Heparin-induced thrombocytopenia and antibiotics in the critical care setting. Department of Surgery Grand Rounds, Geisinger Medical Center. Danville, PA; March 5, 2004.

Prevention of deep vein thrombosis in neurosurgical patients. Pharmacy Grand Rounds, University of Kentucky. Lexington, KY; October 12, 2001.

Alternative agents for patients with heparin-induced thrombocytopenia. Pharmacy Grand Rounds, University Medical Center. Tucson, AZ; November 6, 2000.

### Reviewer/Referee

### Grants

- ASHP Foundation Research Grant Peer Reviewer
  - Pharmacy Resident Research Grant 2022, 2025
- American Association of Colleges of Pharmacy, New Investigator Award 2024
- Society of Critical Care Medicine *Discovery Grant* 2018 – 2022
- Society of Critical Care Medicine *Vision Grant* 2012 – 2014

### Book Chapters

2024: American College of Clinical Pharmacy, Critical Care Self-Assessment Program (CCSAP) 2025. One chapter reviewed.

2022: American College of Clinical Pharmacy, Ambulatory Care Self-Assessment Program (ACSAP) 2023 (Cardiology Care). One chapter reviewed.

2022: American College of Clinical Pharmacy, Cardiology Self-Assessment Program (CardSAP) 2022 (Heart Failure). One chapter reviewed.

2020: American College of Clinical Pharmacy, Cardiology Self-Assessment Program (CardSAP) 2020 Book 2 (Blood Pressure Disorders). One chapter reviewed.

2018: American College of Clinical Pharmacy, Pharmacotherapy Self-Assessment Program (PSAP) 2019 Book 1 (Cardiology). One chapter reviewed.

2015: 2015 ACCP Updates in Therapeutics: Critical Care Pharmacy Preparatory Course. One chapter reviewed.

2013: Core Curriculum for Critical Care Nursing. 7<sup>th</sup> ed. Two chapters reviewed.

2008: Chisholm-Burns MA, Wells BG, Schwinghammer TL, et al, eds. Pharmacotherapy Principles and Practice. 2nd ed. New York: McGraw Hill, 2009. 387-402. Two chapters reviewed.

### Journals

- *Journal of Critical Care* 2013 – 2015, 2017, 2019, 2020, 2025
- *American Journal of Health-System Pharmacy* 2009, 2010, 2019 – 2023, 2025
- *Journal of Pharmacy Practice* 2024
- *Pharmacotherapy* 2017, 2018, 2020 – 2022, 2024 – 2025
- *American Journal of Pharmaceutical Education* 2011 – 2013, 2015, 2016, 2018 – 2021
- *Journal of Intensive Care Medicine* 2019, 2021
- *Annals of Pharmacotherapy* 2012, 2017, 2018, 2020, 2021
- *Critical Care Explorations* 2020
- *Mayo Clinic Proceedings* 2018
- *Journal of Interventional Cardiology* 2017
- *Journal of Interprofessional Care* 2016, 2017
- *Clinical Journal of the American Society of Nephrology* 2015
- *Currents in Pharmacy Teaching and Learning* 2013, 2015

### Meeting Abstracts

- American College of Clinical Pharmacy Annual Meeting 2017, 2019 – Present
- American College of Clinical Pharmacy Virtual Poster Symposium Abstracts 2020, 2022, 2024
- American Society of Health-System Pharmacists Summer Meetings and Exhibition Poster Abstracts 2022

- American Society of Health-System Pharmacists Midyear Clinical Meeting and Exhibition Professional Posters 2021, 2022
- American College of Clinical Pharmacy Updates in Therapeutics – Late Breaking 2019
- American College of Clinical Pharmacy Global Conference on Clinical Pharmacy – Early Decision 2018
- Society of Critical Care Medicine 42<sup>nd</sup> Annual Critical Care Congress 2012

#### **External Dossier Reviews**

- 2025: School of Health Professions, Saint Joseph's University School of Pharmacy, Thomas Jefferson University
- 2024: School of Pharmacy, University of Pittsburgh School of Medicine, Case Western Reserve University
- 2023: Department of Pharmacy Practice and Administration, Ernest Mario School of Pharmacy, Rutgers, the State University of New Jersey
- 2022: Department of Pharmacy Practice and Administration, Ernest Mario School of Pharmacy, Rutgers, the State University of New Jersey
- 2017: Department of Clinical Pharmacy and Outcomes Sciences, Medical University of South Carolina – College of Pharmacy  
Department of Pharmacy Practice and Administration, Wegmans School of Pharmacy at St. John Fisher College
- 2016: Department of Pharmacy Practice and Administration, Rutgers, The State University of New Jersey
- 2014: Department of Pharmacy and Therapeutics, University of Pittsburgh School of Pharmacy
- 2012: Department of Pharmacy Practice and Pharmacy Administration, University of the Sciences, Philadelphia, Pennsylvania.

#### **Professional Organization Service**

- Reviewer, American Society of Health-System Pharmacists Midyear Clinical Meeting Educational Session Proposals 2020 – Present
- Reviewer, American College of Clinical Pharmacy Outstanding Student Chapter Award 2019 – Present
- Reviewer, American College of Clinical Pharmacy Student Travel Awards 2014 – Present
- Item Reviewer, Board of Pharmacy Specialties, Board Certified Pharmacotherapy Specialist Exam 2022 – 2023
- Reviewer, Society of Critical Care Medicine, Viral Infection and Respiratory Illness Universal Study (VIRUS) ancillary proposals 2020 – 2022
- Board of Pharmacy Specialties, Board Certified Critical Care Pharmacist Examination Standard Setting Panel 2015
- Reviewer, Society of Critical Care Medicine, Clinical Pharmacy and Pharmacology Section, Pre-Peer Review Service 2019

#### **Wilkes University**

- Nesbitt School of Pharmacy Mentorship Program, Mentor 2025

## Other

*Cochrane Database of Systematic Reviews*, Cochrane Heart Group 2011

## MUEs and Policy and Protocol Development

January 11, 2019. Pharmacy Propofol Triglyceride Monitoring Protocol. Protocol. Wilkes-Barre General Hospital. Wilkes-Barre, PA.

February 20, 2008. Adult alcohol withdrawal protocol. Protocol. Mercy Hospital. Scranton, PA.

March 22, 2007. ICU electrolyte replacement protocol. Protocol/Order Set. Mercy Hospital. Scranton, PA.

October 10, 2004: Intravenous pantoprazole. Medication Use Evaluation. Geisinger Medical Center. Danville, PA.

February 24, 2003: ICU insulin protocol. Protocol. Union Memorial Hospital. Baltimore, MD.

January 22, 2003: Vasopressin for septic shock. Hospital Policy. Union Memorial Hospital. Baltimore, MD.

January 10, 2003: Use criteria for intravenous pantoprazole in stress ulcer prophylaxis. Hospital Policy. Union Memorial Hospital. Baltimore, MD.

October 4, 2002: Use criteria for intravenous chlorothiazide (Diuril® IV). Hospital Policy. Union Memorial Hospital. Baltimore, MD.

June 1, 2001: Danaparoid sodium and lepirudin. Medication Use Evaluation. University Medical Center. Tucson, AZ.

## Professional Affiliations

- American Association of Colleges of Pharmacy 2005 – Present
  - *Pharmacy Practice Section* 2005 – Present
  - *Pharmacogenomics Special Interest Group* 2017 – 2021
- Society of Critical Care Medicine 2001 – Present
  - *Research Section* 2013 – Present
  - *Clinical Pharmacy and Pharmacology Section* 2002 – Present
- American Society of Health-System Pharmacists 1997 – Present
  - *Section of Inpatient Care Practitioners* 2024 – Present
  - *Section of Clinical Specialists and Scientists* 2002 – Present
  - *Faculty Liaison, Wilkes University Student Chapter* 2008 – 2014
- American College of Clinical Pharmacy 1997 – Present
  - *Faculty Liaison, Wilkes University Student Chapter* 2019 – Present
  - *Practice-Based Research Network* 2010 – Present
  - *Critical Care Practice and Research Network* 2001 – Present
  - *Pharmacokinetics/Pharmacodynamics/Pharmacogenomics Practice and Research Network* 2017 – 2018
- Kappa Psi Pharmaceutical Fraternity, Incorporated 1997 – Present
- The United States Critical Illness and Injury Trials Group 2012 – 2017
- Critical Care Pharmacy Trials Network 2007 – 2017
- Pennsylvania Society of Health-System Pharmacists 2003 – Present
  - 1999 – 2000

## Community Service and Volunteerism

- Katy's Kids March 2025
- Nesbitt School of Pharmacy DEIA Symposium March 2024
- Colonels Connect Rx April 9, 2024
- Colonels Connect Rx November 3, 2023
- Geisinger School of Medicine Admissions Event October 27, 2023
- Colonels Connect Rx October 23, 2019
- Colonels Connect Rx April 10, 2019
- Colonels Connect Rx October 30, 2018
- Colonels Connect Rx April 25, 2018
- Travel Medicine at Wilkes Employee Health Fair with ASHP student chapter March 25, 2014
- Heart Health Awareness with the American Pharmacists Association – Association of Student Pharmacists February 7, 2013
- Travel Medicine at Wilkes Employee Health Fair with ASHP student chapter March 27, 2012
- National Community Pharmacists Association Blood Pressure Screening March 13, 2012
- National Community Pharmacists Association Blood Pressure Screening November 8, 2011
- Invited Speaker for Mended Hearts patient support group, Scranton Chapter, Regional Hospital of Scranton, Scranton, PA August 18, 2011
- Breast Cancer Awareness at Wilkes Employee Health Fair with ASHP student chapter March 22, 2011
- Invited Speaker for Mended Hearts patient support group, Scranton Chapter, Mercy Hospital, Scranton, PA June 2009
- Nesbitt School of Pharmacy Community Brown Bag December 2006
- Community Heartburn Screening with ASHP student chapter November 2006
- National Pharmacy Week at Union Memorial Hospital October 2002

## References

Available upon request