

Cleveland Clinic Akron General

Pharmacy Selected Publications 2016-2020

- Cucci M, Cunningham B, Patel J, Shimer A, Mofleh D, Mullenc. Impact of early reinitiation of neuropsychiatric medications on agitation and delirium in the intensive care unit: A retrospective study. *Ann Pharmacother*. 2020 Jun 21;1060028020935589.
- Do T, Garlock J, Williams A, Mullen C, Frazee L. Pharmacy Facilitated Medication History Program at a Community Teaching Hospital: A Pre-Post Implementation Study in the Emergency Department. *American Journal of Health-System Pharmacy*. Accepted May 22, 2020.
- Cucci M, Wooten C, Fowler M, Mallat A, Hieb N, Mullen C. Incidence and risk factors associated with multi-drug-resistant pathogens in a critically ill trauma population: a retrospective cohort study. *Surg Infect (Larchmt)*. 2020 Feb;21(1):15-22.
- Wheeler S, Matt-Amaral L, Mullen C, Townley C, Boros M. Evaluation of Direct Oral Anticoagulant Use for Cancer-Associated Thromboembolism. *Journal of Hematology Oncology Pharmacy*. Accepted Jan 22, 2020.
- Joyner KR, Soric MM, Boyle JA, et al. Mineralocorticoid Receptor Antagonist Utilization in a Nationally Representative Heart Failure With Reduced Ejection Fraction Outpatient Population: A Cross-Sectional Study. *Am J Ther*. 2020;27(2):e165-e176.
- Rodriguez R, Cucci M, Kane S, Fernandez E, Benken S. Novel Vasopressors in the Treatment of Vasodilatory Shock: A Systematic Review of Angiotensin II, Selepressin, and Terlipressin. *J Intensive Care Med*. 2020;35(4):327-337.
- Cucci M, Benken S. Blood pressure variability in the management of hypertensive emergency: A narrative review. *J Clin Hypertens (Greenwich)*. 2019 Nov;21(11):1684-1692.
- Nofziger JL, Paxos C, Emshoff J, Mullen C. Evaluation of dextromethorphan with select antidepressant therapy for the treatment of depression in the acute care psychiatric setting. *Ment Health Clin*. 2019 Mar 1;9(2):76-81.
- Garlock J, Lee L, Cucci M, Frazee L, Mullen C. Suspected gonorrhea and chlamydia: Incidence and utilization of empiric antibiotics in a health system emergency department. *Am J Emerg Med*. 2019 May;37(5):884-889
- Soric MM, Paxos C, Dugan SE, et al. Prevalence and Predictors of Benzodiazepine Monotherapy in Patients With Depression: A National Cross-Sectional Study. *J Clin Psychiatry*. 2019 May 21;80(4):18m12588.
- Alastanos JN, Paxos C, Emshoff J. Evaluation of oral antipsychotic supplementation of select second-generation long-acting injectable antipsychotics in an acute-care psychiatric setting. *Ment Health Clin*. 2019 Jan 4;9(1):18-23.
- Harig A, Rybarczyk A, Benedetti A, Zimmerman J. Clarification of Drug Allergy Information Using a Standardized Drug Allergy Questionnaire and Interview. *P T*. 2018 Aug;43(8):480-504.
- Brown E, Campana C, Zimmerman J, Brooks S. Icatibant for the treatment of orolingual angioedema following the administration of tissue plasminogen activator. *Am J Emerg Med*. 2018;36(6):1125.e1-1125.e2.

- Sethi SK, Krishnappa V, Nangethu N, Nemer P, Frazee LA, Raina R. Antibiotic Dosing in Sustained Low-Efficiency Dialysis in Critically Ill Patients. *Can J Kidney Health Dis.* 2018;5:2054358118792229. Published 2018 Aug 10.
- Hammond DA, Russell N, Davis NC, et al. Financial costs of pursuing postgraduate residency training. *Am J Health Syst Pharm.* 2018;75(17):1266-1267.
- Hicho MD, Rybarczyk A, Boros M. Interventions unrelated to anticoagulation in a pharmacist-managed anticoagulation clinic. *Am J Health Syst Pharm.* 2016;73(11 Suppl 3):S80-S87.
- Soric MM, Moorman JM, Boyle JA, Dengler-Crish CM. Prevalence and Predictors of Metformin Prescribing in Adults with Type 2 Diabetes Mellitus: A National Cross-Sectional Study. *Pharmacotherapy.* 2016;36(7):715-722.

Cleveland Clinic Akron General  
Pharmacy Residency Research Projects

**Academic Year: 2019-2020**

**A Multicenter, Retrospective Cohort Evaluating the use of Ceftaroline versus Vancomycin in *Staphylococcus aureus* Osteomyelitis**

**Resident** David Comshaw-Arnold, PharmD

**Advisors** Dustin Freshwater, PharmD, BCIDP; Bhavin Mistry, PharmD, BCPS, BCIDP; Donald Dumford III, MD; Chanda Mullen, PhD

**Incidence of fluoroquinolone prescribing in the outpatient setting and associated adverse events**

**Resident** Kristine Duly, PharmD

**Advisors** Melanie L. Boros, PharmD, BCPS, BCACP; Amy Fanous, PharmD, BCACP; Lawrence A. Frazee, PharmD, BCPS; Chanda Mullen, PhD; Ken K. Wong, MD

**The evaluation of prescribing patterns in post-surgical patients receiving concomitant tramadol and serotonergic medications.**

**Resident** Christina Brown, PharmD

**Advisors** Ronda Ambroziak, PharmD; Jenna Garlock, PharmD, BCPS; Lawrence Frazee, PharmD, BCPS; Chanda Mullen, PhD; John Petrus, MD; Timothy Marks, MD

**Weight-based insulin dosing compared to titration driven by glucose reduction in patients with diabetic ketoacidosis.**

**Resident** Nathan Bohach, PharmD

**Advisors** Melissa Fowler, PharmD, BCPS, BCCCP; John M. Moorman, PharmD, BCPS; Brittany Cunningham, PharmD, BCPS, BCCCP; Chanda Mullen, PhD

**Predictors of negative outcomes following Direct Oral Anticoagulant (DOAC) reversal with Factor Eight Inhibitor Bypassing Activity (FEIBA) in patients that develop an Intracranial Hemorrhage (ICH)**

**Resident** Martha Zimmerman, PharmD

**Advisors** Andrea Williams, PharmD, BCPS, BCCCP; Kathryn Heimann, PharmD, BCPS; Georgia Zachopoulos, DO, FACOEP; Chanda Mullen, PhD

**Evaluation of intravenous lorazepam dosing strategies and the incidence of refractory status epilepticus**

**Resident** Alicia Cetnarowski

**Advisors** Brittany Cunningham, PharmD, BCPS, BCCCP; Melissa Fowler, PharmD, BCPS, BCCCP; Chanda Mullen, PhD

**Evaluation of Levocarnitine and Lactulose for the Treatment of Valproic Acid-Induced Hyperammonemia in Critically Ill Patients**

**Resident** Carli Nicholson, PharmD

**Advisors** Brittany Cunningham, PharmD, BCPS, BCCCP; Melissa Fowler, PharmD, BCPS, BCCCP; Chanda Mullen, PhD

**Clinical utility of Nasal MRSA Screening in the prediction of MRSA Intra-Abdominal Infections in Critically Ill Adult Patients**

**Resident** Sean Bennett, PharmD

**Advisors** Michaelia Cucci, PharmD, BCPS, BCCCP; Bhavin Mistry, PharmD, BCPS, BCIDP; Chanda Mullen, PhD

**Academic Year: 2018-2019**

**Outpatient Prescribing of Antibiotics for Acute Exacerbation of Chronic Obstructive Pulmonary Disease**

**Resident** Akshith Dass, PharmD

**Advisors** Bhavin Mistry, PharmD, BCPS, BCIDP; Dustin Freshwater, PharmD; Chanda Mullen, PhD; Timothy Brown, PharmD, BCACP, FASHP

**The Impact of Ketamine on Opioid Requirements for Analgesia in Trauma Patients.**

**Resident** Sara Shuss, PharmD

**Advisors** Jacob Zimmerman, PharmD; Andrea Williams, PharmD, BCPS, BCCCP; Chanda Mullen, PhD; William Leukhardt, MD; Nathan Hieb, MD

**Impact of antihistamine administration on morphine milligram equivalent requirements utilized for the treatment of Sickle Cell Disease associated vaso-occlusive crisis**

**Resident** Christopher Tweed, PharmD

**Advisors** Jessica B. Emshoff, PharmD, BCPS; Ronda Ambroziak, PharmD, Caroline Townley, PharmD; Chanda Mullen, PhD; John J. Petrus, MD

**Evaluation of Direct Oral Anticoagulant Use for Cancer-Associated Thromboembolism**

**Resident** Sarah Wheeler, PharmD

**Advisors** Melanie L. Boros, PharmD, BCPS, BCACP; Laurie Matt-Amaral, MD, MPH; Chanda Mullen, PhD; Caroline P. Townley, PharmD, BCOP

**Efficacy of Levetiracetam for Seizure Prophylaxis in Adults with Intracranial Hemorrhage**

**Resident** Sean Bennett, PharmD

**Advisors** Jenna Garlock, PharmD, BCPS; Brittany Cunningham, PharmD, BCPS, BCCCP; Melissa Fowler, PharmD, BCCCP ; Chanda Mullen, PhD

**Evaluation of hemodynamic adverse effects of dexmedetomidine compared to propofol in critically ill trauma and surgical patients**

**Resident** Carli Nicholson, PharmD

**Advisors** Michaelia Cucci, PharmD, BCPS, BCCCP; Lawrence A. Frazee, PharmD, BCPS; Chanda Mullen, PhD

**Evaluation of weight-based dosing of unfractionated heparin in critically ill obese patients**

**Resident** Hannah Adams, PharmD

**Advisors** Angela Righi, PharmD, BCCCP; Melissa Fowler, PharmD, BCPS, BCCCP; Jaimini Patel, PharmD, BCCCP; Chanda Mullen, PhD

**Academic Year: 2017-2018**

**Evaluation of serum vitamin B12 levels and supplementation utilization in ambulatory patients prescribed metformin for type 2 diabetes mellitus**

**Resident** Zachary Brock, PharmD

**Advisors** Amy Rybarczyk, PharmD, BCPS; Melanie Boros, PharmD, BCPS

### **Evaluation of urine cultures in patients discharged from the emergency department**

**Resident** Amy Fabian, PharmD

**Advisors** Jenna Garlock, PharmD, BCPS; Andrea Williams, PharmD, BCPS, BCCCP; Chanda Mullen, PhD; Andrew Yocum, MD

### **Evaluation of multi-drug resistant pathogens in a critically ill trauma population**

**Resident** Courtney Wooten, PharmD

**Advisors** Michaelia Cucci, PharmD, BCPS, BCCCP; Melissa Fowler, PharmD, BCPS, BCCCP; Chanda Mullen, PhD; Nathan Hieb, MD; Ali Mallat, MD

### **External validation of a hypoglycemia risk model on patients admitted to medical/surgical floors**

**Resident** Doug Gugel-Bryant, PharmD

**Advisors** John Moorman, PharmD, BCPS; Patrick Gallegos, PharmD, BCPS; Caroline Townley, PharmD; Chanda Mullen, PhD; Caroline Mangira, RN, MPH

### **Evaluation of dextromethorphan with select antidepressant therapy for the treatment of depression in the acute-care psychiatric setting**

**Resident** Jill Nofziger

**Advisors** Chris Paxos, PharmD, BCPP, BCPS, BCGP; Jessica Emshoff, PharmD, BCPS, BCGP; Chanda Mullen, PhD

### **Impact of discontinuation of amiodarone on warfarin dosing and INR in patients taking warfarin managed through an anticoagulation clinic**

**Resident** Gina Panno, PharmD

**Advisors** Melanie L. Boros, PharmD, BCPS; Lawrence A. Frazee, PharmD, BCPS; Chanda Mullen, PhD

### **Pharmacy Facilitated Medication Historian Program at an Academic Medical Center: A Pre-Post Implementation Study in the Emergency Department**

**Resident** Tina Do, PharmD

**Advisors** Lawrence Frazee, PharmD, BCPS; Jenna Garlock, PharmD, BCPS; Andrea Williams, PharmD, BCPS, BCCCP; Ashley Heaney, MD; Chanda Mullen, PhD

**The effect of dexmedetomidine versus propofol on the incidence of post-cardiac surgery atrial fibrillation**

**Resident** Brianna Thompson, PharmD, BCPS

**Advisors** Angela Righi, PharmD, BCCCP; Joseph Lahorra, MD, Chanda Mullen, PhD

**Academic Year: 2016-2017**

**Evaluation of Perioperative Medication Regimens in Bariatric Surgery Patients**

**Resident** Tricia Glaspell, PharmD

**Advisors** Melanie Boros, PharmD, BCPS; Lawrence Frazee, PharmD, BCPS; Timothy Brown, PharmD; John M. Moorman, PharmD, BCPS; Amy Laktash MSN, RN, NP-C

**The clinical and economic impact of extended-infusion versus intermittent-infusion piperacillin-tazobactam for selected gram-negative infections at a community medical center**

**Resident** Kevin Krivanek, PharmD

**Advisors** Amy Rybarczyk, PharmD, BCPS; James Reissig, PharmD, BCPS; Patrick Gallegos, PharmD, BCPS; Ken Koon Wong, MD

**Evaluation of suspected gonorrhea and chlamydia incidence and the utilization of empiric antibiotics within a large, academic emergency department setting.**

**Resident** Leborah Smith, PharmD

**Advisors** Jenna Garlock, PharmD, BCPS; Michaelia Cucci, PharmD, BCPS, BCCCP; Lawrence Frazee, PharmD, BCPS; Chanda Mullen, PhD

**Assessment of Select Components of CMS Core Measure Compliance in Patients with Malignancy and Neutropenic Sepsis**

**Resident** Justin Andras, PharmD

**Advisors** Jessica Boss, PharmD, BCPS; Chris Paxos, PharmD, BCPS; Nicole McMullen, PharmD, BCOP; Julie Imani MSN, CNS, OCN

**A comparison of total cumulative dose of intranasal versus intravenous naloxone in patients with opioid overdose**

**Resident** Colleen Wilaj, PharmD

**Advisors** Ronda Ambroziak, PharmD; Amanada Benedetti, PharmD; Jacob Zimmerman, PharmD

**The Impact of Offering a Urinalysis with Reflex to Culture on Antibiotic Usage and Utilization of Urine Studies for Patients Admitted to an Internal Medicine Service**

**Resident** Leah Dunnells, PharmD

**Advisors** Bhavin Mistry, PharmD, BCPS; Lawrence A. Frazee, PharmD, BCPS

**Interventions and Cost Savings Associated with Pharmacy Residents Rounding on Weekends in a Medical Intensive Care Unit**

**Resident** Emily Brown, PharmD

**Advisors** Melissa Fowler, PharmD, BCPS, BCCCP; Jodi Dreiling, PharmD, BCPS, BCCCP; Chanda Mullen, PhD

**Incidence of Potassium Abnormalities during Cooling, Maintenance, and Rewarming Phase of Therapeutic Hypothermia in Patients after Return of Spontaneous Circulation**

**Resident** Jennifer Jankovsky, PharmD

**Advisors** Jodi Dreiling, PharmD, BCCCP, BCPS; Melissa Fowler, PharmD, BCCCP, BCPS