

The Ohio State Wexner Medical Center PGY1 Pharmacy Residency Program

Research Projects

2017 – 2018			
Name	Project Title	Published (Y/N)	Publication citation
Lauren Beauchamp	Sweet and Sour: Impact of Early Glycemic Control on Outcomes in Necrotizing Soft-Tissue Infections	Y	Surgical Infections. 2019; 20 (4): 305-310.
Jennifer Cook	Comparison of Direct Oral Factor Xa Inhibitors versus Warfarin for the Treatment of Venous Thromboembolism in Obese or Overweight Patients: A Retrospective Analysis	Y	J Hematol Oncol Pharm. 2021; 11(2):77-83.
Maya Holsen	Clinical outcomes following treatment of Enterobacter species pneumonia with piperacillin/tazobactam compared to cefepime or ertapenem	Y	International Journal of Antimicrobial Agents. 2019; 54 (6): 824-828.
Justin Tossey	Oral Fluoroquinolones for definitive treatment of gram-negative bacteremia in cancer patients	Y	Supportive Care in Cancer. 2021; 29: 5057-5064.
Adam Wiss	Predictors and Complications of Hyperchloremia in Intracerebral Hemorrhage Patients	N	
2018 – 2019			
Name	Project Title	Published (Y/N)	Publication citation
Austin Brown	Discordance of Renal Drug Dosing Using Estimated Creatinine Clearance and Measured Urine Creatinine Clearance in Hospitalized Adults	Y	Int J Crit Illn Inj Sci. 2020; 10(Suppl 1): 1 – 5.
Tracelyn Freeman	High-dose methotrexate-based regimens with or without vincristine for the treatment of primary central nervous system lymphoma	Y	Neurooncol Adv. 2020 Jun 29;2(1):vdaa077.
Rachel Lavelle	Correlation of Measured and Estimated Creatinine Clearance in Hospitalized Elderly	Y	Hosp Pharm. 2021 Oct;56(5):474-480.

BrookeAnne Magrum	Combating the Opioid Epidemic in the Acute Care Surgery Patient: Reframing Inpatient Acute Pain Management	Y	J Surg Res. 2020 Jul;251:6-15.
Emily O'Neil	Evaluation of an outpatient parenteral antimicrobial therapy (OPAT) service on readmission and emergency department visits in patients with Staphylococcus aureus bacteremia	N	
2019 – 2020			
Name	Project Title	Published (Y/N)	Publication citation
Lindsey Groff	Effectiveness of Short versus Long Course Perioperative Antibiotics in Lung Transplant Recipients with Donor Positive Respiratory Cultures	Y	Transpl Infect Dis. 2021 Jun;23(3):e13518.
Kayla John	Impact of the Injectable Opioid Drug Shortage on Analgesia and Sedation Management in the Medical Intensive Care Unit: A Retrospective Cohort Study	Y	Hospital Pharmacy. March 2021. Epub ahead of print.
Rachel Klosko	Delirium incidence and risk factors in hematology-oncology patients admitted to the intensive care unit	Y	Int J Crit Illn Inj Sci. 2021 [Epub ahead of print] .
Pooja Kumar	Substance Abuse Risk and Monitoring in Patients with Advanced Lung Cancer Receiving Palliative Care	Y	J Pain Palliat Care Pharmacother. 2021 Jun;35(2):91-99.
Alyssa Rinaldi	Fidaxomicin versus oral vancomycin in the treatment of recurrent Clostridioides difficile infections	Y	J Clin Pharm Ther. 2021 Aug;46(4):993-998.
2020 – 2021			
Name	Project Title	Published (Y/N)	Publication citation
Austin Bolker	Predictors of Respiratory Bacterial Co-Infection in Hospitalized COVID-19 Patients	Y	Diagn Microbiol Infect Dis. 2022 Jan;102(1):115558.
Robert Brennehan	Evaluation of Inpatient Opioid Usage in Non-ICU Trauma Patients Before and After Implementing Multimodal Analgesia Order Sets	Y	J Sur Res. 2022 Sep; 277: 79-83. doi: 10.1016/j.jss.2022.03.015. Epub 2022 Apr 22.
Ryan Caputo	Clinical Outcomes with Ertapenem for Pneumonia in Obese versus Non-obese Patients	Y	Antimicrob Agents Chemother. 2022 Jan 18;66(1):e0132521.

Jacob Counts	Risk Factors Associated with Suboptimal Tobramycin Levels in the Medical Intensive Care Unit	Y	Eur J Drug Metab Pharmacokinet. 2022; doi: 10.1007/s13318-021-00749-2. (Epub ahead of print)
Megan Fleming	Outcomes of Day One High-Dose Methotrexate with R-CHOP and CHOP: A Single-Center Experience	Y	Blood Adv. 2022 Jan 25;6(2):460-472.
Angad Sodhi	Comparison of nurse-titrated versus provider-titrated continuous infusion ketamine for ICU sedation	Still in progress as of 9/13/24	
2021 – 2022			
Name	Project Title	Published (Y/N)	Publication citation
Anna Aycock	Association between Vancomycin AUC and Clinical Failure in Patients with Streptococcal Bacteremia	Y	Hosp Pharm. 2023 Jun;58(3):289-294.
Riley Karpen	Evaluation of an Automated, Pharmacist-Driven, Antimicrobial Patient Acuity Scoring System for Hospitalized Bacteremic Patients	Y	Hosp Pharm. 2024 Feb;59(1):32-38.
Timothy Schieber	First Line Treatment of Hepatocellular Carcinoma with Nivolumab in Patients Ineligible for Antiangiogenic Therapy	Y	Cancer Med J 6(S7): 14-22.
Shane Sheredy	Risk Stratification for Supratherapeutic Peak Anti-Xa Levels in Adult Patients on Therapeutic Enoxaparin	Y	Ann Pharmacother. 2024 Apr;58(4):366-374
2022 – 2023			
Name	Project Title	Published (Y/N)	Publication citation
Alesia Adams	Evaluation of one-bag vs two-bag method for treatment of DKA	Submitted	Journal of Emergency Medicine
Zachary Arnold	Comparing second line toxicities of ibrutinib after venetoclax to venetoclax after ibrutinib in patients with relapsed/refractory chronic lymphocytic leukemia	In Progress	
Christopher Lee	Levofloxacin PO versus levofloxacin IV therapy for streptococcus BSI	N	
Megan McClain	Clinical comparison of adjusted body weight-based versus actual body weight-based daptomycin dosing for obese patients with MRSA bacteremia	In Progress (multicenter study)	

Samantha Pan	Effect of time to therapeutic vancomycin (VAN) on clinical outcomes in hospitalized patients with MRSA pneumonia	In Progress	
2023 – 2024			
Name	Project Title	Published (Y/N)	Publication citation
Lauren Fortini	Retrospective Review of Opioid Prescribing Practices in Patients with Substance Use Disorder and Cancer-Related Pain	In progress	Target: Journal of Pain and Palliative Care Pharmacotherapy
Emily Graves	Comparison of trimethoprim-sulfamethoxazole versus minocycline monotherapy for treatment of Stenotrophomonas maltophilia pneumonia	Submitted	Journal of Antimicrobial Chemotherapy
Delvin Omer	Assessing the correlation between PhORCAS letters of recommendation and clinical aptitude among PGY1 pharmacy residency candidates	Submitted	American Journal of Pharmaceutical Education
Vindya Perera	Daptomycin versus Beta-Lactam Based Therapy for the Treatment of Enterococcal Endocarditis	Submitted	Journal of Antimicrobial Chemotherapy
Kennedi Saterfield	Efficacy of intravenous buprenorphine for acute pain in critically ill patients in a medical intensive care unit	Submitted	Critical Care Medicine
Essilvo Sulejmani	Response of Serum Creatinine to Albumin Protocol Adjustment: A Pre- and Post-analysis	Submitted	Hepatology
2024 – 2025			
Sidney Drake	High Dose Daptomycin vs best available therapy for Invasive Infections caused by E Faecalis with MIC 4 mcg/mL		
Mikayla Gerdes	Predictive Value of Methicillin-Resistant Staphylococcus aureus (MRSA) Nasal Swab PCR Assay for MRSA Pneumonia in Critically Ill Stroke Patients		
Madison Puryear	Evaluation of Risk Factors Associated with Phenobarbital Dose Escalation for Treatment of Alcohol Withdrawal		
Cooper Sadowski	Comparison of ARC Score vs ARCTIC Score to Confirm Augmented Renal Clearance		
Samantha Steele	Hepatotoxicity: Isavuconazole vs Posaconazole		