



Wellstar MCG Medical Center
 (formerly AU Medical Center)
& University of Georgia
PGY1 Pharmacy Resident Projects



Name and Year	Research Project Title	Quality Project Title
2023-2024		
Najla Faddoul	Use of Mineralocorticoid Receptor Antagonists (MRAs) [Spironolactone] in patients with Heart Failure and CKD	Low Dose Epinephrine in the Pediatric ICU and Pediatric Emergency Department
Lucy Gloe	Budesonide prophylaxis for patients with multiple myeloma (MM) undergoing autologous hematopoietic cell transplantation	Ensuring Appropriate Timing of Serum Levels for Therapeutic Drug Monitoring (TDM)
Alex Kwan	RSI Induction Choice and Outcomes: National Survey of Emergency Medicine Pharmacists	LDL-C Threshold Achievement in Patients with Atherosclerotic Cardiovascular Disease (ASCVD)
Kelsea Mabie	Efficacy & Safety of a Regional Citrate Anticoagulation and Calcium Chloride Replacement Protocol for CVVH-DF – Continuous Venovenous Hemodiafiltration	Appropriateness of Use of Buprenorphine for Patients in a Family Medicine Controlled Substance Clinic
Omar Mouna	Utility of Point of Care Glucose Checks in a Primary Care Clinic	Impact of Pharmacist Involvement in Pediatric Complex Care on Hospital Readmissions
Hah Tran	Impact of a Holistic Approach to Penicillin Allergy Assessment (in the Operating Room, Emergency Department & the Inpatient Setting)	Dual Antiplatelet Therapy in Hospital Patients After Transient Ischemic Attacks (TIA) and Stroke
2022-2023		
Gabby Bachner	Impact of Sulfamethoxazole/Trimethoprim (SMP/TMP) for <i>Pneumocystis jirovecii</i> Pneumonia Prophylaxis on Bacteriuria Incidence in Kidney Transplant Recipients	Ensuring Documentation of Screening and Administration of Pneumococcal Vaccine in Pediatric Inpatients
Bailey Brogdon	Discontinuation of Inhaled Cycled Suppressive Antibiotic Therapy in Cystic Fibrosis	Evaluation of Triple Antithrombotic Therapy
Zack Brown	Melphalan Dosing for Autologous Stem Cell Transplantation in Patients with Multiple Myeloma	Evaluation of Thymoglobulin Dosing Strategies for Cost Minimization in Kidney Transplant Recipients
Carly Loudermilk	Evaluation of Partial Oral versus Intravenous Antibiotic Treatment of Enterococcus Faecalis Bloodstream Infections (Lead Investigator/Site for Multisite Study)	Evaluation of Benzodiazepine Prescribing, Dosing and Duration in Hospitalized Adult Patients with Alcohol Withdrawal
Emily Royal Hightower	Asthma Directed Therapy in the Pediatric Emergency Department	Evaluation of Pharmacist-to-Dose Warfarin Protocol
Rachel Robinson	Comparison of Low Intensity Heparin Protocol versus Standard Intensity Heparin Protocol in Adult ECMO Patients	Evaluation of Electrolyte Disturbances with an Institutional Diabetic Ketoacidosis Order Set

2021-2022		
Hanna Azimi	Use of Oral Opioids to Facilitate Weaning of Parenteral Opioids in Critically Ill Adult Patients	Process Improvement for Approval and Use of High-Cost Nonformulary Medications in Oncology Patients
Hui Lin	Assessment of MRSA Nasal PCR Negative Predictive Value in Immunocompromised Patients	Implementation of a Pharmacist-Driven Protocol to Reduce Inappropriate Use of Stress Ulcer Prophylaxis in Hospitalized Patients and at Discharge
Tim Jones	Daptomycin Monotherapy or Daptomycin Plus Ceftaroline Combination Therapy in Methacillin Resistant Staphylococcus Aureus Bacteremia	Optimizing the Use of Inpatient Insulin
Yancey Murray	Evaluation of Empiric Antimicrobial use in Pediatric Patients Presenting to the Emergency Department with Presumed Febrile Neutropenia Before, During and After the Implementation of a Pediatric Emergency Medicine Pharmacist, Institutional Guideline, and PowerPlan	Outpatient Antimicrobial Stewardship Practices - Pediatrics
Campbell Scott	Pharmacist-Led Post Discharge Clinic for Patients with Cancer	Evaluating Dosing of Antithrombin III in Pediatric Patients
2020-2021		
Aaron Chase	Does Addition of Cannabidiol (Epidiolex) To Current Antiepileptic Drug (AED) Regimen Decrease Seizure Related ED Visits And Hospital Admissions?	Evaluating Institutional Use of Antimicrobial Prophylaxis In Acute Myeloid Leukemia (AML) Patients Undergoing Outpatient Induction Chemotherapy
Behren Ketchum	Leadership Development for Pharmacy Technicians National Survey	Evaluating Calcitonin Use in Hypercalcemia of Malignancy
Juliette Miller	Assessment of 23.4% sodium chloride addition to automated dispensing cabinets on time to administration.	Evaluation of chronic opioid prescribing by physicians in Family Medicine Clinic
Aubrey Slaughter	Incidence and Risk Factors Associated with Antidepressant and Anxiolytic Use Following Kidney Transplant	Evaluation of the Key Potentially Inappropriate Drugs in Pediatrics (KIDs) List in the Children's Hospital of Georgia
Victoria Urban	Evaluation of antibiotic duration of therapy for ventilator-associated tracheitis in children with pre-existing tracheostomies	Improving Processes for Inpatient Utilization of oral contrast
2019-2020		
Lydia Girgis	Evaluation of Medications, Maintenance Fluids and Chloride Burden in Acute Surgery Intensive Care Unit Patients	Evaluation of Inpatient Warfarin Use (and development of an updated warfarin guideline/monitoring protocol)
Emily Harden	Vancomycin Plus Cefazolin versus Vancomycin Alone for the Prevention of Post-Catheter Removal Clinical Sepsis in Neonates	Assessment of Efficacy and Compliance with Nurse-Driven Heparin Protocols Using Anti-Xa Assay Monitoring
Kyree Henry	Insurance Status As a Determinate of Time-In-Therapeutic-Range Within A Pharmacist-Managed Anticoagulation Clinic	Characterizing Pharmacists' Alert Burden During Electronic Order Verification – Developing A Process to Optimize Alerts
Bernard Hsia	Implementing Pharmacy Informatics Strategies to Improve Leapfrog Scores at an Academic Medical Center	Development, Implementation and Evaluation of Criteria for Inpatient Versus Outpatient Chemotherapy Administration
Kelli Keats	Extended Duration of Clostridioides difficile Treatment in Hematology/Oncology Patients Receiving Concurrent Antibiotics	Evaluation of neuromuscular blocking agents (NMBA) use in the critical care setting (and improving the safety of NMBA, including revised guidelines for use)

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Continued



**UNIVERSITY OF
GEORGIA**
College of Pharmacy



Name and Year	Research Project Title	Quality Project Title
2018-2019		
Taylor Clark Bowick	Efficacy of Adjunct Corticosteroid Treatment in Pediatric Cystic Fibrosis Pulmonary Exacerbations	Assessment and Optimization of Pain Management at AU Medical Center – Development of Opioid Stewardship Dashboard
Paige Eber	Impact of A Computerized Clinical Decision Support Subphase On Appropriateness Of Stress Ulcer Prophylaxis Prescribing	Analysis and Optimization of Pharmacy Operations Workflow to Improve Emergent and Urgent Order Turnaround Time
Lauren Freeman	Assessment of Electrolyte Replacement in Critically Ill Patients During a Drug Shortage	Assessment of Heparin Induced Thrombocytopenia Panel Ordering Practices and Approach to Management (and HIT Guideline Development)
Jessica Ringler	Efficacy and Safety of a Standardized Diabetic Ketoacidosis Management Protocol in an Academic Medical Center	Evaluation of Extended Interval Aminoglycoside Dosing in Pediatric Cystic Fibrosis Patients (and Protocol Development)
Ashley Taylor	Assessing the need for routine anti-factor Xa monitoring of weight-based enoxaparin for venous thromboembolism prophylaxis in trauma patients	Evaluation of aminoglycoside and vancomycin pharmacy-driven dosing protocols at an academic medical center
2017-2018		
Paul Bauman	Effects of “Meds-to-Beds” on Pediatric Asthma Post-Hospitalization Outcomes	Improving Prescribing, Monitoring and Outcomes of QTc Interval Prolonging Medications
Sarah Clements	Creation of an ICU-specific Antibigram: Should Local Resistance Patterns Refer to An Individual Intensive Care Unit or Institution?	Evaluation of Scheduled Treatment for Alcohol Withdrawal on Adult Medicine Floors
Shaily Doshi	Prolonged Versus Short Infusion Rates of IV Magnesium in Hospitalized General Medicine Patients with Hypomagnesemia	Medication Omission: Assessment of Medications Documented as Not Administered
Michelle Leatherwood	Impact of Medication Bedside Delivery Program on Readmission Rates in Heart Failure Patients	Risk Evaluation and Mitigation Strategies (REMS) Compliance and Documentation
Lindsey Sellers Copianno	Impact of a Pharmacist Driven Protocol for Automatic Addition and Removal of Prophylactic Growth Factor from Chemotherapy Orders	Evaluating Prophylactic Growth Factor Use for Chemotherapy Regimens



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Sarah Clements	Creation of an ICU-specific Antibigram: Should Local Resistance Patterns Refer to An Individual Intensive Care Unit or Institution?	Evaluation of Scheduled Treatment for Alcohol Withdrawal on Adult Medicine Floors
Shaily Doshi Michelle Leatherwood	Prolonged Versus Short Infusion Rates of IV Magnesium in Hospitalized General Medicine Patients with Hypomagnesemia Impact of Medication Bedside Delivery Program on Readmission Rates in Heart Failure Patients	Medication Omission: Assessment of Medications Documented as Not Administered Risk Evaluation and Mitigation Strategies (REMS) Compliance and Documentation
Lindsey Sellers Copianno	Impact of a Pharmacist Driven Protocol for Automatic Addition and Removal of Prophylactic Growth Factor from Chemotherapy Orders	Evaluating Prophylactic Growth Factor Use for Chemotherapy Regimens
2016-2017		
Michelle Borg	Comparison of 3-year Rejection Rates for Renal Transplant Patients Receiving Steroid-Sparing Alemtuzumab Induction Regimen Versus a Steroid-Sparing Thymoglobulin Induction Regimen	Albumin Use in the Operative Setting—Updating Criteria for Use
Morgan Gwynn	The Development and Validation of a Medication Regimen Complexity Scoring Tool in Critically Ill Patients	Evaluating a Prospective Criteria-monitored Antibiotic Ordering Process – Reevaluation of Time to First Antibiotic for Inpatients with Newly Diagnosed Sepsis
Pam Ku	Prolonged Versus Short Infusion Rates for Intravenous Magnesium Sulfate Administration in Hematopoietic Cell Transplant Patients	Evaluation of Non-vitamin K Oral Anticoagulants Inpatient Use and Drug Interactions
Paige Watkins	Inhaled Tobramycin for the Treatment Of Pediatric Ventilator-Associated Tracheitis	Evaluation of Protocol Adherence and Documentation Quality in a Pharmacist-Driven Vancomycin Pharmacokinetic Service
2015-2016		
Ben Andrick	Pneumococcal Vaccine Response in Chronic Lymphocytic Leukemia Patients Receiving Ibrutinib	Assessment and Implementation of Titration Parameters for ICU Continuous Infusion Medication Orders
Jason Jones	Comparing the Impact of Long Versus Short Magnesium Infusion Rates in Critically Ill Patients	Development of Criteria-monitored Antimicrobial Utilization Document to Decrease Antimicrobial Resistance Patterns
Jessie Signorelli	Evaluation of Rivaroxaban Use in Patients with Gynecologic Malignancies at an Academic Medical Center	Time to First Antibiotic Administration for Septic Patients Presenting to the Emergency Department
Hilary Teibel	Use of Dexmedetomidine Postoperatively in High Risk Pediatric Tonsillectomy and Adenoidectomy Patients	Time to First Antibiotic Administration for Inpatients with Newly Diagnosed Sepsis
Kirby Welston	The Pharmacist's Impact in Reducing Treatment of Asymptomatic Bacteriuria in Internal Medicine Patients	Evaluation of Phosphorus Replacement in Bone Marrow Transplant Patients