



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



Name and Year	Research Project Title	Quality Project Title
<b>2025-2026</b>		
<b>Anne Abrams</b>	Evaluation Of Sickle Cell Fever Protocols in the Pediatric Emergency Department	Evaluation of cytomegalovirus viral load and multiple myeloma surveillance laboratory monitoring for patients on treatment with teclistamab or talquetamab
<b>Andy Bennett</b>	Impact Of A Pilot Standardized Multi-Preceptor Approach to Acute Care Medicine APPE On Student Outcomes & Preceptor Wellbeing	Assessment of Compliance Rates of Nurse-Driven Heparin Protocols
<b>Nghi Nguyen</b>	Impact of Antibiotic Therapy on Weight in Adult Patients	Evaluation of Bivalirudin Dosing in Pediatric Extracorporeal Membrane Oxygenation
<b>Jessie Vo</b>	Evaluation Of Auto Verification Strategies and Impact On Time To Antimicrobial Administration In ED	Evaluation of Guideline-Directed Medical Therapy at discharge in patients with HF/rEF
<b>Allison Lopez</b>	Evaluation Of RSV Hospitalizations in High-Risk Infants Who Received Nirsevimab But Were Eligible to Receive Palivizumab During RSV Season	Evaluation of appropriate prescribing of GLP-1RA and GIP/GLP-1RA in the Family Medicine Center
<b>Esther Cho</b>	Evaluation of Medication Access Interventions by Transitions of Care Pharmacist for Patients Requiring High-Cost Cardiac Medications	Outcomes of Anticoagulant Selection for Pulmonary Embolism in the Emergency Department
<b>2024-2025</b>		
<b>Ebony Crawford</b>	Evaluation of the Clinical Pharmacist's Role on Interdisciplinary Rounds within an Acute Collaborative Care Unit	Review of Induction Therapy Compliance and Outcomes after Policy Change
<b>Melanie Datt</b>	Impact of ideal versus actual body weight on analgesic and sedative requirements in critically ill patients with obesity	Antithrombin III Utilization in Neonatal VV and VA ECMO
<b>Alex Durant</b>	Reduced Corticosteroid Dosing in Pediatric Renal Transplant Patients	Evaluating Vaccine Documentation in Pediatric Patients with Sickle Cell Disease
<b>Amber Fraley</b>	Monotherapy Versus Combination Therapy in the Treatment of Enterococcus faecalis Bloodstream Infections	Evaluation of Naloxone Infusion Initiation at Wellstar MCG Health
<b>Chloe McGee</b>	Assessing Renal Function After Hepatitis C Treatment with a Pangenotypic Direct-Acting Antiviral: Sofosbuvir/Velpatasvir and Glecaprevir/Pibrentasvir	Characterizing Emergency Visits/Hospitalizations Among Pediatric Patients with Type 1 Diabetes
<b>Emily Strickland</b>	Comparing the Impact of Pharmacist Driven Care When Patients are Enrolled in a Medical Student Telehealth Clinic	Pharmacist Transitional Care Services for Diabetes Patients at Hospital Discharge

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## Wellstar MCG Medical Center & University of Georgia PGY1 Pharmacy Resident Projects, continued

<b>2023-2024</b>		
<b>Najla Faddoul</b>	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
<b>Lucy Gloe</b>	Budesonide prophylaxis for patients with multiple myeloma (MM) undergoing autologous hematopoietic cell transplantation	Ensuring Appropriate Timing of Serum Levels for Therapeutic Drug Monitoring (TDM)
<b>Alex Kwan</b>	RSI Induction Choice and Outcomes: National Survey of Emergency Medicine Pharmacists	LDL-C Threshold Achievement in Patients with Atherosclerotic Cardiovascular Disease (ASCVD)
<b>Kelsea Mabie</b>	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
<b>Omar Mouna</b>	Utility of Point of Care Glucose Checks in a Primary Care Clinic	Impact of Pharmacist Involvement in Pediatric Complex Care on Hospital Readmissions
<b>Hah Tran</b>	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
<b>2022-2023</b>		
<b>Gabby Bachner</b>	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
<b>Bailey Brogdon</b>	Discontinuation of Inhaled Cycled Suppressive Antibiotic Therapy in Cystic Fibrosis	Evaluation of Triple Antithrombotic Therapy
<b>Zack Brown</b>	Melphalan Dosing for Autologous Stem Cell Transplantation in Patients with Multiple Myeloma	Evaluation of Thymoglobulin Dosing Strategies for Cost Minimization in Kidney Transplant Recipients
<b>Carly Loudermilk</b>	Evaluation of Partial Oral versus Intravenous Antibiotic Treatment of Enterococcus Faecalis Bloodstream Infections (Lead Investigator/Site for Multisite Study)	Evaluation of Benzodiazapine Prescribing, Dosing and Duration in Hospitalized Adult Patients with Alcohol Withdrawal
<b>Emily Royal Hightower</b>	Asthma Directed Therapy in the Pediatric Emergency Department	Evaluation of Pharmacist-to-Dose Warfarin Protocol
<b>Rachel Robinson</b>	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



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<b>2021-2022</b>		
<b>Hanna Azimi</b>	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
<b>Hui Lin</b>	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
<b>Tim Jones</b>	Daptomycin Monotherapy or Daptomycin Plus Ceftaroline Combination Therapy in Methacillin Resistant Staphylococcus Aureus Bacteremia	Optimizing the Use of Inpatient Insulin
<b>Yancey Murray</b>	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
<b>Campbell Scott</b>	Pharmacist-Led Post Discharge Clinic for Patients with Cancer	Evaluating Dosing of Antithrombin III in Pediatric Patients
<b>2020-2021</b>		
<b>Aaron Chase</b>	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
<b>Behren Ketchum</b>	Leadership Development for Pharmacy Technicians National Survey	Evaluating Calcitonin Use in Hypercalcemia of Malignancy
<b>Juliette Miller</b>	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
<b>Aubrey Slaughter</b>	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
<b>Victoria Urban</b>	Evaluation of antibiotic duration of therapy for ventilator-associated tracheitis in children with pre-existing tracheostomies	Improving Processes for Inpatient Utilization of oral contrast
<b>2019-2020</b>		
<b>Lydia Girgis</b>	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)
<b>Emily Harden</b>	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
<b>Kyree Henry</b>	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
<b>Bernard Hsia</b>	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
<b>Kelli Keats</b>	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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<b>2018-2019</b>		
<b>Taylor Clark Bowick</b>	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
<b>Paige Eber</b>	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
<b>Lauren Freeman</b>	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)
<b>Jessica Ringler</b>	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)
<b>Ashley Taylor</b>	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
<b>2017-2018</b>		
<b>Paul Bauman</b>	Effects of “Meds-to-Beds” on Pediatric Asthma Post-Hospitalization Outcomes	Improving Prescribing, Monitoring and Outcomes of QTc Interval Prolonging Medications
<b>Sarah Clements</b>	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
<b>Shaily Doshi</b>	Prolonged Versus Short Infusion Rates of IV Magnesium in Hospitalized General Medicine Patients with Hypomagnesemia	Medication Omission: Assessment of Medications Documented as Not Administered
<b>Michelle Leatherwood</b>	Impact of Medication Bedside Delivery Program on Readmission Rates in Heart Failure Patients	Risk Evaluation and Mitigation Strategies (REMS) Compliance and Documentation
<b>Lindsey Sellers Copianno</b>	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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<b>2016-2017</b>		
<b>Michelle Borg</b>	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
<b>Morgan Gwynn</b>	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
<b>Pam Ku</b>	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
<b>Paige Watkins</b>	Inhaled Tobramycin for the Treatment Of Pediatric Ventilator-Associated Tracheitis	Evaluation of Protocol Adherence and Documentation Quality in a Pharmacist-Driven Vancomycin Pharmacokinetic Service
<b>2015-2016</b>		
<b>Ben Andrick</b>	Pneumococcal Vaccine Response in Chronic Lymphocytic Leukemia Patients Receiving Ibrutinib	Assessment and Implementation of Titration Parameters for ICU Continuous Infusion Medication Orders
<b>Jason Jones</b>	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
<b>Jessie Signorelli</b>	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
<b>Hilary Teibel</b>	Use of Dexmedetomidine Postoperatively in High Risk Pediatric Tonsillectomy and Adenoidectomy Patients	Time to First Antibiotic Administration for Inpatients with Newly Diagnosed Sepsis
<b>Kirby Welston</b>	The Pharmacist’s Impact in Reducing Treatment of Asymptomatic Bacteriuria in Internal Medicine Patients	Evaluation of Phosphorus Replacement in Bone Marrow Transplant Patients

