

## Resident Projects

### Class of 2024

Jose Lugo Martinez, PharmD PGY2 Critical Care Resident	<b>MUE:</b> Transition from continuous to subcutaneous insulin in critically-ill patients <b>Research:</b> Intermittent versus continuous proton pump inhibitor therapy pre-endoscopy: A non-inferiority analysis
Natalia Figueroa, PharmD PGY2 Emergency Medicine Resident	<b>MUE:</b> Implications of staphylococcus non-aureus blood culture positivity <b>Research:</b> Impact of paralytic choice on time to post-intubation analgesedation
Micaleigh Noll, PharmD PGY2 Pain Management & Palliative Care Resident	<b>MUE:</b> Evaluation of opioid analgesic agent use in pediatric sickle cell patients <b>Research:</b> Enhanced recovery after surgery (ERAS) driven protocol versus conventional management after colorectal surgery
Jessica Cowden, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Albumin use post-paracentesis in the emergency department <b>Research:</b> Effects of morphine to fentanyl interchange in PACU order sets
Mohammad Salameh, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Safety of intravenous ketorolac post coronary artery bypass graft surgery <b>Research:</b> Alpha 1 Antagonists for Recurrent Urinary Retention Post-Catheter Reinsertion
Ana-Maria Diaz, PharmD PGY1 Pharmacy Resident, Ambulatory Care	<b>MUE:</b> Evaluation of guideline adherence in patients on multiple antithrombotic therapy and use of gastrointestinal prophylaxis <b>Research:</b> Impact of pharmacist inhaler prescribing at discharge for chronic obstructive pulmonary disease on Readmission Rates

### Class of 2023

Kathryn Albert, PharmD PGY2 Critical Care Resident	<b>MUE:</b> Valproic Acid use in Critically Ill Trauma Patients <b>Research:</b> Lactated Ringers versus Normal Saline in DKA
Jennifer Atherton, PharmD PGY2 Emergency Medicine Resident	<b>MUE:</b> Fosfomycin use in the Emergency Department <b>Research:</b> Impact of desmopressin on intracranial hemorrhage expansion in patients on antiplatelet therapy
Micaleigh Noll, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> An evaluation for tacrolimus monitoring at a non-transplant community hospital <b>Research:</b> Evaluation of pain management strategies in cesarean delivery
Alexa Rodriguez, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Use for status epilepticus in the Emergency Department <b>Research:</b> Utility of MRSA nares PCR for non-respiratory cultures in critically-ill patients
Namitha Vellian, PharmD PGY1 Pharmacy Resident, Ambulatory Care	<b>MUE:</b> Evaluation of discharge medications for patients with an A1c $\geq 10\%$ during hospitalization <b>Research:</b> In-home vs. in-clinic warfarin monitoring

## Class of 2022

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Mary Tremaine, PharmD  
PGY2 Critical Care Resident

**MUE:** Combating antibiotic resistance: evaluating use of meropenem in the ICU  
**Research:** Ketorolac vs diclofenac patches for isolated rib fractures

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Christopher Snider, PharmD  
PGY2 Emergency Medicine Resident

**MUE:** Vancomycin use for skin and soft tissue infections in the Emergency Department  
**Research:** Impact of outpatient adrenergic antagonist use on epinephrine resistance in anaphylaxis

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Kathryn Albert, PharmD  
PGY1 Pharmacy Resident, Acute Care

**MUE:** SIRS and septic shock alert evaluation  
**Research:** IV NAC

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Alyssa Santiago, PharmD  
PGY1 Pharmacy Resident, Acute Care

**MUE:** Evaluation of sodium zirconium cyclosilicate for inpatient treatment of hyperkalemia  
**Research:** Robotic hysterectomy outcomes pre and post order set changes

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Ellen Murphy, PharmD  
PGY1 Pharmacy Resident, Ambulatory Care

**MUE:** Evaluation of admission medication reconciliation in the inpatient setting  
**Research:** Evaluation of unfractionated heparin in obese versus non-obese venous thromboembolism patients

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## Class of 2021

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Patrick Condon, PharmD  
PGY2 Critical Care Resident

**MUE:** Evaluation of an ICU sepsis alert in critical care medicine patients  
**Research:** Evaluation of unfractionated heparin in trauma versus non-trauma critically-ill patients

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Megan Heath, PharmD  
PGY2 Emergency Medicine Resident

**MUE:** Evaluation of discordant empirical antibiotics for urinary tract infections in ED  
**Research:** Use of 4-factor prothrombin complex concentrate for oral anticoagulant reversal in intracranial hemorrhage

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Chelsey Axelrod, PharmD  
PGY1 Pharmacy Resident, Acute Care

**MUE:** Evaluation of pharmacologic treatment for alcohol use disorder in behavioral health inpatients  
**Research:** Positive predictive value of urine analysis with reflex criteria at a large community hospital

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Emerald O'Rourke, PharmD  
PGY1 Pharmacy Resident, Acute Care

**MUE:** Pain management for acute post-operative pain in pediatric patients  
**Research:** Meningitis/encephalitis pathogen panels impact on empiric therapy duration

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Victoria Herrmann, PharmD  
PGY1 Pharmacy Resident, Ambulatory Care

**MUE:** Evaluation of hypercoagulable testing in the inpatient setting  
**Research:** Identifying risk factors to predict 30-day readmission for acute exacerbation of COPD in the elderly

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## Class of 2020

Shannon (Wright) Hasara, PharmD PGY2 Critical Care Resident	<b>MUE:</b> Evaluation of a critical care assessment team protocol for sepsis <b>Research:</b> continuation of modafinil and concomitant therapies following traumatic brain injury - intensive care discharge and beyond
Bradley Bright, PharmD PGY2 Emergency Medicine Resident	<b>MUE:</b> Calcium gluconate utilization associated with diltiazem administration in the emergency department <b>Research:</b> Evaluation of caffeine sodium benzoate versus caffeine citrate use for postdural puncture headache in the Emergency Department
Patrick Condon, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Describing vancomycin dosing in obesity <b>Research:</b> Management of intracranial hypertension with rocuronium in severe traumatic brain injury
Maggie (Braxton) Green, PharmD PGY1 Pharmacy Resident, Ambulatory Care	<b>MUE:</b> Evaluation of same day ED visit following a Family Health Center office visit <b>Research:</b> Impact of pain initiatives on overall opioid utilization

## Class of 2019

Rebecca Conley, PharmD PGY2 Critical Care Resident	<b>MUE:</b> Evaluation of diclofenac patches for acute pain in critically ill trauma patients <b>Research:</b> Intravenous potassium replacement in critically ill patients with renal injury
Justin Miller, PharmD PGY2 Emergency Medicine Resident	<b>MUE:</b> Digoxin immune fab medication use evaluation <b>Research:</b> Impact of SEP-1 on broad-spectrum combination antibiotic therapy in the Emergency Department
Ashley Johnson, PharmD PGY2 Pain Management & Palliative Care Resident	<b>MUE:</b> Pain management in obstetric patients <b>Research:</b> Evaluation of the use of individualized patient care plans for reducing emergency department visits in frequent emergency department visitors
Nicholas Mastromarino, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Anticoagulation for non-ST segment elevation myocardial infarction and unstable angina in the emergency department <b>Research:</b> Impact of a multi-modality rib fracture pain management order set
Shannon (Wright) Hasara, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Intravenous haloperidol use in the acute care setting <b>Research:</b> Improving outcomes in mechanically ventilated, critically ill patients through the ABCDEF Light Sedation Protocol: A pre- and post-implementation study
Lindsey Smith, PharmD PGY1 Pharmacy Resident, Ambulatory Care	<b>MUE:</b> Evaluation of post-operative use of naloxone <b>Research:</b> Safety and efficacy of warfarin regimens containing greater than 10 mg vs less than 10 mg in hospitalized patients

## Class of 2018

Kyle Dillon, PharmD PGY2 Critical Care Resident	<b>MUE:</b> Negative methicillin-resistant <i>Staphylococcus aureus</i> PCR nasal swabs for early vancomycin discontinuation in critically ill patients with pneumonia <b>Research:</b> The effect of dexmedetomidine on delirium when used to promote sleep in critically ill patients
Jessica Glas-Boben, PharmD PGY2 Emergency Medicine Resident	<b>MUE:</b> Medication use evaluation of post-exposure prophylaxis in the emergency department <b>Research:</b> Impact of the utilization of 500 mL fluid bags in primary management of trauma patients
E. Inyang Akamune, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Critical care medicine IV phosphate replacement <b>Research:</b> Evaluation of vasopressor response to hydrocortisone administration in septic shock patients
Alice Margulis Landayan, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of weight-based anti-Xa heparin protocols <b>Research:</b> Effect of standard piperacillin/tazobactam dosing in obese versus non-obese septic patients
Kaitlyn Bice, PharmD PGY1 Pharmacy Resident, Ambulatory Care	<b>MUE:</b> Evaluation of guideline-directed medical therapy in heart failure <b>Research:</b> Direct oral anticoagulants and their association with major bleed in non-valvular atrial fibrillation

## Class of 2017

Brittany Petrosky, PharmD PGY2 Critical Care Resident	<b>MUE:</b> An evaluation of the initial fluid resuscitation in critically ill septic patients <b>Research:</b> Risk factors for early versus late unplanned transfer to the intensive care unit
Somer (Harvey) Slappey, PharmD PGY2 Emergency Medicine Resident	<b>MUE:</b> Evaluation of the management of pulmonary embolism in the emergency department <b>Research:</b> Impact of an emergency medicine pharmacist on initial antibiotic prophylaxis for open fractures in trauma patients
Antonia Fawaz, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of N-acetylcysteine use for acetaminophen overdose <b>Research:</b> Efficacy of shorter versus longer treatment duration for sepsis secondary to urinary tract infection
Nathan Greenfield, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Re-evaluation of total parenteral nutrition utilization at a tertiary care hospital <b>Research:</b> Impact of a gastrointestinal pathogen panel on antibiotic utilization

## Class of 2016

Danielle Padgett, PharmD PGY2 Critical Care Resident	<b>MUE:</b> Medication use evaluation of vaccination after non-elective splenectomy or splenic embolization in trauma patients <b>Research:</b> An evaluation of the central line associated blood stream infection (CLABSI) rate based on the NHSN definition and the LRH Expanded CLABSI Criteria before and after three house wide interventions in the intensive care unit patients
Candi Sturges, PharmD PGY2 Emergency Medicine Resident	<b>MUE:</b> Medication use evaluation of a Pediatric Asthma Protocol in the Emergency Department <b>Research:</b> Impact of an electronic order set on phenytoin dosing in the Emergency Department
Andrea (Miller) Wetshtein, PharmD PGY2 Pain Management & Palliative Care Resident	<b>MUE:</b> Medication use evaluation of analgesic use following intubation in the emergency department <b>Research:</b> Tizanidine versus cyclobenzaprine for post-trauma pain control
Somer (Harvey) Slappey, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of antibiotic use in uncomplicated appendectomies <b>Research:</b> Diltiazem versus esmolol for acute rate control in the emergency department
Hiren Shah, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of bridging anticoagulation practices in critically-ill patients with atrial fibrillation <b>Research:</b> A pharmacist-led approach to antimicrobial therapy optimization utilizing PCR technology
Sarah Williford, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Hyperosmotic therapy in severe traumatic brain injury <b>Research:</b> Single versus double empiric Gram-negative coverage with or without levofloxacin in critically ill patients

## Class of 2015

Nam Nguyen, PharmD PGY2 Critical Care Resident	<b>MUE:</b> Transition from dexmedetomidine to clonidine or guanfacine in critically ill trauma patients <b>Research:</b> Evaluation of random vancomycin levels with and without concomitant vasopressor administration in critically ill septic patients with renal failure
Kayla (Montgomery) Wilson, PharmD PGY2 Emergency Medicine Resident	<b>MUE:</b> Impact of emergency medicine pharmacist on time to thrombolysis in acute ischemic stroke <b>Research:</b> Medication utilization evaluation of tranexamic acid in trauma patients
Juan Alberdi, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of prescribed doses of intravenous morphine versus hydromorphone in opioid naïve postoperative patients <b>Research:</b> Impact of rapid diagnostic PCR technology on therapy optimization in patients with bacteremia at a tertiary care hospital

Hoang Huynh, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of oral pantoprazole in adult medical patients at a tertiary care hospital: a retrospective analysis <b>Research:</b> Inferior vena cava filter placement and timing of VTE chemoprophylaxis in traumatic brain injury patients with an intracranial hemorrhage
Ankita Patel, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of three percent hypertonic saline for hypotonic hyponatremia <b>Research:</b> Comparison of clinical response at 72 hours to ceftaroline versus daptomycin for the treatment of complicated skin and soft tissue infections
Kellie (Rodriguez) Wang, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of venous thromboembolism chemoprophylaxis in acute traumatic intracranial hemorrhage patients <b>Research:</b> High vs standard dose dexmedetomidine for sedation in critically ill patients: The HI-DEX Study

### Class of 2014

Rusha Patel, PharmD PGY2 Emergency Medicine Resident	<b>Research:</b> Comparing the effectiveness of various antiemetic medications used in the emergency department
Doug Brown, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of total parenteral nutrition utilization at a tertiary care hospital <b>Research:</b> Empiric Gram-negative double coverage in sepsis in a tertiary care
Jeremy Lund, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of the significant increase in piperacillin/tazobactam utilization in a tertiary care hospital <b>Research:</b> Identification of risk factors for chemotherapy-related 30-day readmissions
Kayla (Montgomery) Wilson, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of acute headache treatment in the emergency department <b>Research:</b> Pharmacist's impact on acute pain management during trauma resuscitation
Matthew Woeber, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of fluconazole use in oncology patients at a tertiary care hospital <b>Research:</b> Predicting heparin-induced antibody results using a 4Ts score

### Class of 2013

Jennifer Montero, PharmD PGY2 Critical Care Resident	<b>Research:</b> Impact of antimicrobial stewardship interventions on medical intensive care unit patients <b>Research:</b> The effects of an electronic order set on vancomycin dosing in the ED
June Vasquez, PharmD PGY2 Pain Management & Palliative Care Resident	<b>Project:</b> Focused pain management pilot study on 7E <b>Research:</b> Incidence of respiratory depression in opioid use: patient controlled analgesia (PCA) vs. intravenous push
Tyler Bui, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of the use of iodinated intravascular contrast media agents at a tertiary care hospital <b>Research:</b> Severe hyperglycemia: comparison of the clinical management outcomes

Jamie Lee, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of a Procrit monitoring protocol in a tertiary care hospital <b>Research:</b> Incidence of nausea and vomiting in obese patients receiving moderately emetogenic chemotherapy: actual body weight dosing versus adjusted body weight dosing
Courtney (McKay) Clemente, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of glucagon dosing at a tertiary care hospital <b>Research:</b> Time to blood pressure control prior to thrombolytic therapy in patients with acute ischemic stroke: comparison of labetalol nicardipine, and hydralazine
<b>Class of 2012</b>	
Jennifer Montero, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of prasugrel usage and safety at a tertiary care hospital <b>Research:</b> Comparing the incidence of drug-induced nephrotoxicity of vancomycin with concurrent piperacillin/tazobactam versus cefepime in oncology patients
Jessica (Rivera) Pescatore, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of intravenous immunoglobulin at a large community hospital <b>Research:</b> Occurrence of treatment failure with standard practice administration of IV N-acetylcysteine in acute acetaminophen toxicity and co-ingestion of gut motility slowing agents
June Vasquez, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Medication utilization evaluation of IV pantoprazole for non-critical patients <b>Research:</b> Impact of antibiotic administration sequence in early goal directed therapy patients: broad spectrum beta-lactams versus non beta-lactams

## Class of 2011

Anthony Pazanese, PharmD PGY2 Pain Management & Palliative Care Resident	Project: Physician satisfaction of a pharmacist-run pain management consult service <b>Research:</b> A retrospective study to determine whether the implementation of individualized plans of care reduced the number of frequent visitors to the emergency department
Winifred Adazai, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of rifaximin use at LRH <b>Research:</b> Assessing anticoagulation knowledge in elderly patients on warfarin therapy
Jake Schwartz, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of a computer order entry systems ability to alert users to needed dose adjustments for renal dysfunction <b>Research:</b> The effects of antibiotics on warfarin in patients presenting to a large community emergency department

## Class of 2010

Andrea (Henderson) Parker, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of low molecular weight heparin use in renal insufficiency at a large community hospital <b>Research:</b> Assessment of pharmacy educational interventions for nursing to improve medication orders
Sean Ustic, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of the Rhogam dispensing process at LRH <b>Research:</b> Surgical site infection rates in obese versus non-obese patients having orthopedic hip or knee replacement surgery: A retrospective chart review

## Class of 2009

Maria Guevara, PharmD PGY2 Pain Management & Palliative Care Resident	<b>Research:</b> Potential cognitive improvements of modafinil in traumatic brain injuries
Melody (Brown) Stevens, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of vitamin K in a non-teaching referral medical center <b>Research:</b> Prevention of pneumonia complications secondary to induced hypothermia in traumatic brain injury
Shejal Parmar, PharmD PGY1 Pharmacy Resident, Acute Care	<b>MUE:</b> Evaluation of argatroban in a large community hospital <b>Research:</b> Efficacy of vancomycin for MRSA strain with minimum inhibitory concentrations of 2mcg/mL



## Class of 2008

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Brad Hall, PharmD  
PGY2 Critical Care Resident

**Research:** Propofol vs. Precedex and the incidence of delirium

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Naila Alam, PharmD  
PGY1 Pharmacy Resident, Acute Care

**MUE:** Ready for rounds: drug information from the experts on drugs. Observing impact of pharmacist led drug information sessions geared towards physicians  
**Research:** Pharmacist interventions in an outpatient trauma clinic

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Kristen Coker, PharmD  
PGY1 Pharmacy Resident, Acute Care

**MUE:** Ready for rounds: drug information from the experts on drugs. Observing impact of pharmacist led drug information sessions geared towards physicians  
**Research:** Minimizing the onset and/or duration of delirium in the intensive care unit: does continuation of home medications affect outcomes?

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## Class of 2007

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Niesha (Bell) McBurrows, PharmD  
PGY1 Pharmacy Resident, Acute Care

**MUE:** Procrit use in oncology patients  
**Research:** Pancreatitis in trauma patients receiving propofol: a retrospective analysis

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Evan McKean, PharmD  
PGY1 Pharmacy Resident, Acute Care

**MUE:** Overview of contrast products at LRH  
**Research:** Perceptions of oncology patients regarding the understanding, readability and effectiveness of educational information provided during the informed consent process

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