

Cleveland Clinic Akron General
Pharmacy Residency Research Projects

Academic Year: 2019-2020

A Retrospective Cohort Evaluating the Efficacy of Ceftaroline combined with Daptomycin versus Vancomycin in Staphylococcus aureus Infective Endocarditis

Resident David Comshaw-Arnold

Advisors Freshwater, Dustin (Primary); Mistry, Bhavin;

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

Resident Kristine Duly

Advisors Boros, Melanie (Primary); Frazee, Larry; Fanous, Amy; Ken Wong, MD

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

Resident Christina Brown

Advisors Ambroziak, Ronda (Primary); Frazee, Larry; Garlock, Jenna;

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

Resident Nathan Bohach

Advisors Fowler, Melissa (Primary); Cunningham, Brittany;

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

Advisors Williams, Andrea (Primary); Heimann, Kathryn; Georgia Zacholoulos, DO

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

Resident Alicia Cetnarowski

Advisors Fowler, Melissa (Primary); Cunningham, Brittany;

Academic Year: 2018-2019

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

Resident Akshith Dass

Advisors Brown, Tim; Mistry, Bhavin (Primary); Freshwater, Dustin;

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

Resident Sara Shuss

Advisors Zimmerman, Jake (Primary); Williams, Andrea; 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

Advisors Townley, Caroline (Primary); Benedetti, Amanda; Emshoff, Jessica (Primary); Ambroziak, Ronda; John Petrus, MD

Evaluation of Direct Oral Anticoagulant Use for Cancer-Associated Thromboembolism

Resident Sarah Wheeler

Advisors Boros, Melanie (Primary); Townley, Caroline; Laurie Matt-Amaral, MD

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Efficacy of Levetiracetam for Seizure Prophylaxis in Adults with Intracranial Hemorrhage

Resident Sean Bennett

Advisors Garlock, Jenna (Primary); Cunningham, Brittany; Fowler, Melissa;

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

Resident Carli Nicholson

Advisors Cucci, Michaelia (Primary); Frazee, Larry;

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

Advisors Rybarczyk, Amy (Primary); Boros, Melanie;

Evaluation of urine cultures in patients discharged from the emergency department

Resident Amy Fabian

Advisors Garlock, Jenna (Primary); Williams, Andrea; Chanda Mullen, PhD; Andrew Yocum, MD

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

Resident Courtney Wooten

Advisors Cucci, Michaelia (Primary); Fowler, Melissa; Nathan Hieb, MD; Ali Mallat, MD

Publication 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)*. 2019 Aug 2. doi: 10.1089/sur.2019.031. [Epub ahead of print]

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

Resident Doug Gugel-Bryant

Advisors Moorman, John (Primary); Gallegos, Patrick; Townley, Caroline; Chanda Mullen, PhD

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

Resident Jill Nofziger

Advisors Paxos, Chris (Primary); Emshoff, Jessica; Chanda Mullen, PhD

Publication Nofziger JL, Paxos C, Emshoff J, Mullen D. Evaluation of dextromethorphan with select antidepressant therapy for the treatment of depression in the acute care psychiatric setting. *Ment Health Clin*. 2019 Mar; 9(2): 76–81. Published online 2019 Mar 1. doi: 10.9740/mhc.2019.03.076

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

Resident Gina Panno

Advisors Boros, Melanie (Primary); Frazee, Larry; Chanda Mullen, PhD

Academic Year: 2016-2017

Evaluation of Perioperative Medication Regimens in Bariatric Surgery Patients

Resident Tricia Glaspell

Advisors Boros, Melanie (Primary); Frazee, Larry; Moorman, John; Brown, Tim; Amy Laktash MSN, RN, NP-C

Cleveland Clinic Akron General Pharmacy Residency Research Projects

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

Advisors Rybarczyk, Amy (Primary); Reissig, Jim; Gallegos, Patrick; 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

Advisors Garlock, Jenna (Primary); Cucci, Michaelia; Frazee, Larry;

Publication *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. doi: 10.1016/j.ajem.2018.08.015. Epub 2018 Aug 7.*

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

Resident Justin Andras

Advisors Boss, Jessica (Primary); Paxos, Chris; McMullen, Nicole; Julie Imani MSN, CNS, OCN

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

Resident Colleen Wilaj

Advisors Ambroziak, Ronda (Primary); Benedetti, Amanda; Zimmerman, Jake;

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

Advisors Mistry, Bhavin (Primary); Frazee, Larry;

Academic Year: 2015-2016

Comparison of grade IV neutropenia with pegfilgrastim (Neulasta™) administered by two delivery methods: Onpro™ and manual injection with a prefilled syringe

Resident Caroline Townley

Advisors Porter, Courtney (Primary); McMullen, Nicole;

Publication *Townley C, Porter C, McMullen N. Comparing grade 4 neutropenia associated with pegfilgrastim administered via the onpro device versus manual injection with a prefilled syringe. JHOP. 2018;8(3).*

Patient characteristics associated with avoidance of hospital admission in adults receiving intravenous magnesium sulfate for an asthma exacerbation in the emergency department

Resident Elizabeth Legros

Advisors Garlock, Jenna (Primary); Cucci, Michaelia; Rybarczyk, Amy;

The prevalence and impact of documenting allergic reaction in penicillin allergic patients

Resident Dana Roman

Advisors Mistry, Bhavin (Primary); Reissig, Jim;

Evaluation of Atropine Efficacy for Symptomatic Bradycardia in the Emergency Department

Resident Jennifer Jankovsky

Advisors Garlock, Jenna (Primary); Zimmerman, Jake;

Peri-procedural international normalized ratio (INR) control in patients receiving continuous warfarin therapy for catheter ablation of atrial fibrillation

Resident Laine Vicarel

Advisors Boros, Melanie (Primary); Frazee, Larry; Robert Schweikert, MD

Cleveland Clinic Akron General Pharmacy Residency Research Projects

Retrospective cohort analysis of patients prescribed statin therapy with or without diagnosis of hepatitis C after myocardial infarction, ischemic stroke, or transient ischemic attack

Resident Samantha Loutzenheiser

Advisors Rybarczyk, Amy (Primary); Fowler, Melissa;

Academic Year: 2014-2015

Clarification of drug allergy information using a standardized patient interview

Resident Amy Harig

Advisors Rybarczyk, Amy (Primary); Benedetti, Amanda; Zimmerman, Jake;

Publication Harig A, Rybarczyk A, Benedetti A, Zimmerman J. Clarification of drug allergy information using a standardized drug allergy questionnaire and interview. *PT* 2018;43(8):480-484, 504.

Evaluation of oral antipsychotic supplementation of long-acting antipsychotic injections in an acute-care psychiatric setting

Resident Jennifer Alastanos

Advisors Paxos, Chris (Primary); Boss, Jessica;

Publication 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. *Mental Health Clin* 2019;9:18-23.

Incidence of positive culture results in patients treated with therapeutic hypothermia status post out-of-hospital cardiac arrest

Resident Stephen Stoyanov

Advisors Schaffner, Jenna (Primary); Zimmerman, Jake; Dreiling, Jodi;

Evaluation of the incidence and risk factors of propofol-associated hypertriglyceridemia

Resident Mackenzie Horning

Advisors Dreiling, Jodi (Primary); Berry, Nancy; Frazee, Larry;

Evaluation of weight based chemotherapy dosing and treatment related toxicities in adult females with breast cancer receiving Adriamycin® and Cytosan® (AC)

Resident Nicholas Selle

Advisors McMullen, Nicole (Primary); Reissig, Jim;

The impact of transitions-of-care clinic referral on the composite outcome of 30-day readmission rates and emergency department visitation.

Resident Angela Righi

Advisors Moorman, John (Primary); Frazee, Larry;

Academic Year: 2013-2014

The effects of procalcitonin levels on physician practices on antibiotic treatment: a retrospective cohort

Resident Kristen Senson

Advisors Mistry, Bhavin (Primary); Gallegos, Patrick; David Watkins, MD

Efficacy of baclofen in the treatment of acute alcohol withdrawal

Resident Melissa Fowler

Advisors Dreiling, Jodi (Primary); Zimmerman, Jake;

Prescriber utilization of Ohio Automated Rx Reporting System (OARRS), a prescription monitoring program

Resident Nathaniel Hedrick

Advisors Benedetti, Amanda (Primary); Boss, Jessica; Ambroziak, Ronda;

Cleveland Clinic Akron General Pharmacy Residency Research Projects

Development and implementation of a protocol for INR self-monitoring in a pharmacist-managed anticoagulation clinic

Resident Jason Zupec

Advisors Boros, Melanie (Primary); Rybarczyk, Amy;

Comparison of two piperacillin/tazobactam infusion strategies on the incidence of acute kidney injury

Resident Kevin Buehrle

Advisors Dreiling, Jodi (Primary); Berry, Nancy;

Non-Anticoagulation Related Interventions Made in a Pharmacist-Managed Anticoagulation Clinic

Resident Michael Hicho

Advisors Rybarczyk, Amy (Primary); Boros, Melanie;

Publication Hicho MD, Rybarczyk A, Boros M. Interventions unrelated to anticoagulation in a pharmacist-managed anticoagulation clinic. *Am J Health Syst Pharm.* 2016 Jun 1;73(11 Suppl 3):S80-7. doi: 10.2146/ajhp150381

Academic Year: 2012-2013

Association of methicillin resistant Staphylococcus aureus (MRSA) nasal colonization with culture results in critically ill patients

Resident Phil Maletich

Advisors Frazee, Larry (Primary); Dreiling, Jodi; Berry, Nancy;

Predictors of antipsychotic polypharmacy in an acute-care teaching hospital

Resident Deanna Bice

Advisors Paxos, Chris (Primary); Boss, Jessica; Moorman, John; Dustin Blakeslee, DO

Impact of rocuronium administration on time to target internal body temperature in patients treated with therapeutic hypothermia after cardiac arrest

Resident Jenna Schaffner

Advisors Dreiling, Jodi (Primary); Heimann, Kathryn;

Red blood cell length of storage and development of deep vein thrombosis in trauma intensive care patients

Resident Christina McKenzie

Advisors Zimmerman, Jake; Berry, Nancy (Primary); Farid F. Muakkassa, MD

Academic Year: 2011-2012

Evaluation of factors associated with achieving glycemic control in a pharmacist-managed diabetes clinic

Resident Matthew Kostoff

Advisors Boros, Melanie (Primary); Frazee, Larry; Moorman, John;

Publication Kostoff MD, Boros ML, Moorman JM, Frazee LA Evaluation of Factors Associated With Achieving Glycemic Control in a Pharmacist-Managed Diabetes Clinic; *Am J Ther.* 2014 July/August;21(4):234-239. PubMed PMID: 23344108

Physician perceptions of the current level of pharmacy practice in a community teaching hospital

Resident Christopher Shelby

Advisors Reissig, Jim (Primary); Boss, Jessica; Donley, Kathy; Brown, Tim;

Antibiotic use for bacteria on urinalysis in patients presenting to the emergency department

Resident Kelsey Duplaga

Advisors Rybarczyk, Amy (Primary); Zimmerman, Jake; Heimann, Kathryn; Ambroziak, Ronda;

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Comparison of length of stay in two treatment severity criteria in Clostridium difficile infections

Resident Kyle Sobecki

Advisors Gallegos, Patrick (Primary); Mistry, Bhavin;

Academic Year: 2010-2011

Evaluation of the Effect of Single Dose Etomidate on Mortality in Patients with Traumatic Injury

Resident Johnny Chan

Advisors Dreiling, Jodi (Primary); Heimann, Kathryn; Zimmerman, Jake; Ann Salvator, MS

Renal function estimates in the trauma/surgical intensive care unit

Resident Matthew Grable

Advisors Berry, Nancy (Primary); McMullen, Nicole; Mistry, Bhavin; Ann Salvator, MS

The effect of a diagnosis of a depressive disorder on monitoring, control and management of patients with type 2 diabetes mellitus

Resident Samantha Ruffing

Advisors Paxos, Chris (Primary); Moorman, John; Frazee, Larry;

Evaluation of the management of suspected heparin-induced thrombocytopenia using a clinical probability score

Resident Amanda Tomko

Advisors Rybarczyk, Amy (Primary); Boros, Melanie; Reissig, Jim;

Academic Year: 2009-2010

Assessment of Nutrition Support in Acute Pancreatitis

Resident Christine Duff

Advisors Benedetti, Amanda (Primary); Reissig, Jim; Zimmerman, Jake; Nancy A. Myers, PhD

Evaluation of osteoporosis treatment after hip fracture

Resident Katherine Heimann

Advisors Dreiling, Jodi (Primary); McMullen, Nicole; Nancy A. Myers, PhD

Therapeutic troughs in individualized versus standard dosing of vancomycin

Resident Tamika White

Advisors Mistry, Bhavin (Primary); Berry, Nancy; Gallegos, Patrick;

Utilization of a reminder mailing to improve blood glucose log reporting in an outpatient diabetes clinic

Resident John Moorman

Advisors Frazee, Larry (Primary); Boros, Melanie; Diane L. Chomo, MD; Nancy A. Myers, PhD

Publication Moorman JM, Frazee LA, Dillon ML, Chomo DL, Myers NA. Utilization of a reminder mailing to improve blood glucose log reporting in an outpatient diabetes clinic. *Am J Ther* 2012;19:255-60.

Academic Year: 2008-2009

Clinical Impact of Temporary Therapy Interruptions on Anticoagulation Control in Patients Treated with Warfarin

Resident Melanie Dillon

Advisors Rybarczyk, Amy (Primary); Gallegos, Patrick; Zimmerman, Jake; Nancy A. Myers, PhD

Publication Boros ML, Rybarczyk AM, Gallegos PJ, Zimmerman JP. Clinical impact of temporary therapy interruptions on anticoagulation control in patients treated with warfarin. *Am J Ther* 2013;20(3):267-74

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Comparison of intramuscular antipsychotic medication: impact on length of stay and cost

Resident Jonathan Leung

Advisors Benedetti, Amanda (Primary); Frazee, Larry; Nancy A. Myers, PhD

Publication Leung JG, Benedetti AM, Frazee LA, Myers N. Comparison of short-acting intramuscular antipsychotic medication: impact on length of stay and cost. *Am J Ther* 2011;18:300-4.

Academic Year: 2007-2008

Establishing a potency ratio when converting to and from oral methadone in chronic pain patients

Resident Jacob Zimmerman

Advisors Reissig, Jim (Primary); Benedetti, Amanda;

Rapid Infusion of Monoclonal Antibodies vs. Standard Infusions and the Incidence of Acute Infusion Reactions

Resident Nicole Moore

Advisors Fisher-Lowe, Jennifer (Primary); Frazee, Larry;

Academic Year: 2006-2007

Impact of Obesity on Clinically Significant Heparin-Induced Bleeds

Resident Brittany Henak

Advisors Dreiling, Jodi (Primary); Rybarczyk, Amy;

Impact of Empiric Treatment Guidelines on Antibiotic Prescribing in Adult Oncology Patients with Febrile Neutropenia.

Resident Amanda Zelek

Advisors Fisher-Lowe, Jennifer (Primary); Reissig, Jim;

Academic Year: 2005-2006

Evaluation of the "1500 rule" and "1800 rule" for estimating supplemental insulin doses in hospitalized patients

Resident Michael Bradley

Advisors Rybarczyk, Amy (Primary); Frazee, Larry; Claire Bourguet, PhD

Evaluation of Adrenal Function in Critically Ill Patients After a Single Bolus of Etomidate

Resident Brian Emerick

Advisors ;

Academic Year: 2004-2005

Insulin Treatment Strategies in Hospitalized, Medically Ill Type 2 Diabetics – A Retrospective Descriptive Study

Resident Amanda Irick

Advisors Rybarczyk, Amy (Primary); Calhoun, Robert; Frazee, Larry;

Academic Year: 2003-2004

Argatroban Dosing in Critically Ill Patients

Resident Benjamin Lukens

Advisors Berry, Nancy (Primary); Frazee, Larry; Rybarczyk, Amy; Ann Salvator

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Academic Year: 2002-2003

Screening for nephropathy and antihypertensive use among diabetic patients in an academic community medical center.

Resident Seyhoun Samandari-Gupta

Advisors Frazee, Larry (Primary); Tom Tanphaichitr, MD; Eugene Pfister, MD; Claire Bourget, PhD.

Publication *Frazee LA, Samandari S, Tanphaichitr N, Bourget CC, Pfister EW. Screening for nephropathy and antihypertensive use among diabetic patients in an academic community medical center. Am J Ther 2006;13:18-23*

Academic Year: 2001-2002

Retrospective comparison of nebulized levalbuterol and albuterol for adverse events in patient with acute airflow obstruction.

Resident Vanessa Scott

Advisors Frazee, Larry (Primary);

Publication *Scott V, Frazee LA. Retrospective comparison of nebulized levalbuterol and albuterol for adverse events in patient with acute airflow obstruction. Am J Ther 2003;10:341-7.*

Academic Year: 2000-2001

A Randomized, Double-Blind Comparison Study of Magnesium Sulfate and Normal Saline as a Vehicle for Nebulized Albuterol in Acute Asthma

Resident Amy Rybarczyk

Advisors Frazee, Larry (Primary);

A Prospective Double-Blind Randomized Placebo Controlled Trial to Evaluate Glutamine for the Treatment of Taxane Induced Peripheral Neuropathy

Resident James Reissig

Advisors Nesbit, Suzanne (Primary); Rule, Ann;