Current and Previous Residents (through 2020) Douglas Fish, Pharm.D. Initiation – 2018; Scott Mueller, Pharm.D. 2018 – current *Search PubMed by Author for Updated Indexed Publications*

ASHP-Accredited PGY2 Critical Care Residents:

- 1. <u>Tony Singletary, Pharm.D.</u> (Critical Care Resident, 1996-1997): Pharmacy Manager, Private Clinic, Albany and Colombus, GA; and Preceptor, University of Georgia College of Pharmacy, Athens, GA. Formerly Branch Operations Manager, CarePoint Partners, BioScrip Company, Albany, GA; General Manager, Pinnacle Infusion, Albany GA; Owner, Pinnacle Infusion, Albany, GA; Home Infusion Pharmacy Manager, Phoebe Putney Memorial Hospital, Albany, GA; and Clinical Pharmacist in Critical Care, Phoebe Putney Memorial Hospital, Albany, GA.
 - Fish DN, Singletary TJ. Cross-resistance to both atracurium- and vecuronium-induced neuromuscular blockade in a critically ill patient. **Pharmacotherapy** 1997; 17:1322-7.
 - Fish DN, Singletary TJ. Meropenem: a new carbapenem antibiotic. **Pharmacotherapy** 1997; 17:644-69.
 - Singletary TJ, Fish DN, Zamora MR, Hodges TN. Safety and efficacy of amphotericin B lipid complex in thoracic transplantation. 63rd Annual International Scientific Assembly of the American College of Chest Physicians, New Orleans, LA. October 26-30, 1997. **Chest** 1997;112(Suppl):49S.
- 2. <u>Jill Rebuck, Pharm.D., BCPS</u> (Critical Care Resident, 1997-1998): Director, Clinical Pharmacy Services, Penn State Health / Milton S. Hershey Medical Center, Hershey, PA. Formerly Director of Pharmacy, Lancaster General Health, Lancaster, PA; Clinical Pharmacist in Surgical/Trauma Intensive Care, Fletcher Allen Health Care System and Assistant Professor of Medicine, University of Vermont, Burlington, VT; and Clinical Assistant Professor of Pharmacy, University of Massachusetts College of Pharmacy, Boston, MA.
 - Rebuck JA, Abraham E, Fish DN. Pharmacokinetics of intravenous and oral levofloxacin in critically ill adults in a medical intensive care unit. **Pharmacotherapy** 2002; 22:1216-1225.
 - Rebuck JA, Fish DN. Thalidomide revisited. The AIDS Reader 1998; 8:7-9.
 - Rebuck JA, Fish DN. Pharmacist-initiated antimicrobial interventions in critically ill patients. The 19th Annual Meeting of the American College of Clinical Pharmacy, Cincinnati, Ohio. **Pharmacotherapy** 1998; 18:1144 (abstract 39).
 - Rebuck JA, Abraham E, Fish DN. Pharmacokinetics of intravenous levofloxacin in adult critically ill patients. The 20th Annual Meeting of the American College of Clinical Pharmacy, Kansas City, Missouri. October, 1999. **Pharmacotherapy** 1999; 19:1199 (41E).
 - Rebuck JA, Abraham E, Fish DN. Pharmacokinetics of intravenous levofloxacin in adult critically ill patients. 28th Educational and Scientific Symposium of the Society of Critical Care Medicine, San Francisco, CA. January, 1999. **Critical Care Medicine** 1999; 27(Suppl 1):A138 (abstract 345).

- Rebuck JA, Fish DN, Abraham E. Pharmacokinetics of orally administered levofloxacin in critically ill patients. Invited Poster Session, 36th Annual Midyear Clinical Meeting of the American Society of Health-System Pharmacists, New Orleans, LA. December, 2001.
- 3. <u>Deborah Sherman, Pharm.D.</u> (Critical Care Resident, 1998-2000): Clinical Specialist in Critical Care/Neurosurgical Intensive Care, UCHealth/University of Colorado Hospital, Denver, CO. Formerly Clinical Pharmacist in Critical Care, Methodist Hospital, Indianapolis, IN.
 - Sherman DS, Fish DN, Teitelbaum I. Assessing renal function in cirrhotic patients: problems and pitfalls. **American Journal of Kidney Diseases** 2003; 41:269-278.
 - Sherman DS, Kass CL, Fish DN. Treatment of heparin-induced hyperkalemia with fludrocortisone (case report). **Annals of Pharmacotherapy** 2000; 34:606-610.
 - Sherman DS, Fish DN, Hodges TN, Zamora MR. Evaluation of the efficacy and cost of cytomegalovirus immune globulin (CMVIG) after lung transplantation. The 20th Annual Meeting of the American College of Clinical Pharmacy, Kansas City, Missouri. October, 1999. Pharmacotherapy 1999;19:1223 (abstract 190).
 - Zamora MR, Sherman DS, Fish DN, Olmos JJ, Torres F, Hodges TN. Cytomegalovirus immune globulin (CMVIG) in combination with ganciclovir provides cost-effective prophylaxis of CMV after lung transplantation. The 19th Annual Meeting and Scientific Sessions of the International Society of Heart and Lung Transplantation, San Francisco, CA. April, 1999. Journal of Heart and Lung Transplantation 1999; 18:81 (abstract 194).
- 4. <u>Diane (Barker) Pepe, Pharm.D., BCPS</u> (Critical Care Resident, 2000-2001): Clinical Pharmacist, Medical Center of Aurora, Aurora, CO. Formerly Clinical Pharmacy Coordinator, Medical Center of Aurora; and Critical Care/Emergency Room Clinical Pharmacist, Medical Center of Aurora, Aurora, CO.
- 5. Marilee Obritsch, Pharm.D., BCPS (Critical Care Resident, 2002-2003): Clinical Pharmacist, Regional Health/Rapid City Regional Hospital, Rapid City, SD. Formerly Clinical Pharmacist, Indian Health Service/Public Health Service Clinics, Juneau, AK; Clinical Specialist in Critical Care, Hillcrest Medical Center, Tulsa, OK; and Assistant Professor of Pharmacy, Department of Pharmacy Practice, University of Oklahoma College of Pharmacy (Tulsa Campus), Tulsa, OK.
 - Obritsch MD, Jung R, Fish DN, MacLaren R. Effects of continuous vasopressin infusion in patients with septic shock. **Annals of Pharmacotherapy** 2004; 38:1115-20.
 - Obritsch M, Bestul D, Jung R, Fish D, MacLaren R. Role of vasopressin in vasodilatory septic shock. **Pharmacotherapy** 2004; 24:1050-1063.
 - Obritsch MD, Fish DN, MacLaren R, Jung R. National prevalence of antimicrobial resistance in intensive care unit isolates of *Pseudomonas aeruginosa*, 1993-2002. **Antimicrobial Agents and Chemotherapy** 2004; 48:4606-4610.
 - Obritsch M, MacLaren R, Jung R, Fish D. Effects of continuous vasopressin infusion in patients with septic shock. 33rd Critical Care Congress of the Society of Critical Care Medicine, Orlando, FL. February, 2004. Critical Care Medicine 2004; 31(Suppl):A122 (abstract 440).

- Obritsch M, Fish D, MacLaren R, Jung R. Surveillance for multi-drug resistance among clinical isolates of *Pseudomonas aeruginosa* from intensive care units in the United States, 1993-2002.
 43rd Annual Meeting of the American Society for Microbiology, Chicago, IL. September, 2003. Abstracts of the 43rd Interscience Conference on Antimicrobial Agents and Chemotherapy 2003:742 (abstract C2-1970).
- 6. Ty Kiser, Pharm.D., BCPS (Critical Care Resident, 2003-2004): Associate Professor of Pharmacy, Department of Clinical Pharmacy, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences; and Clinical Specialist in Critical Care, UCHealth/University of Colorado Hospital, Aurora, CO.
 - Kiser TH, Jung R, MacLaren R, Fish DN. Evaluation of diagnostic tests and argatroban or lepirudin therapy in patients with suspected heparin-induced thrombocytopenia. **Pharmacotherapy** 2005; 25:1736-1745.
 - Kiser T, Fish DN, Obritsch MD, Jung R, MacLaren M, Parikh CR. Vasopressin, not octreotide, may be beneficial in the treatment of hepatorenal syndrome: a retrospective study. **Nephrology Dialysis Transplantation** 2005; 20:1813-1820.
 - Kiser TH, Fish DN, Parikh CR. Predictors of response to vasopressin and/or octreotide infusions in patients with hepatorenal syndrome. 34th Critical Care Congress of the Society of Critical Care Medicine, Phoenix, AZ. January, 2005. Critical Care Medicine 2004; 32(Suppl):A123 (abstract 446).
 - Kiser T, Fish DN, Parikh C. Vasopressin, not octreotide, is beneficial in the treatment of hepatorenal syndrome. Abstracts of the 37th Annual Meeting and Scientific Exposition of the American Society of Nephrology, St. Louis, MO, October, 2004. **Journal of the American Society of Nephrology** 2004; 15:349A.
 - Kiser TH, Fish DN, Jung R, MacLaren R. Evaluation of direct thrombin inhibitor use in patients with proven or suspected heparin-induced thrombocytopenia (HIT). The 24th Annual Meeting of the American College of Clinical Pharmacy, Dallas, TX. October, 2004. **Pharmacotherapy** 2004; 24:1428 (abstract 54).
- 7. <u>Paul Juang, Pharm.D., BCPS, BCCCP</u> (Critical Care Resident, 2004-2005): Associate Professor of Pharmacy, Department of Pharmacy Practice, St. Louis College of Pharmacy, St. Louis, MO.
 - Juang P, Fish DN, Jung R, MacLaren R. Retrospective case-control evaluation of enteral glutamine supplementation in critically ill burn patients. **Pharmacotherapy** 2007; 27:11-19.
 - Juang P, Fish DN, Jung R, MacLaren. Retrospective Case-Control Evaluation of Enteral Glutamine in Critically Ill Burn Patients. 35th Critical Care Congress of the Society of Critical Care Medicine, San Francisco, CA. January, 2006. **Critical Care Medicine** 2005; 33(Suppl):A98 (abstract 168-M).
 - Juang P, MacLaren R, Jung R, Fish DN. Usage and associated outcomes of IV antifungal agents for candidemia. The 26th Annual Meeting of the American College of Clinical Pharmacy, St. Louis, MO. October 26-29, 2006. **Pharmacotherapy** 2006; 26:e71 (abstract 128).

- 8. <u>James Landzinski, Pharm.D.</u> (Critical Care Resident, 2005-2006): Clinical Pharmacy Manager, INOVA Fairfax Medical Campus, Falls Church, VA., FormerlyClinical Pharmacist in Critical Care, Georgetown University Medical Center; and Clinical Assistant Professor, Howard University School of Pharmacy, Washington, DC.
 - Landzinski J, Kiser T, Fish DN, Wischmeyer P, MacLaren R. Gastric motility function in critically-ill patients tolerant versus intolerant to gastric nutrition. **JPEN, Journal of Parenteral and Enteral Nutrition** 2008; 32:45-50.
 - Landzinski J, Kiser T, Fish DN, MacLaren R, Wischmeyer P. Gastric Motility Function in Critically-Ill Patients Tolerant versus Intolerant to gastric Nutrition. 37th Critical Care Congress of the Society of Critical Care Medicine, Honolulu, HI. February 2-6, 2008. Critical Care Medicine 2007; 35(Suppl):A193 (abstract 706).
- 9. Phillip Owen, Pharm.D., BCPS (Critical Care Resident, 2006-2007): Clinical Specialist in Critical Care/Cardiothoracic Surgery, University of North Carolina Hospitals; and Adjunct Assistant Professor, Division of Practice Advancement and Clinical Education, University of North Carolina Eshelman School of Pharmacy, Chapel Hill, NC. Formally Clinical Assistant Professor, Department of Pharmacy Practice, Mercer University College of Pharmacy and Health Sciences, Atlanta, GA.
 - Owen PS, Tan EC, Kiser T, Fish DN, MacLaren R. Reliability and accuracy of practitioner-calculated Acute Physiology and Chronic Health Evaluation II scores for determining the appropriateness of drotrecogin alfa (activated). **American Journal of Health-Systems Pharmacy** 2010; 67:136-143.
 - Owen PS, MacLaren R, Kiser T, Fish D. Assessment of APACHE II Scoring Accuracy and Drotrecogin Alfa Use Amongst Health Care Professionals Using Adjudicated Clinical Cases. 37th Critical Care Congress of the Society of Critical Care Medicine, Honolulu, HI. February 2-6, 2008. Critical Care Medicine 2007; 35(Suppl):A275 (abstract 990).
 - Owen PS, Kiser T, MacLaren R, Fish DN. Reliability and Accuracy of Calculating APACHE II
 Scores Amongst Critical Care Clinicians. 38th Critical Care Congress of the Society of Critical
 Care Medicine, Nashville, TN. January 31-February 4, 2009. Critical Care Medicine 2008;
 36(Suppl):A169 (abstract 658).
- 10. <u>Erica (Horinek) Wang, Pharm.D., BCPS</u> (Critical Care Resident, 2007-2008): Clinical Pharmacist in Critical Care, Rose Medical Center, Denver, CO. Formerly Clinical Pharmacist in Critical Care, Sky Ridge Medical Center, Lone Tree, CO.
 - Horinek E, Kiser T, Fish DN, MacLaren R. Propylene glycol accumulation in critically ill patients receiving continuous intravenous lorazepam infusions. **Annals of Pharmacotherapy** 2009; 43:1964-1971.
 - Horinek E, Fish DN. Spontaneous bacterial peritonitis. **American Journal of Critical Care Nursing** 2009; 20:121-125.

- Horinek EL, MacLaren R, Kiser TH, Fish DN. Propylene Glycol Accumulation in Patients Receiving Intravenous Lorazepam Infusions. The 28th Annual Meeting of the American College of Clinical Pharmacy, Louisville, KY. October 19-22, 2008. **Pharmacotherapy** 2008; 28:130e (abstract 51).
- 11. <u>Scott Mueller, Pharm.D., BCCCP, FCCM, FCCP</u> (Critical Care Resident, 2008-2009): Associate Professor of Pharmacy, Department of Clinical Pharmacy, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences; and Clinical Specialist in Critical Care, UCHealth/University of Colorado Hospital, Aurora, CO.
 - Mueller S, Kiser T, MacLaren R, Fish DN. Pre-filter bivalirudin for preventing hemofilter occlusion in continuous renal replacement therapy. Annals of Pharmacotherapy 2009; 43:1360-1365.
 - Mueller SW, Winn R, Macht M, Fish DN, Kiser TH, MacLaren R. Neuromuscular blockade resistance during therapeutic hypothermia. **Annals of Pharmacotherapy** 2011; 45: e-publication March 8.
- 12. <u>Sarah (Carson) Scoular, Pharm.D., BCPS</u> (Critical Care Resident, 2009-10): Clinical Assistant Professor, Department of Clinical Pharmacy, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences; and Clinical Specialist in Internal Medicine, UCHealth/University of Colorado Hospital, Aurora, CO. Formerly Clinical Pharmacist in Internal Medicine/Infectious Diseases, Exempla St. Joseph Hospital, Denver, CO.
- 13. <u>Lynn (Anliker) Kassel, Pharm.D., BCPS</u> (Critical Care Resident, 2010-2011): Assistant Professor of Pharmacy, Department of Pharmacy Practice, Drake University College of Pharmacy & Health Sciences. Formerly Assistant Professor of Pharmacy, Department of Pharmacy Practice, University of Missouri School of Pharmacy, Columbia, MO; and Clinical Specialist in Cardiology/Critical Care, University of Missouri Hospital and Clinics, Columbia, MO.
 - MacLaren R, Kassel LE, Kiser TH, Fish DN. Proton Pump Inhibitors and Histamine-2 Receptor Antagonists in the Intensive Care Setting: Focus on Therapeutic and Adverse Events. **Expert Opinion on Drug Safety** 2015; 14:269-280.
 - Anliker L, Kiser T, Fish D, Sherman D, MacLaren R, Neumann R. Evaluation of vancomycin and cefepime pharmacokinetics in critically ill neurosurgical patients. 41st Critical Care Congress of the Society of Critical Care Medicine, Houston, TX. February 4-8, 2011. Critical Care Medicine 2011; 39(Suppl):abstract 694.
 - Anliker L, Kiser T, Fish D, MacLaren R. Pharmacokinetic analysis of medication clearance for critically ill patients receiving continuous renal replacement therapy. 41st Critical Care Congress of the Society of Critical Care Medicine, Houston, TX. February 4-8, 2011. Critical Care Medicine 2011; 39(Suppl):abstract 737.
 - Anliker L, Foster C, Kiser T, Mueller S, Sherman D, MacLaren R, Neumann R, Fish D. A pharmacokinetic evaluation of vancomycin and cefepime in critically ill neurosurgical patients.. 42nd Critical Care Congress of the Society of Critical Care Medicine, San Juan, Puerto Rico. January 19-23, 2013. **Critical Care Medicine** 2012; 40(Suppl):abstract 935.

- Kassel L, Van Matre E, Foster C, Kiser T, MacLaren R, Mueller S, Sherman D, Wempe M, Neumann R, Fish D. A Randomized Pharmacokinetic and Pharmacodynamic Evaluation of Every 8-hour and 12-hour Dosing Strategies of Vancomycin and Cefepime in Neurocritically Ill Patients. **Pharmacotherapy** 2018; e-pub June 15: doi.org/10.1002/phar.2156.
- 14. <u>Kelly Schoeppler, Pharm.D., BCPS</u> (Critical Care Resident, 2011-2012): Clinical Specialist in Lung Transplantation, UCHealth/University of Colorado Hospital, Aurora, CO. Formerly Clinical Specialist in Critical Care/Cardiothoracic Intensive Care and Solid Organ Transplantation, UCHealth/University of Colorado Hospital, Aurora, CO.
 - Schoeppler KE, Aquilante CL, Kiser TH, Fish DN, Zamora MR. The impact of genetic polymorphisms, diltiazem, and demographic variables on everolimus concentrations in lung transplant recipients. Accepted for publication, **Clinical Transplantation** 2014; 28:590-597.
 - Schoeppler K, Kiser T, Mueller S, MacLaren R, Sherman D, Fish D. An evaluation of voriconazole and posaconazole therapeutic drug monitoring. 42nd Critical Care Congress of the Society of Critical Care Medicine, San Juan, Puerto Rico. January 19-23, 2013. **Critical Care Medicine** 2012; 40(Suppl):abstract 921.
- 15. <u>Charlie Foster, Pharm.D., BCPS, BCCCP</u> (Critical Care Resident, 2011-2012): Clinical Specialist in Critical Care/Burn Intensive Care, UCHealth/University of Colorado Hospital, Denver, CO. Formerly Clinical Pharmacist, Centura St. Anthony Central Medical Center, Lakewood, CO; and Clinical Specialist in Critical Care, UCHealth/University of Colorado Hospital, Aurora, CO.
 - Foster C, Mueller S, Vanderweide L, Kiser T, Fish D, MacLaren R. Addition of dexmedetomidine to the standard of care for severe alcohol withdrawal. 42nd Critical Care Congress of the Society of Critical Care Medicine, San Juan, Puerto Rico. January 19-23, 2013. Critical Care Medicine 2012; 40(Suppl):abstract 121.
 - Anliker L, Foster C, Kiser T, Mueller S, Sherman D, MacLaren R, Neumann R, Fish D. A pharmacokinetic evaluation of vancomycin and cefepime in critically ill neurosurgical patients.. 42nd Critical Care Congress of the Society of Critical Care Medicine, San Juan, Puerto Rico. January 19-23, 2013. **Critical Care Medicine** 2012; 40(Suppl):abstract 935.
 - Kassel L, Van Matre E, Foster C, Kiser T, MacLaren R, Mueller S, Sherman D, Wempe M, Neumann R, Fish D. A Randomized Pharmacokinetic and Pharmacodynamic Evaluation of Every 8-hour and 12-hour Dosing Strategies of Vancomycin and Cefepime in Neurocritically Ill Patients. **Pharmacotherapy** 2018; e-pub June 15: doi.org/10.1002/phar.2156.
- 16. <u>Courtney Shakowski, Pharm.D., BCPS, BCCCP</u> (Critical Care Resident, 2012-2013): Clinical Specialist in Critical Care/Cardiology, UCHealth/University of Colorado Hospital, Aurora, CO.
 - Shakowski C, Page R, Fish D, Stolpman N. The Colorado Aurora theater shooting: lessons learned in the department of Pharmacy from a single center perspective. **American Journal of Health-System Pharmacy** 2014; 71:781-782.
 - Shakowski C, Mueller S, Goolsby T, Fish DN. Adherence to IDSA guidelines in the treatment of acute uncomplicated pyelonephritis in the Emergency department (ED). 53rd Annual Meeting of the American Society for Microbiology, Denver, CO. September 10-13, 2013. **Abstracts of**

the 53rd Interscience Conference on Antimicrobial Agents and Chemotherapy 2013: abstract L-738.

- 17. Paul Reynolds, Pharm.D., BCCCP, BCPS (Critical Care Resident, 2012-2013): Assistant Professor, Department of Clinical Pharmacy, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences; and Clinical Specialist in Critical Care, UCHealth/University of Colorado Hospital, Aurora, CO. Formerly Medical Product Specialist, Micromedex/Truven Health Analytics, Greenwood Village, CO; and Clinical Specialist in Critical Care, UCHealth/University of Colorado Hospital, Aurora, CO.
 - Reynolds P, MacLaren R, Mueller S, Fish DN, Kiser T. Management of extravasation injuries: a focused evaluation of non-cytotoxic medications. **Pharmacotherapy** 2014; 34:617-632.
- 18. <u>Amanda Morris</u>, Pharm.D., BCPS, BCCCP (Critical Care Resident, 2013-2014): Clinical Specialist in Critical Care and PGY1 Residency Program Director, University of California San Francisco Medical Center, San Francisco, CA.
 - Morris AA, Page RL, Baumgartner LJ, Mueller SW, MacLaren R, Fish DN, Kiser TH. Thiocyanate accumulation in critically ill patients receiving nitroprusside infusions. **Journal of Intensive Care Medicine** 2016; e-pub DOI: 10.1177/0885066616657004.
 - Saavedra M, Poch KR, Casciano M, Kiser TH, Fish D, Morris A, Nichols DP, Taylor-Cousar JL, Strand M, Nick JA. Efficacy and Safety of Colistin Compared to Tobramycin for Intravenous Treatment of Acute Pulmonary Exacerbations in Adults with Cystic Fibrosis.

 American Journal of Respiratory and Critical Care Medicine 191:2015:A1460.
 - Morris A, Page RL, Mueller S, MacLaren R, Fish DN, Kiser T. Thiocyanate accumulation in critically ill patients receiving nitroprusside infusions. 44rd Critical Care Congress of the Society of Critical Care Medicine, Phoenix, AZ. January 17-21, 2015. **Critical Care Medicine** 2014; 42(Suppl):abstract 644.
- 19. <u>Laura Baumgartner</u>, Pharm.D., BCPS, BCCCP (Critical Care Resident, 2013-2014): Assistant Professor of Pharmacy, Department of Pharmacy Practice, and PGY1 Residency Program Director, Touro University College of Pharmacy, Vallejo, CA; and Clinical Pharmacist in Critical Care/Trauma, Alameda Health System-Highlands Hospital, Oakland, CA. Formerly Clinical Pharmacist in Critical Care/Trauma, San Francisco General Hospital, San Francisco, CA.
 - Mueller S, Baumgartner L, Neumann R, Cava L, MacLaren R, Kiser T, Fish D, Janoff E.
 Assessment of 23-valent pneumococcal vaccine response in critically-ill neurosurgical patients.

 45th Critical Care Congress of the Society of Critical Care Medicine, Orlando, FL. February 20-24, 2016. Critical Care Medicine 2015; 43(Suppl):abstract 474.
 - Mueller SW, Baumgartner LJ, Lindberg G, Wiktor A, MacLaren R, Kiser T, Fish D, Janoff EN. Assessment of 23-valent pneumococcal vaccine response in critically-ill burn patients. Am J Pharm Educ 2015:79(5): ArticleS4:131. American Association of Colleges of Pharmacy 2015 Annual Meeting, Washington, DC.

- 20. <u>Nicole (Kelly) Paavola</u>, Pharm.D., BCCCP (Critical Care Resident, 2014-2015): Clinical Specialist in Emergency Medicine, UCHealth/University of Colorado Hospital, Aurora, CO.
 - Paavola N, Kiser T, Fish D, MacLaren R, Mueller S, Lindberg G, Moine P. Pharmacokinetic evaluation of continuous and extended-infusion antibiotics in burn patients. 46th Critical Care Congress of the Society of Critical Care Medicine, Honolulu, HI. January 21-25, 2017. **Critical Care Medicine** 2016; 44(Suppl):abstract 704.
 - Lindberg G, Moine P, Paavola N, Kiser T, Fish D, Mueller S. Bolus and Continuous Infusion of Antibiotics Achieves Therapeutic Levels Better Than Traditional Dosing In Burn Patients. 50th Annual Meeting of the American Burn Association, Chicago, IL. April 10-13, 2018. **ABA**Annual Meeting Abstracts 2018; abstract 201.
- 21. <u>Lauren Roller</u>, Pharm.D., BCCCP (Critical Care Resident, 2014-2015): Assistant Professor of Pharmacy, Department of Pharmacy Practice, Touro University College of Pharmacy, Vallejo, CA; and Clinical Pharmacist in Critical Care/Trauma and PGY1 Residency Program Director, Alameda Health System-Highlands Hospital, Oakland, CA. Formerly Clinical Pharmacist in Critical Care/Trauma, San Francisco General Hospital, San Francisco, CA.
 - Roller L, MacLaren R, Kiser T, Mueller S, Fish D, Wischmeyer P. The influence of acid suppressants on oral and fecal microbiomes in critically ill patients. 2015 American College of Clinical Pharmacy Annual Meeting. San Francisco, CA. October 17-21, 2015. **Pharmacotherapy** 2015; 35: abstract 360.
- 22. <u>Kimberly Won</u>, Pharm.D. BCCCP (Critical Care Resident, 2015-2016): Assistant Professor of Pharmacy, Department of Pharmacy Practice, and Clinical Pharmacist in Emergency Medicine, Chapman University School of Pharmacy, Irvine, CA.
 - Won KJ, Jacknin G, Hatten BW, Fish DN. Parenteral lidocaine to treat symptomatic nephrolithiasis. SAEM 2017: Annual Meeting of the Society for Academic Emergency Medicine, Orlando, FL. May 17-19, 2017.
- 23. <u>Jacob Beyer</u>, Pharm.D. BCCCP (Critical Care Resident, 2015-2016): Critical Care Pharmacy Specialist Denver Health, Denver, CO. Clinical Specialist in Critical Care, UCHealth/University of Colorado Hospital, Aurora, CO.
 - Beyer J, Schoeppler K, Zanotti G, Weiss G, Mueller S, MacLaren R, Fish DN, Kiser TH. Antithrombin administration during intravenous heparin anticoagulation in the intensive care unit: A single-center matched retrospective cohort study. **Clinical and Applied Thrombosis/Hemostasis** 2016; e-pub DOI: 10.1177/1076029616668407.

- 24. Edward Van Matre, Pharm.D., BCCCP (Critical Care Resident, 2015-2016): Assistant Professor of Pharmacy, Department of Clinical Pharmacy and Translational Sciences, University of Tennessee College of Pharmacy, Memphis, TN. Formerly Fellow in Critical Care, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO.
 - Van Matre E, Mueller S, Neumann R, Cava L, MacLaren R, Fish D, Kiser T. Levetiracetam pharmacokinetics in a patient with intracranial hemorrhage undergoing CVVH. 46th Critical Care Congress of the Society of Critical Care Medicine, Honolulu, HI. January 21-25, 2017. Critical Care Medicine 2016; 44(Suppl):abstract 1843. (SCCM Abstract Award winner)
- 25. <u>Shelby Evans, Pharm.D. BCCCP</u>: (Critical Care Resident, 2016-2017): Critical Care Pharmacy Specialist University of Colorado Health, Aurora, CO. Formerly Critical Care Pharmacist, UCHealth/Memorial Medical Center, Colorado Springs, CO.
 - Project: Microbiome changes in critically ill patients receiving proton pump inhibitors for stress ulcer prophylaxis.
 - Van Matre ET, Evans SL, Mueller SW, MacLaren R, Fish DN, Kiser TH. Comparative evaluation of isavuconazonium sulfate, voriconazole, and posaconazole for the management of invasive fungal infections in an academic medical center. Ann Clin Microbiol Antimicrob. 2019;18(1):13. doi: 10.1186/s12941-019-0311-3
- 26. <u>Jason Detry, Pharm.D. BCCCP</u>: (Critical Care Resident, 2016-2017): Critical Care Pharmacy Specialist Swedish Medical Center, Denver, CO. Formerly Lead Pharmacist in Emergency Medicine, Cabell Huntington Hospital, Huntington, WV.
 - Detry J, Shakowski C, McIlvennan C, Brieke A, Page R, Fish D, Mueller S. Perioperative prophylaxis in left ventricular assist device implantation. 46th Critical Care Congress of the Society of Critical Care Medicine, Honolulu, HI. January 21-25, 2017. Critical Care Medicine 2016; 44(Suppl):abstract 639. (SCCM Abstract Award winner)
- 27. <u>Cora Housley, Pharm.D, BCCCP</u>. (Critical Care Resident, 2017-2018): Neonatal ICU Clinical Pharmacy Specialist University of Arkansas for Medical Sciences (2019-present), formerly Assistant Professor of Pharmacy, Department of Pharmacy Practice, University of Kansas School of Pharmacy, Lawrence, KS.
 - Projects: Microbiome changes in critically ill patients receiving proton pump inhibitors for stress ulcer prophylaxis.
- 28. Victoria Stevens, Pharm.D. (Critical Care Resident, 2018-2019): Critical Care Pharmacy Specialist, University of Colorado Health, Aurora, CO
 - Project: Pharmacokinetics of betrixaban in critically ill patients (administered to patients receiving renal replacement therapies)
 - Research MUE: Adjunctive lidocaine infusion as an opiate sparing agent for the treatment of pain in burn victims

- 29. Craig Furnish, Pharm.D. (Critical Care Resident, 2018-2019): Pediatric Intensive Care Unit and Emergency Medicine Pharmacist, Children's Hospital of Colorado, Aurora, CO
 - Project: Pharmacokinetics of betrixaban in critically ill patients (administered via feeding tube in mechanically ventilated patients with or without enteric feeding)
 - Research MUE: Furnish C, Mueller SW, Kiser TH, Dufficy L, Sullivan B, Beyer JT. Hydroxocobalamin versus methylene blue for vasoplegic syndrome in cardiothoracic surgery: a retrospective cohort. J Cardiothorac Vasc Anesth 2020;34(7):1763-1770
- 30. Alison Novak, PharmD. (Critical Care Resident, 2019-2020): Emergency Medicine Clinical Pharmacy Specialist, University of Colorado Health, Aurora, CO
 - Project: Cefazolin cerebral spinal fluid distribution in neurosurgical patients with external ventricular drains.
 - o 2021 SCCM STAR Research Achievement Award and 2021 In Training Award.
 - Research MUE: Direct acting oral anticoagulants in extremes of body weight.
 - Novak AR, Bradley ME, Kiser TH, Mueller SW. Azole-resistant Aspergillus and Echinocandin-resistant Candida What are the treatment options? Curr Fungal Infect Rep 2020;14(2):141-152. doi: 10.1007/s12281-020-00379-2
- 31. Mary Bradley, PharmD. (Critical Care Resident, 2019-2020): Critical Care Clinical Pharmacy Specialist, St. Vincent Health System, Little Rock, AR
 - Project: Correlation Between mMINDS, SEWS, and CIWA-Ar Scoring Tools for the Treatment of Alcohol Withdrawal Syndrome: a prospective analysis.
 - o Awarded the 2019 ACCP Critical Care PRN PGY2 Grant.
 - Research MUE: Evaluation of safety and efficacy of reduced-dose and once daily tPA/DNase for complicated intrapleural effusions
 - Novak AR, Bradley ME, Kiser TH, Mueller SW. Azole-resistant Aspergillus and Echinocandin-resistant Candida What are the treatment options? Curr Fungal Infect Rep 2020;14(2):141-152. doi: 10.1007/s12281-020-00379-2
- 32. Sonya Kedzior, PharmD.: Critical Care Resident, 2020-2021:
 - Project: A prospective pharmacokinetic analysis of peri-operative antimicrobial therapy in ventricular assist device-supported heart failure patients.
 - Research MUE: Evaluation of a pharmacy driven MRSA nasal swab antibiotic de-escalation in hospitalized patients with pneumonia
- 33. Julie Farrar, PharmD.: Critical Care Resident, 2020-2021: Emergency Medicine Clinical Pharmacy Specialist, University of Colorado Health, Aurora, CO
 - Project: Evaluation of sedative distribution into the cerebral spinal fluid in neurosurgical patients with external ventricular drains.
 - Research MUE: Evaluation of a VTE prophylaxis protocol in hospitalized patients with COVID-19

Critical Care/Infectious Diseases Research Fellows

- 1. <u>Rebecca Malone, Pharm.D., BCPS</u> (Infectious Diseases/Pharmacokinetics Fellowship, 1997-1999): Clinical Pharmacist at the University of Arizona Medical Center, Tucson, AZ.
 - Malone RS, Fish DN, Spiegel DM, Peloquin CA. Effects of hemodialysis on cycloserine, ethionamide, para-aminosalicylic acid and clofazimine. **Chest** 1999; 116:984-990.
 - Malone RS, Fish DN, Spiegel DM, Peloquin CA. Effects of hemodialysis on isoniazid, rifampin, pyrazinamide and ethambutol. American Journal of Respiratory and Critical Care Medicine 1999;159:1580-1584.
 - Malone RS, Fish DN, Abraham E, Teitelbaum I. Pharmacokinetics of cefepime during continuous renal replacement therapy in critically ill patients. **Antimicrobial Agents and Chemotherapy** 2001; 45:3148-3155.
 - Malone RS, Fish DN, Teitelbaum I, Abraham E. Pharmacokinetics of levofloxacin and ciprofloxacin during continuous renal replacement therapy in critically ill patients.
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