

Scientific Poster Presentations, I

Monday, October 14

Convention Center:

Fran Hill NE Exhibit Hall

11:30 a.m.–1:15 p.m.

ENCORE PRESENTATIONS

Abstracts marked with an “E” are Encore Presentations. Encore Presentations undergo the same peer-review process as all other presentations, but they may have been presented elsewhere or published in abstract form before the 2013 Annual Meeting. For presentations, the abstract title, authors, and original citation (if provided) are published.

AWARDS COMPETITION

Abstracts marked with an “F” listed on pages 156–159 are finalists for the Best Student Poster, Best Resident and Fellow Poster, and Best Paper awards. These papers were selected by a special panel of reviewers. Award winners for the Best Student Poster and Best Resident and Fellow Poster will be announced at 1:00 p.m. on Monday, October 14, in the Fran Hill NE Exhibit Hall. The award winner for the Best Paper will be announced at 9:45 a.m. on Tuesday, October 15, in the Fran Hill NE Exhibit Hall.

ORIGINAL RESEARCH

These papers describe original research in therapeutics, pharmacokinetics, pharmacodynamics, pharmacoeconomics, and pharmacoepidemiology.

Endocrinology

68. Weekly Exenatide Therapy: A Real-world Comparison of Incretin Therapies.

Sara Micale, Pharm.D.,¹ Shahabodin Khatounabadi, BHSc,¹ *Michael Kane, Pharm.D., FCCP, BCPS, BCACP*;¹ Robert Busch, M.D., FACE,² Gary Bakst, M.D.,² Jill Abelseth, M.D., FACE,² Robert Hamilton, Pharm.D., MPH³; (1)Albany College of Pharmacy and Health Sciences, Albany, NY; (2)The Endocrine Group, LLP, Albany, NY; (3)Albany College of Pharmacy and Health Sciences – Vermont Campus

69. Change in Levothyroxine Dose Requirements After Bariatric Surgery.

Christopher M. Bland, Pharm.D., BCPS, Lori B. Sweeney, M.D., Adam M. Tritsch, M.D., David A. Bookstaver, Pharm.D., Yong U. Choi, M.D.; Eisenhower Army Medical Center, Fort Gordon, GA

70E. Colesevelam HCl: Glycemic and Lipid Parameter Effects in Patients with Type 2 Diabetes Mellitus Treated with Metformin-Based Therapy and a Statin.

Michael R. Jones, Ph.D.,¹ Harold E. Bays, M.D., FACP² *Soamnauth Misir, Pharm.D., RPh, MBA*;¹ (1)Daiichi Sankyo, Inc., Parsippany, NJ; (2)Louisville Metabolic and Atherosclerosis Research Center, Louisville, KY

71E. Saxagliptin as Add-on to Metformin + Sulfonyleurea in Patients with Type 2 Diabetes: Outcomes Stratified by Baseline Glycated Hemoglobin and Patient Characteristics.

Robert Moses, M.D.,¹ Sanjay Kalra, M.D., D.M.,² John Monyak, Ph.D.,³ *Genevieve Wortzman-Show, Ph.D.*,³ Vicky Osborn, Pharm.D., M.S.,⁴ Helen Yeh, Ph.D.³; (1)Illawarra Diabetes Service, South East Sydney & Illawarra Area Health Service; (2)Bharti Research Institute of Diabetes and Endocrinology (BRIDE); (3)AstraZeneca; (4)Bristol-Myers Squibb

72. Effect of a Protocol-Driven Interdisciplinary Team on Inpatient Glycemic Control. *Jennifer Marquart, Pharm.D., BCPS,¹ Jonathan Schulz, Pharm.D., BCPS,¹ Megan Matak, Pharm.D., BCPS,¹ Shelley Weier, M.D.²*; (1)Pharmacy, North Memorial Medical Center, Robbinsdale, MN; (2)North Memorial Medical Center, 3300 Oakdale Avenue North, MN

73. Evaluation of Hyperglycemia in Noncritically Ill Patients Before and After Implementation of a Standardized Subcutaneous Insulin Order Set.

Kristina M. Marchese, Pharm.D., BCPS,¹ Gina M. Prescott, Pharm.D., BCPS²; (1)Erie County Medical Center Corp., Buffalo, NY; (2)State University of New York at Buffalo, Buffalo, NY

Family Medicine

74. Impact of Collaborative Shared Medical Appointments on Diabetes Outcomes in a Family Medicine Clinic.

Melody L. Hartzler, Pharm.D., AE-C,¹ Julie Williams, Psy.D., CRC, ABPP² James Schoen, D.O.,³ Kali Hollingsworth, D.O.,⁴ Thomas Dunn, D.O.,³ Douglas Anderson, Pharm.D., CACP³; (1)Cedarville University School of Pharmacy, Cedarville, OH; (2)Wright State University, School of Professional Psychology, Dayton, OH; (3)Grandview Medical Center/Community Health Centers of Greater Dayton, Dayton, OH; (4)Kettering Medical Center/Community Health Centers of Greater Dayton, Dayton, OH

75. Diabetes and Cardiovascular Risk Assessment Utilizing a Personal Health Profile in an Employer-Sponsored Family Medicine Clinic.

Holly Gurgle, Pharm.D., BCACP, CDE,¹ Carrie McAdam-Marx, RPh, Ph.D., M.S.,² Eman Biltaji, M.S., B(Pharm),² Peter Weir, M.D., MPH³; (1)Department of Pharmacotherapy, University of Utah College of Pharmacy, Salt Lake City, UT; (2)Department of Pharmacotherapy & Pharmacotherapy Outcomes Research Center, University of Utah College of Pharmacy, Salt Lake City, UT; (3)Department of Family and Preventative Medicine, University of Utah, Salt Lake City, UT

76. Comparison of Prescribing Patterns and Identification of Risks with Metoclopramide in a Family Medicine Clinic.

Justin J. Sherman, MCS, Pharm.D.; The University of Mississippi School of Pharmacy, Jackson, MS

Geriatrics

84F. The Effects of Melatonin and Trazodone on Delirium in Hospitalized Patients.

Lacey Shumate, Pharm.D.,¹ Susan Fosnight, RPh, BCPS, CGP² David DiNuoscio, M.D.,³ Rex Wilford, D.O., RPh³; (1)Department of Pharmacy, Summa Health System, Akron, OH; (2) Northeast Ohio Medical University, Rootstown, OH; (3)Department of Internal Medicine, Summa Health System, Akron, OH

Hematology/Anticoagulation

90. Anticoagulation of Thrombocytopenic Cancer Patients: Safety and Efficacy of Reduced-Dose Low-Molecular-Weight Heparin.

Larry K. Golightly, Pharm.D., BCPS,¹ Tyree H. Kiser, Pharm.D., FCCP, BCPS,² Katrina M. Babilonia, Pharm.D.,³ Toby C. Trujillo, Pharm.D., BCPS (AQ Cardiology)⁴; (1)Health Sciences Library/Center for Drug Information, Education, and Evaluation, Aurora, CO; (2)University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO; (3)University of Colorado Hospital, Aurora, CO; (4)Department of Clinical Pharmacy, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO

91F. Bleeding Outcomes in Patients Given Clopidogrel Within 5 Days of Robotic Coronary Artery Bypass Graft Procedure.

Sophia Vainrub, Pharm.D.,¹ Asad Patanwala, Pharm.D.,¹ Richard Cosgrove, Pharm.D.,² Robert Poston, M.D.,³ Paul Nolan, Pharm.D.¹; (1)Pharmacy Practice and Science, The University of Arizona; (2)Pharmacy Services, University of Arizona Medical Center; (3)Surgery, The University of Arizona

92F. Efficacy of Once-Daily Enoxaparin for the Prevention of Venous Thromboembolism in Hospitalized Obese Patients.

Carmen B. Smith, Pharm.D.,¹ Lena Maynor, Pharm.D.,² Jay L. Martello, Pharm.D., BCPS²; (1) West Virginia University Healthcare, Morgantown, WV; (2)West Virginia University School of Pharmacy, Morgantown, WV

Infectious Diseases

123F. Incidence of Vancomycin-Induced Nephrotoxicity in Hospitalized Patients With and Without Concomitant Piperacillin-Tazobactam.

Lindsey Burgess, Pharm.D., Richard Drew, Pharm.D., M.S., FCCP, BCPS; Duke University Hospital, Durham, NC

Pharmacoeconomics/Outcomes

155E. A Randomized, Controlled Pragmatic Trial of Telephonic Medication Therapy Management to Reduce Hospitalization in Home Health Patients.

Alan J. Zillich, Pharm.D.,¹ Margie E. Snyder, Pharm.D., MPH,¹ Caitlin K. Frail, Pharm.D.,¹ Julie L. Lewis, MBA,² Donny Deshote, B.S.,² Patrick Dunham, BSEE,³ Heather A. Jaynes, RN, M.S.,¹ Jason M. Sutherland, Ph.D.⁴; (1)Purdue University College of Pharmacy, Indianapolis, IN; (2) Amedisys, Inc., Baton Rouge, LA; (3)HealthStat Rx, LLC, Smyrna, GA; (4)University of British Columbia, Centre for Health Services and Policy Research, Vancouver, BC, Canada

Pulmonary

178. Assessment of the Inpatient Treatment of COPD Exacerbations and the Effect on Patient Outcomes.

Sheila Wilhelm, Pharm.D., BCPS,¹ Elisa Bahry, Pharm.D. Student,² Emily Fisher, Pharm.D.,³ Geoffrey Morgan, Pharm.D.⁴; (1)Pharmacy Practice, Wayne State University and Harper University Hospital, Detroit, MI; (2)Wayne State University, Detroit, MI; (3)Wayne State University, Detroit, MI and Spectrum Health System, Grand Rapids, MI; (4)Harper University Hospital, Detroit, MI

Transplantation/Immunology

190F. Evaluation of Alemtuzumab vs. Basiliximab Induction in Lung Transplantation.

Laura Whited, Pharm.D.,¹ Mike Latran, Pharm.D.,¹ Chadi Hage, M.D.,² Michael Duncan, M.D.,² I-wen Wang, M.D., Ph.D.,² David Roe, M.D.,² Thomas Wozniak, M.D.²; (1)Pharmacy, IU Health Methodist Hospital, Indianapolis, IN; (2)IU Health Methodist Hospital

CLINICAL PHARMACY FORUM

These abstracts describe the delivery, development, justification, or documentation of an innovative clinical pharmacy service; they may be descriptive only and need not contain an evaluative component.

Family Medicine

232. Defining Family Medicine Residency Program Directors' Utilization of and Attitudes Toward Clinical Pharmacists as Faculty Members.

Jennie Broders, Pharm.D., BCPS,¹ Jody Lounsbey, Pharm.D., BCPS,² Stephen Wilson, M.D., MPH³; (1)UPMC St. Margaret Family Medicine Residency Program, UPMC St. Margaret, Pittsburgh, PA; (2)Department of Pharmaceutical Care & Health Systems, University of Minnesota College of Pharmacy; (3)UPMC St. Margaret Family Medicine Residency Program

233E. Pharmacist Intervention to Reduce Hypoglycemia in Older Patients with Diabetes Mellitus.

Emily Hays, Pharm.D.,¹ Karen Gunning, Pharm.D.,² Carrie McAdam-Marx, RPh, Ph.D., M.S.,³ Karly Pippitt, M.D.⁴; (1)Department of Pharmacy, University of Utah Hospitals and Clinics, Salt Lake City, UT; (2)University of Utah College of Pharmacy and School of Medicine, Salt Lake City, UT; (3)Department of Pharmacotherapy & Pharmacotherapy Outcomes Research Center, University of Utah College of Pharmacy, Salt Lake City, UT; (4)University of Utah School of Medicine – Department of Family & Preventive Medicine, Salt Lake City, UT

234F. The "Clinical Pharmacy Priority (CP2) Score" to Prioritize Patients for Comprehensive Medication Review in Family Medicine.

Joseph Vande Griend, Pharm.D.,¹ Joseph Saseen, Pharm.D.,¹ Debra Bislip, M.D.,² Colleen Conry, M.D.,² Caroline Emsermann, M.S.,² Wilson Pace, M.D.²; (1)University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences; (2)University of Colorado School of Medicine

235. Developing a Pharmacy Faculty-Led Pharmacotherapy Rotation for Medical Residents at a Rural Family Medicine Residency Program.

Jaime A. Foushee, Pharm.D., BCPS, Nancy H. Goodbar, Pharm.D., BCPS; Pharmacy Practice, Presbyterian College School of Pharmacy, Clinton, SC

236E. Pharmacist-Initiated Transitions of Care Program: Effect on Hospital Readmission and Adherence to Follow-up PCP Appointments.

Amanda Wojtusik, Pharm.D.,¹ Jennie Broders, Pharm.D., BCPS²; (1)Department of Medical Education, UPMC St. Margaret, Pittsburgh, PA; (2)UPMC St. Margaret Family Medicine Residency Program, UPMC St. Margaret, Pittsburgh, PA

Hematology/Anticoagulation

242. The Incidence of Venous Thromboembolism in Overweight and Obese Adult Patients Following Administration of Standard-Dose vs. Dose-Adjusted Subcutaneous Heparin.

Jennifer Bushwitz, Pharm.D.,¹ Abigail Dee Antigua, Pharm.D.,² Joseph Schreiner, Pharm.D.,³ Karly L. Tommolino, Pharm.D.²; (1)Department of Pharmacy, University of Florida Health Shands Hospital, Gainesville, FL; (2)University of Florida Health Shands Hospital, Gainesville, FL; (3)University of Florida College of Pharmacy, Gainesville, FL

RESIDENTS AND FELLOWS RESEARCH-IN-PROGRESS

These papers describe original research by residents and fellows in therapeutics, pharmacokinetics, pharmacodynamics, pharmacoepidemiology, and pharmacogenomics in which the research effort is ongoing.

Adult Medicine

269. Factors Associated with Time in Therapeutic INR Range in Patients with Left Ventricular Assist Devices Anticoagulated with Warfarin.

Lydia Newsom, Pharm.D.,¹ Kathryn M. Momary, Pharm.D., BCPS,² Christopher Paciullo, Pharm.D.³; (1)Department of Pharmaceutical Sciences, Emory University Hospital, Atlanta, GA; (2)Mercer University College of Pharmacy and Health Sciences, Atlanta, GA; (3)Department of Pharmaceutical Services, Emory University Hospital, Atlanta, GA

Ambulatory Care

270. Development and Evaluation of Clinical Pharmacy Technician Roles in a Safety Net Organization.

Janet Cho, Pharm.D., Steven Chen, Pharm.D., FASHP, FCSHP; School of Pharmacy, University of Southern California, Los Angeles, CA

271. Implementation of a Clinical Pharmacist-Directed Hospital Discharge Service to Improve Transitions in Care.

Anita Sharma, Pharm.D., Chrystian R. Pereira, Pharm.D.; University of Minnesota College of Pharmacy, Minneapolis, MN

272. Does Pharmacist-Physician Collaboration in Medication Therapy Management (MTM) Improve Care?

Patrick Cogan, Pharm.D.,¹ Katherine Vogel Anderson, Pharm.D., BCACP,² Danielle Pierini, Pharm.D.,¹ Eric Rosenberg, M.D., MSPH, FACP³; (1)Department of Pharmacotherapy and Translational Research, University of Florida College of Pharmacy, Gainesville, FL; (2)Department of Pharmacotherapy and Translational Research, Division of General Internal Medicine, University of Florida Colleges of Pharmacy and Medicine, Gainesville, FL; (3)Division of General Internal Medicine, UF Department of Medicine, University of Florida College of Medicine, Gainesville, FL

Cardiovascular

273. Use of Video Technology to Improve Pharmacist Efficiency and Patient Comprehension of Anticoagulation Education.

Sarah Johannes Moore, Pharm.D.,¹ Elizabeth A. Blair, Pharm.D.,² David Steeb, Pharm.D.,³ Brent N. Reed, Pharm.D., BCPS,⁴ J. Heyward Hull, Pharm.D., M.S.,³ Brett Crisp, Pharm.D., M.S.,¹ Neelul Patil, Pharm.D., BCPS,¹ Jo E. Rodgers, Pharm.D., FCCP, BCPS (AQ Cardiology)⁵; (1)Department of Pharmacy, University of North Carolina Healthcare, Chapel Hill, NC; (2)Division of Pharmacotherapy and Experimental Therapeutics, Eshelman School of Pharmacy, University of North Carolina, Chapel Hill, NC; (3)University of North Carolina, Eshelman School of Pharmacy, Chapel Hill, NC; (4)Department of Pharmacy, University of North Carolina Health Care, Chapel Hill, NC; (5)Division of Pharmacotherapy and Experimental Therapeutics, Eshelman School of Pharmacy, University of North Carolina

274. Health-Related Quality of Life in Hispanic versus Non-Hispanic White Congestive Heart Failure Patients and Their Relationship to Hospital Admissions and Emergency Department Visits.

Stanley Snowden, Pharm.D.,¹ Matthew Borrego, Ph.D.,¹ Teddy Warner, Ph.D.,² James Nawarskas, Pharm.D.,¹ Joe Anderson, Pharm.D.¹; (1)College of Pharmacy, University of New Mexico, Albuquerque, NM; (2)Department of Family & Community Medicine, University of New Mexico, Albuquerque, NM

275. Time to Target Temperature: A Comparison of Two Therapeutic Hypothermia Protocols. *Jessica Chad, Pharm.D.*, Michael Bentley, Pharm.D.; Department of Pharmacy, Carilion Clinic, Roanoke, VA

276. Short-term Effects and Safety of an Accelerated Intravenous Iron Regimen in Patients with Heart Failure and Iron Deficiency. *Elizabeth A. Blair, Pharm.D.*,¹ Brent N. Reed, Pharm.D., BCPS,² Sarah B. Waters, ANP-BC,³ Carla A. Sueta, M.D., Ph.D.,⁴ Brian C. Jensen, M.D.,⁴ Kirkwood F. Adams Jr, M.D.,⁴ Jo E. Rodgers, Pharm.D., FCCP, BCPS (AQ Cardiology)¹; (1)Division of Pharmacotherapy and Experimental Therapeutics, Eshelman School of Pharmacy, University of North Carolina, Chapel Hill, NC; (2)Department of Pharmacy, University of North Carolina Health Care, Chapel Hill, NC; (3) Center for Heart and Vascular Care, University of North Carolina Health Care, Chapel Hill, NC; (4)Division of Cardiology, School of Medicine, University of North Carolina, Chapel Hill, NC

277. The Influence of β -Blocker Therapy on the Hemodynamic Response to Intravenous Inotrope in Patients with Acute Decompensated Heart Failure.

Jonathan D. Cicci, Pharm.D., BCPS,¹ Ilya Danelich, Pharm.D., BCPS,² Brent N. Reed, Pharm.D., BCPS,³ Elizabeth A. Blair, Pharm.D.,⁴ Patricia Chang, M.D., MHS, FACC,⁵ Jo E. Rodgers, Pharm.D., FCCP, BCPS (AQ Cardiology)⁶; (1)Department of Pharmacy, University of North Carolina Health Care, Chapel Hill, NC; (2)Department of Pharmacy, Mayo Clinic, Rochester, MN; (3)Department of Pharmacy, University of North Carolina Health Care, Chapel Hill, NC; (4)Division of Pharmacotherapy and Experimental Therapeutics, Eshelman School of Pharmacy, University of North Carolina, Chapel Hill, NC; (5)Department of Medicine, Division of Cardiology, University of North Carolina Health Care, Chapel Hill, NC; (6)Division of Pharmacotherapy and Experimental Therapeutics, Eshelman School of Pharmacy, University of North Carolina, Chapel Hill, NC

Community Pharmacy Practice

278. Assessing Accuracy and Impact on Clinical Decision-making of Community-Based Blood Pressure Monitoring.

Nicole Kitts, Pharm.D.,¹ Samantha Karr, Pharm.D.,² Mary Gurney, Ph.D., RPh²; (1)Department of Pharmacy Practice, Midwestern University College of Pharmacy – Glendale, Glendale, AZ; (2)Midwestern University College of Pharmacy – Glendale

Critical Care

279. Association Between Liver Disease and QTc Prolongation Following Antipsychotic Treatment in Critically Ill Patients.

J. Bradley Williams, Pharm.D., Cesar Alaniz, Pharm.D., Melissa Pleva, Pharm.D.; Department of Pharmacy, University of Michigan, Ann Arbor, MI

Geriatrics

280. Prevalence of Anticholinergic Medication Use in the Program of All-Inclusive Care for the Elderly.

Les Covington, Pharm.D.,¹ Jamie McCarrell, Pharm.D.²; (1)Pharmacy Practice, Texas Tech University Health Sciences Center School of Pharmacy, Amarillo, TX; (2)Texas Tech University Health Sciences Center School of Pharmacy, Amarillo, TX

Hematology/Anticoagulation

281. The Effects of Recombinant Activated Factor VII Dose on the Incidence of Thromboembolic Events in Patients with Coagulopathic Bleeding.

Mason Bucklin, Pharm.D., Nicole M. Acquistio, Pharm.D., Catherine Nelson, M.D., Paul Bankey, M.D.; University of Rochester Medical Center, Rochester, NY

Infectious Diseases

282. Clinical Impact of Discordant Prescribing of Fluoroquinolones and Alternative Treatments in *E. coli* Pyelonephritis.

Minh Hong, Pharm.D.; Texas Tech Health Sciences Center School of Pharmacy, Lubbock, TX

283. Risk Factors for Unfavorable Short-term Treatment Outcome in Patients with Invasive *Pseudomonas aeruginosa* Infection.

V. Paul DiMondi, Pharm.D.,¹ Mary Townsend, Pharm.D., AAHIVP;² Richard Drew, Pharm.D., M.S., FCCP, BCPS³; (1)Duke University Hospital, Durham, NC; (2)Campbell University College of Pharmacy & Health Sciences, Buies Creek, NC

Medication Safety

284. Pharmacist-Physician Collaboration in Perioperative Medication Reconciliation: The IMPROVE Clinic.

Patrick Cogan, Pharm.D.,¹ Danielle Pierini, Pharm.D.,¹ Katherine Vogel Anderson, Pharm.D., BCACP;² Eric Rosenberg, M.D., MSPH, FACP³; (1)Department of Pharmacotherapy and Translational Research, University of Florida College of Pharmacy, Gainesville, FL; (2)Department of Pharmacotherapy and Translational Research, Division of General Internal Medicine, University of Florida Colleges of Pharmacy and Medicine, Gainesville, FL; (3)Division of General Internal Medicine, UF Department of Medicine, University of Florida College of Medicine, Gainesville, FL

Nutrition

285. The Impact of Whey Protein Supplementation on Muscle Strength and Body Composition: A Systematic Review and Meta-analysis.

Darren Hein, Pharm.D., Philip Gregory, Pharm.D., FACN, Andrew Abe, Pharm.D., Amy Wilson, Pharm.D., Zara Risoldi Cochrane, Pharm.D.; School of Pharmacy and Health Professions, Creighton University, Omaha, NE

Pain Management/Analgesia

286. Effect of Clinical Pharmaceutical Care in Patients with Cancer Pain in China.

Zhengzheng Xie, M.S.,¹ Lulu Sun, B.S.²; (1)Pharmacy Department, Beijing Shijitan Hospital Capital Medical University, Beijing, China; (2)Pharmacy Department, Beijing Shijitan Hospital Capital Medical University, Beijing, China

Pharmacoeconomics/Outcomes

287. Cost-effectiveness Analysis of Alogliptin in Type 2 Diabetes Mellitus: A Payer Perspective.

Dhruv Patel, Pharm.D. Candidate, Bik-Wai Bilvick Tai, Pharm.D., Anandi Law, B(Pharm), Ph.D.; College of Pharmacy, Western University of Health Sciences, Pomona, CA

288. Management and Impact of Bleeding Events with Dabigatran, Rivaroxaban, and Warfarin.

Daniel M. Yarbinec, Pharm.D.,¹ Deanne L. Hall, Pharm.D.,² James C. Coons, Pharm.D.²; (1)

University of Pittsburgh Medical Center, Pittsburgh, PA; (2)University of Pittsburgh School of Pharmacy/University of Pittsburgh Medical Center, Pittsburgh, PA

Pharmacogenomics/Pharmacogenetics

289. Description and Feasibility of a Comprehensive Warfarin Pharmacogenetics Service. *Katarzyna Drozda, Pharm.D.,¹ Edith A. Nutescu, Pharm.D.,¹ Adam P. Bress, Pharm.D.,¹ William Galanter, M.D.,² James M. Stevenson, Pharm.D.,¹ Julio D. Duarte, Pharm.D., Ph.D.,³ Larisa H. Cavallari, Pharm.D.¹*; (1)University of Illinois at Chicago College of Pharmacy, Chicago, IL; (2)University of Illinois at Chicago, Section of General Internal Medicine, Department of Medicine, Chicago, IL; (3)University of Illinois at Chicago College of Pharmacy, Institute for Personalized Respiratory Medicine, Chicago, IL

Transplantation/Immunology

290. Impact of Thymoglobulin Dosing: Is the Current Approach Successfully Treating Acute Cellular Rejection in Kidney Allografts?

Mary Moss, Pharm.D.,¹ Robert Dupuis, Pharm.D., BCPS,² Jennifer Deyo, Pharm.D.,¹ Tomasz Kozlowski, M.D.,³ Anthony Chhay, Pharm.D.,² RuthAnn M. Lee, Pharm.D., CPP²; (1)University of North Carolina Memorial Hospital – Department of Pharmacy, Chapel Hill, NC; (2)UNC Eshelman School of Pharmacy, Chapel Hill, NC; (3)UNC School of Medicine – Department of Surgery, Chapel Hill, NC

291. What's the IMPACT? Utilization Review of 6 Months of Valganciclovir Prophylaxis for Cytomegalovirus in Transplant Patients.

Marissa Brokhof, Pharm.D., BCPS, Jillian Descourouez, Pharm.D., BCPS, Margaret Jorgenson, Pharm.D., BCPS, Kimberly Holdener, Pharm.D.; University of Wisconsin Hospital and Clinics, Madison, WI

292. Analysis of Dosing Strategies for Secondary Prophylaxis for Prevention of Cytomegalovirus (CMV) Recurrence in Solid Organ Transplantation.

Danya Roshdy, Pharm.D.,¹ Cassandra Baker, Pharm.D.,² Robert Dupuis, Pharm.D., BCPS,³ Jennifer Deyo, Pharm.D.,⁴ RuthAnn M. Lee, Pharm.D., CPP³; (1)Department of Pharmacy/School of Pharmacy, University of North Carolina Hospital, Chapel Hill, NC; (2)Department of Pharmacy/School of Pharmacy, University of North Carolina Hospital, chapel hill, NC; (3)UNC Eshelman School of Pharmacy, Chapel Hill, NC; (4)University of North Carolina Memorial Hospital – Department of Pharmacy, Chapel Hill, NC

STUDENT SUBMISSIONS

These papers describe original research by students in therapeutics, pharmacokinetics, pharmacodynamics, pharmacoconomics, pharmacoepidemiology, and pharmacogenomics in which the research effort is ongoing.

ADR/Drug Interactions

293. The Impact of Acid-Suppression Therapy on Iron Supplementation in the Pediatric Intensive Care Unit.

K. Ashley Jones, Pharm.D. Candidate 2014,¹ Allison Chung, Pharm.D., BCPS,¹ Rosa Vidal, M.D.,² Sheryl Falkos, M.D.²; (1)Department of Pharmacy Practice, Auburn University, Harrison School of Pharmacy, Mobile, AL; (2)Department of Pediatrics, University of South Alabama, College of Medicine, Mobile, AL

Adult Medicine

294. Corticosteroid Dosing and Antibiotic Selection in the Treatment of Acute Exacerbations of COPD.

Ryan Owens, Pharm.D. Candidate, Takova Wallace, Pharm.D. Candidate, *Kurt Wargo, Pharm.D.*; Auburn University Harrison School of Pharmacy, Mobile, AL

295. Assessment of a Weight-Based Vancomycin Dosing Protocol in Adult Medicine Patients. *Jessica Patanella, Pharm.D. Candidate*,¹ John Allen, Pharm.D., BCPS,² Sarah A. Treadway, Pharm.D., BCPS,² Robert Helmer, Pharm.D., BCPS,³ Seng Huot, Pharm.D. Candidate,⁴ Meredith Jernigan, Pharm.D.⁵; (1)School of Pharmacy, Auburn University Harrison School of Pharmacy, Mobile, AL; (2)Auburn University Harrison School of Pharmacy, Mobile, AL; (3)Department of Pharmacy Practice, Auburn University Harrison School of Pharmacy, Mobile, AL; (4)Auburn University Harrison School of Pharmacy; (5)University of Florida College of Pharmacy

Ambulatory Care

296. Interim Results from a Cardiologist-Pharmacist Collaboration to Improve Blood Pressure in an Ambulatory Cardiology Clinic.

Michael Kelly, B.S., Dave Dixon, Pharm.D.; Virginia Commonwealth University School of Pharmacy, Richmond, VA

297. Satisfaction and Efficacy of an Internal Proactive Smoking Cessation Telephone Counseling Service.

Jie Lin Soong, BS(Pharm),¹ Zhen Ou, B.A.,¹ Lori Wilken, Pharm.D.²; (1)College of Pharmacy, University of Illinois at Chicago, Chicago, IL; (2)College of Pharmacy, Department of Pharmacy Practice, University of Illinois at Chicago, Chicago, IL

298. Student Pharmacist Medication Reconciliation in an Outpatient Family Medicine Center. *Anthony Anderson, Pharm.D. Candidate*, Miranda R. Andrus, Pharm.D., BCPS; Auburn University Harrison School of Pharmacy, Auburn, AL

299. Beyond Gout: Review of Current and Future Uses for Colchicine.

Mollie Reidland, Pharm.D. Candidate,¹ Kristen Taylor, Pharm.D. Candidate²; (1)Southwestern Oklahoma State University College of Pharmacy, Weatherford, OK; (2)Southwestern Oklahoma State University College of Pharmacy

Cardiovascular

300. Evaluation of Dabigatran in a Community Hospital with Respect to Appropriateness of Dosing, Indication, and Safety.

Sun Min, Pharm.D. Candidate,¹ Margaret Riley, Pharm.D. Candidate 2014,² Anastasia Roberts, Pharm.D.,³ Katie Buehler, Pharm.D.,⁴ Michael Daly, Pharm.D., MSCI⁴; (1)St. Louis College of Pharmacy, St. Louis, MO; (2)Pharmacy Practice Division, St. Louis College of Pharmacy, St. Louis, MO; (3)Pharmacy Practice, St. Louis College of Pharmacy, St. Louis, MO; (4)St. Louis College of Pharmacy, St. Louis, MO

301. Safety Outcomes in High-Risk Patients Receiving Triple Therapy After Percutaneous Coronary Intervention.

Molly Kinsella, Pharm.D. Candidate, Shannon W. Finks, Pharm.D., Kelly C. Rogers, Pharm.D.; Department of Clinical Pharmacy, University of Tennessee College of Pharmacy, Memphis, TN

302. Circulating Inflammatory Potential in Patients with Coronary Artery Disease.

Heidi Cung, Pharm.D. Candidate 2015,¹ Matthew Campen, Ph.D., MSPH,¹ Mario Aragon, Ph.D. Candidate,¹ Joe Anderson, Pharm.D.,² James Nawarskas, Pharm.D.²; (1)Pharmaceutical Sciences, University of New Mexico, College of Pharmacy, Albuquerque, NM; (2)College of Pharmacy, University of New Mexico, Albuquerque, NM

Clinical Administration

303. Development of a Tool to Facilitate Achievement of Specialty Pharmacy Accreditation Standards.

Joe Moore, B.A.,¹ Lindsey Poppe, Pharm.D., M.S., BCPS,² Scott Savage, Pharm.D., M.S.³; (1) University of North Carolina Eshelman School of Pharmacy, Chapel Hill, NC; (2) Department of Pharmacy, University of North Carolina Hospitals, Chapel Hill, NC; (3) University of North Carolina Hospitals, Chapel Hill, NC

Critical Care

304F. Assessment of Adverse Events and Predictors of Neurologic Recovery of an Institution-Specific Therapeutic Hypothermia Protocol.

Jolie Gallagher, Pharm.D. Candidate,¹ Robert MacLaren, Pharm.D.,² Sara Varnado, Pharm.D., Lam Nguyen, Pharm.D., John Shin, Pharm.D.³; (1) University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences; (2) University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO

305. Predicting Response to Methylene Blue for Refractory Vasoplegia Following Cardiac Surgery.

Benjamin Hammer, Pharm.D.,¹ Edward Chen, M.D.,² Christopher Paciullo, Pharm.D.³; (1) Department of Pharmacy, University of Illinois at Chicago, Chicago, IL; (2) Division of Cardiothoracic Surgery, Department of Surgery, Emory University School of Medicine; (3) Department of Pharmaceutical Services, Emory University Hospital, Atlanta, GA

306. Prolonged Hypoglycemia Secondary to Insulin Glargine in a Septic, Critically Ill Patient Receiving Hemodialysis.

J. Cole Larsen, Pharm.D. Candidate,¹ *Leslie A. Hamilton, Pharm.D., BCPS*,² Katie J. Suda, Pharm.D., M.S.¹; (1) University of Tennessee Health Science Center, College of Pharmacy, Memphis, TN; (2) University of Tennessee Health Science Center, College of Pharmacy, Knoxville, TN

307. Assessment of a Weight-Based Vancomycin Dosing Protocol in Critically Ill Patients.

Seng Huot, Pharm.D. Candidate,¹ Meredith Jernigan, Pharm.D.,² Sarah A. Treadway, Pharm.D., BCPS,³ Robert Helmer, Pharm.D., BCPS,⁴ Jessica Patanella, Pharm.D. Candidate,⁵ John Allen, Pharm.D., BCPS³; (1) Auburn University Harrison School of Pharmacy; (2) University of Florida College of Pharmacy; (3) Auburn University Harrison School of Pharmacy, Mobile, AL; (4) Department of Pharmacy Practice, Auburn University Harrison School of Pharmacy, Mobile, AL; (5) School of Pharmacy, Auburn University Harrison School of Pharmacy, Mobile, AL

Drug Information

308. Assessment of Drug Information Resource Preferences and Curriculum Preparedness by Pharmacy Students.

Nader Nassar, B.S.,¹ Janon Khedir Al-tiae, B.S.,² Renee Papageorgiou, B.A.,³ Mallory McCullough, B.S.,⁴ Micheline Goldwire, Pharm.D., M.Sc., B.S.⁵; (1) School of Pharmacy, Regis University, Westminster, CO; (2) School of Pharmacy, Regis University, Golden, CO; (3) School of Pharmacy, Regis University, Lakewood; (4) School of Pharmacy, Regis University, Arvada, CO; (5) School of Pharmacy, Regis University, Denver, CO

309. The Use of a Mobile Application to Enhance Communication and Accessibility for Students and Faculty.

Keriann Miyashiro, Pharm.D. Candidate, B.S., Daniel Ng, Pharm.D. Candidate, B.S., Rahel Dawit, Pharm.D. Candidate, Micheline Goldwire, Pharm.D., M.Sc., B.S.; School of Pharmacy, Regis University, Denver, CO

Education/Training

310. Assessment of Student Pharmacist Experience at an Interprofessional Student-Run Free Clinic.

Kyle Turner, Pharm.D. Candidate 2014,¹ Holly Gurgle, Pharm.D., BCACP, CDE,² Angela Hardcastle, Pharm.D. Candidate 2014,¹ Eman Biltaji, M.S., B(Pharm),³ Carrie McAdam-Marx, RPh, M.S., Ph.D.³; (1)College of Pharmacy, University of Utah, Salt Lake City, UT; (2)Department of Pharmacotherapy, University of Utah College of Pharmacy, Salt Lake City, UT; (3)Department of Pharmacotherapy & Pharmacotherapy Outcomes Research Center, University of Utah College of Pharmacy, Salt Lake City, UT

311. Team-Based Learning to Prepare Students for an Emergency Contraception Counseling Exercise.

Gina M. Prescott, Pharm.D., BCPS,¹ *Lauren Stuczynski, Pharm.D. Candidate*²; (1)State University of New York at Buffalo, Buffalo, NY; (2)State University of New York at Buffalo

312. Assessment of Mentor Involvement with Pharmacy Students Pursuing Postgraduate Residency Training.

Marley Linder, Pharm.D. Candidate,¹ Drayton Hammond, Pharm.D., MBA,² Sandra Garner, Pharm.D., FCCP, BCPS,¹ P. Brandon Bookstaver, Pharm.D., BCPS (AQ-ID), AAHIVP³; (1)South Carolina College of Pharmacy – MUSC Campus; (2)University of Florida Health Jacksonville; (3)South Carolina College of Pharmacy, Columbia, SC

313. Interprofessional Education Campaign on Improving Medication Adherence.

Megan Elavasky, Pharm.D. Candidate,¹ Allen Dai, Pharm.D. Candidate,¹ Mary E. Fredrickson, Pharm.D. Candidate,¹ Michelle Poole, Pharm.D. Candidate,² Morgan Sherritt, Pharm.D. Candidate,¹ Susan Fosnight, RPh, BCPS, CGP¹; (1)Northeast Ohio Medical University, Rootstown, OH; (2)Northeast Ohio Medical University

Emergency Medicine

314. Antibiotic Stewardship in the Emergency Department: Reducing the Inappropriate Use of Piperacillin/Tazobactam.

Elaine Fosmire, Pharm.D. Candidate,¹ Sarah Norskog, Pharm.D. Candidate,¹ Kevin Kaucher, Pharm.D.,² Jeffrey Sankoff, M.D., FACEP³ Michelle Haas, M.D.⁴; (1)Acute Care Pharmacy, Denver Health Medical Center; (2)Acute Care Pharmacy/Emergency Department, Denver Health Medical Center; (3)Emergency Department, Denver Health Medical Center; (4)Division of Infectious Diseases/Department of Medicine, Denver Health Medical Center

315. Pharmacy Intern Program for Documenting Vaccinations in the Emergency Department.

Keyvan Nekouei, Pharm.D. Candidate,¹ Kevin Kaucher, Pharm.D.,² Kristi Yamasaki, Pharm.D.³; (1)Inpatient Pharmacy, Denver Health Medical Center, Denver, CO; (2)Acute Care Pharmacy/Emergency Department, Denver Health Medical Center; (3)Denver Health Medical Center

Endocrinology

316F. Pharmacodynamic Effects of Low-Dose Pioglitazone in Nondiabetic Patients with the Metabolic Syndrome.

Anh Vu, Pharm.D. Candidate,¹ Amber Beitelshees, Pharm.D., MPH,² Ronald Prigeon, M.D.,² Maha Sidhom, B.A.,¹ Brooke Bredbeck, B.S.,¹ Julie Predhomme, ANP,¹ Lisa Kosmiski, M.D.,³ Christina Aquilante, Pharm.D.¹; (1)University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO; (2)University of Maryland, Baltimore; (3)University of Colorado School of Medicine, Aurora, CO

Geriatrics

317. Student College of Clinical Pharmacy (SCCP) Provides Education Regarding Counseling of Patients with COPD for Akron Area Agency on Aging Care Managers.

Mary E. Fredrickson, Pharm.D. Candidate, Patrick J. Gallegos, Pharm.D., RPh, BCPS, Mate Soric, Pharm.D., BCPS, Susan Fosnight, RPh, BCPS, CGP, Elizabeth Legros, Pharm.D. Candidate, Aleta Smithbauer, Pharm.D. Candidate; Northeast Ohio Medical University, Rootstown, OH

Health Services Research

318. Development of Strategy and Support Plan of Hospital Pharmaceutical Care Service R&D in Korea.

Chae-Reen Jeong, B.S.,¹ Nayoung Han, M.S.,¹ Yunkyoung Song, M.S.,¹ Jeong-Hyun Yoon, Pharm.D.,² Dong Chul Suh, Ph.D.,³ Jung Mi Oh, Pharm.D.¹; (1)College of Pharmacy, Seoul National University, Seoul, South Korea; (2)College of Pharmacy, Pusan National University, Pusan, South Korea; (3)College of Pharmacy, Chung-Ang University, South Korea

Herbal/Complementary Medicine

319. A Comparative Study of the Effects of the Ethanolic Extract of the Seeds of *Leucaena leucocephala* (Leguminosae) and *Mimosa pudica* (Fabaceae) on the Hair Follicle Damage and Hair Growth Retardation of a BALB/c Mouse.

Giannina Richelle Chan, Bachelor of Science in Pharmacy Major in Clinical Pharmacy, Precious Bagazin, Bachelor of Science in Pharmacy Major in Clinical Pharmacy, Maureen Bautista, Bachelor of Science in Pharmacy Major in Clinical Pharmacy, Christine Beatrice Gison, Bachelor of Science in Pharmacy Major in Clinical Pharmacy, Joanne Fritzie Talvo, Bachelor of Science in Pharmacy Major in Clinical Pharmacy, Christian Tolentino, Bachelor of Science in Pharmacy Major in Clinical Pharmacy; Department of Pharmacy, University of Santo Tomas, Manila, Philippines

HIV/AIDS

320. Control of HIV Viremia in Indigent/Low-Income HIV-Infected Subjects.

Travis Ast, Pharm.D. Candidate 2014, R. Chris Rathbun, Pharm.D., BCPS, Michelle Liedtke, Pharm.D., BCPS, Misty Miller, Pharm.D., BCPS; Department of Clinical and Administrative Sciences, College of Pharmacy, University of Oklahoma Health Sciences Center, Oklahoma City, OK

Infectious Diseases

321F. Novel Double and Triple Antibiotic Combinations at Clinically Relevant Concentrations Against Polymyxin B-Resistant *Pseudomonas aeruginosa*.

Michael D. Bear, Pharm.D. Candidate, Amy Suen, Pharm.D. Candidate, Justin Lenhard, Pharm.D. Candidate, Zackery Bulman, Pharm.D. Candidate, Neang S. Ly, Ph.D. Candidate, Gauri Rao, Pharm.D., Patricia N. Holden, B.S., Brian T. Tsuji, Pharm.D.; University at Buffalo School of Pharmacy and Pharmaceutical Sciences, Buffalo, NY

322F. A Retrospective Evaluation of the Effectiveness of Vancomycin Continuous Infusion versus Intermittent Dosing.

Kimberly J. Won, Pharm.D. Candidate, Tyree H. Kiser, Pharm.D., FCCP, BCPS; University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO

323. Impact of Documented Antimicrobial Allergies on Prescribing Practices.

Krutika Mediwala, Pharm.D. Candidate,¹ Raychel Holtel, Pharm.D. Candidate,¹ Margaret Korn, Pharm.D. Candidate,¹ P. Brandon Bookstaver, Pharm.D., BCPS (AQ-ID), AAHIVP²; (1)South Carolina College of Pharmacy, Columbia, SC; (2)South Carolina College of Pharmacy-USC Campus, Columbia, SC

324. Vancomycin Pharmacodynamics Against Heterogeneous Vancomycin-Intermediate *Staphylococcus aureus* Bloodstream Isolates with Accessory Gene Regulator Dysfunction: Challenging the AUC/MIC Paradigm.
Amy Suen, Pharm.D. Candidate,¹ Iris Wang, Pharm.D.,¹ Tina Khadem, Pharm.D.,¹ Michael D. Bear, Pharm.D. Candidate,¹ Justin Lenhard, Pharm.D. Candidate,¹ Jack Brown, Pharm.D., M.S.,² Brian T. Tsuji, Pharm.D.;¹ (1)University at Buffalo School of Pharmacy and Pharmaceutical Sciences, Buffalo, NY; (2)Strong Hospital, University of Rochester Medical Center, NY
325. Coccidioidal Osteomyelitis: A Case Report.
Negin S. Moon, Pharm.D. Candidate,¹ ViVi T. Nguyen, Pharm.D. Candidate,¹ Kara A. Williams, Pharm.D. Candidate,¹ Chad M. VanDenBerg, Pharm.D., BCCP;¹ John P. Ouder Kirk, M.D.,² Vanthida Huang, Pharm.D., BS(Pharm);¹ (1)Department of Pharmacy Practice, Mercer University College of Pharmacy, Atlanta, GA; (2)Infectious Diseases Group of Atlanta, Atlanta, GA
326. Factors Influencing Initial Vancomycin Trough Concentrations in an Adult Inpatient Population: A Retrospective Analysis.
Emily Higdon, BSPS, Mark Kirkikis, BSPS, Zachary Brent, BSPS, Kayla R. Stover, Pharm.D., BCPS, S. Travis King, Pharm.D., BCPS; School of Pharmacy, University of Mississippi School of Pharmacy, Jackson, MS
327. Review of Aerosolized Antimicrobials for the Treatment of Hospital-Acquired and Ventilator-Associated Pneumonia.
Patricia Avalos, B.S., Fatima M. Ali, Pharm.D., BCPS; College of Pharmacy, Roosevelt University College of Pharmacy, Schaumburg, IL
328. Defining the Relationship Between Antibiotic Exposure and Virulence in Hypermutator Strains of *Pseudomonas aeruginosa*.
Zackery Bulman, Pharm.D. Candidate,¹ Michael D. Bear, Pharm.D. Candidate,¹ Justin Lenhard, Pharm.D. Candidate,¹ Amy Suen, Pharm.D. Candidate,¹ Neang S. Ly, Ph.D. Candidate,¹ Patricia N. Holden, B.S.,¹ Mark Sutton, Ph.D.,² Brian T. Tsuji, Pharm.D.;¹ (1)University at Buffalo School of Pharmacy and Pharmaceutical Sciences, Buffalo, NY; (2)University at Buffalo Department of Biochemistry, Buffalo, NY
329. Evolution of Vancomycin Resistance in *Staphylococcus aureus*: Rational Dosing Strategies to Prevent Persistence of Small Colony Variants.
Justin Lenhard, Pharm.D. Candidate, Amy Suen, Pharm.D. Candidate, Michael D. Bear, Pharm.D. Candidate, Zackery Bulman, Pharm.D. Candidate, Patricia N. Holden, B.S., Brian T. Tsuji, Pharm.D.; University at Buffalo School of Pharmacy and Pharmaceutical Sciences, Buffalo, NY
330. Septic Abortion Due to *Salmonella bacteremia*: A Case Report.
ViVi T. Nguyen, Pharm.D. Candidate,¹ Negin S. Moon, Pharm.D. Candidate,¹ Yutaka Onuki, Pharm.D.,¹ Kara A. Williams, Pharm.D. Candidate,¹ John P. Ouder Kirk, M.D.,² Rebecca S. Lee, Pharm.D.,¹ Chad M. VanDenBerg, Pharm.D., BCCP;¹ Vanthida Huang, Pharm.D., BS(Pharm);² (1) Department of Pharmacy Practice, Mercer University College of Pharmacy, Atlanta, GA; (2) Infectious Diseases Group of Atlanta, Atlanta, GA
331. Modeled Efficacy of Three Times Weekly Cefazolin Dosing in Hemodialysis Patients to Treat Infective Endocarditis.
Jacob Kesner, Pharm.D. Candidate, Renee Mercier, Pharm.D., J. Michael Yardman-Frank, B.S. Candidate, A. Mary Vilay, Pharm.D.; University of New Mexico, Albuquerque, NM
332. Exploring the Association Between Diabetes and Tuberculosis: Impact on Culture Conversion and Requirements of Drug Therapeutic Monitoring.
Nisha Patel, Pharm.D., MBA,¹ Chandni Patel, Pharm.D.,¹ Christina M. Madison, Pharm.D., BCACP;² (1)School of Pharmacy, Roseman University of Health Sciences, Henderson, NV; (2) Roseman University of Health Sciences, Henderson, NV

333. Evaluation of Vancomycin-Resistant Enterococcal Urine Isolates at a Tertiary Medical Center.

Marla D. Koch, Pharm.D. Candidate, Celeste R. Caulder, Pharm.D., Nicole Smith, Pharm.D. Candidate, P. Brandon Bookstaver, Pharm.D., BCPS (AQ-ID), AAHIVP; South Carolina College of Pharmacy-USC Campus, Columbia, SC

334. A Practical Pharmacokinetic Comparison of Three Piperacillin-Tazobactam Administration Methods.

Justin M. Miranda, B.S., Pharm.D. Candidate, Andy J. Orsa, Pharm.D. Candidate, Roy T. Hendley, Pharm.D., M.S., BCNPS; Texas Tech University Health Sciences Center School of Pharmacy, Lubbock, TX

Medication Safety

335. Comparison of the Top-10 Most Problematic Pediatric Medications Ranked by Pediatric Pharmacists and Pediatric Prescribers.

HyeJin Son, Pharm.D. Candidate, Alyssa A. Laurich, Pharm.D. Candidate, Katie D. Patterson, Pharm.D. Candidate, Ashley E. Earley, Pharm.D., Melissa M. Shipp, Pharm.D., Kelly B. Walls, Pharm.D., Forrest L. Smith, Ph.D., Kenneth M. Yates, M.S., DVM, Julie C. Kissack, Pharm.D., BCPP; Harding University College of Pharmacy, Searcy, AR

336. An Evaluation of the Impact of a Dose Calculator on the Accuracy of Gentamicin and Vancomycin Initial Doses.

Anas Hamad, M.Sc., B.Sc.,¹ Gillian Cavell, M.Sc., B.Sc.,² James Hinton, Ph.D., B.Sc.,² Paul Wade, M.Sc., B.Sc.,³ Cate Whittlesea, Ph.D., M.Sc., B.Sc.¹; (1)Institute of Pharmaceutical Science, King's College London, London, United Kingdom; (2)Pharmacy Department, King's College Hospital Foundation Trust, London, United Kingdom; (3)Pharmacy Department, Guy's and St. Thomas' NHS Foundation Trust, London, United Kingdom

337. Assess the Knowledge and Perceptions of Middle School and High School-Aged Students About Alcohol and Prescription Drug Abuse.

Jennifer A. Kelleher, B.A., Sing N. Chhay, B.S., Kowk Hung Ip, B.S., Christopher M. Devine, B.A., Helen C. Pervanas, Pharm.D.; MCPHS University, Manchester, NH

338. A Chemical Analysis of Currently Available Melatonin Products in the United States.

Hanna Savaryn, Pharm.D. Candidate, Erica Caffarini, Pharm.D. Candidate, Matthew Fete, Ph.D., Leticia Shea, Pharm.D., Robert Haight, Ph.D. Candidate; Regis University School of Pharmacy

339. Use of a Student in Evaluating Joint Commission Medication Management Standards.

Taryn Mancarella, B.S. Chemistry, B.S. Biology,¹ Rachel Mikhail, Pharm.D.²; (1)Massachusetts College of Pharmacy and Health Sciences University, MA; (2)UMass Memorial Medical Center, MA

Nephrology

340. Medication Management Services for Dialysis Patients in Brazil.

Daniele Alcantara, Pharmacy Student,¹ Katie Cardone, Pharm.D., BCACP, FNKF,² Alexander Prokopienko, Pharmacy Student,³ Amy Barton Pai, Pharm.D., B.S., FCCP, FASN, BCPS²; (1)Pharmacy, Universidade de São Paulo, Ribeirão Preto, Brazil; (2)Albany College of Pharmacy and Health Sciences, Albany, NY; (3)Pharmacy, Albany College of Pharmacy and Health Sciences

341. Changes in Serum Fibroblast Growth Factor 23 During the Use of Calcium Carbonate Concurrent with Calcitriol in Stage 3 CKD Patients.

Ga Hyeon Lee, B.S.,¹ Nayoung Han, M.S.,² Su Hyun Hong, M.S.,² Yon Su Kim, M.D., Ph.D.,³ Whan Gyun Shin, Pharm.D.,⁴ Jung Mi Oh, Pharm.D.²; (1)College of Pharmacy, Seoul National University, Seoul, South Korea; (2)College of Pharmacy, Seoul National University, Seoul,

South Korea; (3)Seoul National University Hospital, Seoul, South Korea; (4)Department of Pharmacy, Seoul National University, South Korea

Neurology

342. Fixed-Drug Eruption in an Epileptic Patient Previously Receiving Phenytoin.
Keaton Smetana, Pharm.D. Candidate,¹ Katie J. Suda, Pharm.D., M.S.,¹ *Leslie A. Hamilton, Pharm.D., BCPS*²; (1)University of Tennessee Health Science Center, College of Pharmacy, Memphis, TN; (2)University of Tennessee Health Science Center, College of Pharmacy, Knoxville, TN

Nutrition

343F. Bile Acid-Induced Apoptosis and Inflammation Are Attenuated by Omega-3 Long-Chain Polyunsaturated Fatty Acids in a Macrophage Model.
Timothy Howze, B.S., Peihong Guan, B.S., Richard A. Helms, Pharm.D., Emma M. Tillman, Pharm.D.; University of Tennessee Health Science Center, Memphis, TN

Oncology

344. Pancolitis Associated with Docetaxel-Based Chemotherapy in a Patient with Metastatic Esophageal Cancer Involving Liver Dysfunction and Neutropenia.
Nathan Cope, Pharm.D. Candidate, *Leslie A. Hamilton, Pharm.D., BCPS*, J. Aubrey Waddell, Pharm.D., BCOP, FAPhA, Debbie C. Byrd, Pharm.D., BCPS; University of Tennessee Health Science Center, College of Pharmacy, Knoxville, TN

345. Interstitial Pneumonitis from Treatment with Gemcitabine in Pancreatic Cancer.
Brolin B. Poole, Pharm.D. Student,¹ *Leslie A. Hamilton, Pharm.D., BCPS*,¹ Megan Brockman, Pharm.D., BCPS,² Debbie C. Byrd, Pharm.D., BCPS¹; (1)University of Tennessee Health Science Center, College of Pharmacy, Knoxville, TN; (2)University of Tennessee Medical Center, Knoxville, TN

346. Evaluation of Liver Dysfunction as Prognostic Factor with Survival After Yttrium-90 Radioembolization Used to Treat Liver Malignancies.
Adam Henrie, B.S., Paulina Deming, Pharm.D., Kristina Wittstrom, Ph.D.; College of Pharmacy, University of New Mexico, Albuquerque, NM

347. Characterization of Chemotherapy-Induced Nausea and Vomiting Outcomes in Patients Receiving Melphalan-Containing Conditioning Chemotherapy for Autologous Hematopoietic Stem Cell Transplant.

Lindsay Schaack, Pharm.D. Candidate,¹ Stephen M. Clark, Pharm.D.,² Amber B. Clemmons, Pharm.D., BCOP,¹ David DeRemer, Pharm.D., BCOP,¹ Vamsi Kota, M.D.,²; (1)University of Georgia College of Pharmacy; (2)Georgia Regents Medical Center

Pain Management/Analgesia

348. A Retrospective Analysis of Intravenous Acetaminophen Use in Spinal Surgery Patients.
Vie Hoefling, Pharm.D. Candidate,¹ April N. Smith, Pharm.D., BCPS²; (1)School of Pharmacy and Health Professions, Creighton University, Omaha, NE; (2)Creighton University School of Pharmacy and Health Professions, Omaha, NE

349. Impact of Postoperative Intravenous Acetaminophen on Opioid Requirements and Pain Scores Following Obstetric and Gynecologic Procedures.

Laura Stoudenmire, Pharm.D.,¹ *Lauren Willis, Ph.D.*,² Christy Norman, Pharm.D., M.S.,³; (1) University of Georgia College of Pharmacy, Georgia Regents Health System, Augusta, GA; (2) University of Georgia College of Pharmacy, Augusta, GA; (3)Georgia Regents Health System, Augusta, GA

350. A Comparative Assessment of Fentanyl Patch Prescribing Practice in a Community Hospital.

Bin Deng, Pharm.D. Candidate; School of Pharmacy, California Northstate University, College of Pharmacy, Rancho Cordova, CA

Pediatrics

351. LC-MS/MS Quantification of Buprenorphine, Norbuprenorphine, Methadone, and Glucuronide Conjugates in Human Umbilical Cord Plasma.

Amy Redmond, Pharm.D. Candidate,¹ Jason Pryor, M.D.,² Darshan Shah, M.D.,² Stacy Brown, Ph.D.³; (1)Department of Pharmaceutical Sciences, Bill Gatton College of Pharmacy at East Tennessee State University; (2)Department of Pediatrics, Quillen College of Medicine at East Tennessee State University; (3)Department of Pharmaceutical Sciences, Bill Gatton College of Pharmacy at East Tennessee State University, Johnson City, TN

352. Effectiveness of a New Age-Based Vancomycin Dosing Nomogram in the University of Colorado Hospital Neonatal Intensive Care Unit.

Michelle Ding, Pharm.D. Candidate,¹ Ashley Reilly, Pharm.D.,² Tyree H. Kiser, Pharm.D., FCCP, BCPS³; (1)School of Pharmacy, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO; (2)Neonatal Intensive Care Unit, University of Colorado Hospital, Aurora, CO; (3)University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO

Pharmacoeconomics/Outcomes

353. Cost Avoidance of Using an Automatic Therapeutic Interchange of Racemic Albuterol in Place of Levalbuterol.

Chad Weinhold, Pharm.D. Candidate 2014; School of Pharmacy, Philadelphia College of Osteopathic Medicine, Suwanee, GA

354. Reduction of Re-dispensed Medications from a Pediatric Satellite.

Tyler Vest, Pharm.D. Candidate 2016, Andrea Zuckerman, Pharm.D.; Department of Pharmacy, Cleveland Clinic, Cleveland, OH

Pharmacoepidemiology

355. Patient Satisfaction with Specialty Pharmacy Services for Hepatitis C Infection.

Meredith Manville, Pharm.D. Candidate,¹ Linda Spooner, Pharm.D., BCPS,¹ George Abraham, M.D., MPH²; (1)School of Pharmacy-Worcester/Manchester, Massachusetts College of Pharmacy and Health Sciences University, Worcester, MA; (2)Saint Vincent Hospital, Worcester, MA

356. Evaluation of Outcomes of a Pharmacist-Performed Tuberculosis Testing Initiative in New Mexico.

Brittni Gross, None,¹ Bernadette Johnson, Pharm.D.,¹ Amy Bachyrycz, Pharm.D.,¹ Diana Fortune, BSN,² Dale Tinker, B.A.,³ Sarah Babb, B.S.¹; (1)College of Pharmacy, University of New Mexico, Albuquerque, NM; (2)Tuberculosis Prevention Program, New Mexico Department of Health, Santa Fe, NM; (3)New Mexico Pharmacists Association, Albuquerque, NM

357. Family Structure Predicts Intensity of Cocaine High in 12th Graders.

Aileen Wong, Pharm.D. Candidate 2014,¹ Ajna Hamidovic, Pharm.D., M.S.²; (1)University of New Mexico College of Pharmacy; (2)Department of Pharmacy Practice and Administrative Sciences, College of Pharmacy, University of New Mexico, Albuquerque, NM

358. Comparison of Warfarin Dosing Requirements Between a Hispanic and Non-Hispanic White Population.

Melissa Polasek, Pharm.D. Candidate 2014,¹ Joe Anderson, Pharm.D.,¹ James Nawarskas, Pharm.D.,¹ Shannon Dyke, Pharm.D.²; (1)College of Pharmacy, University of New Mexico, Albuquerque, NM; (2)Anticoagulation Center, University of New Mexico Hospital, Albuquerque, NM

Pharmacokinetics/Pharmacodynamics/Drug Metabolism/Drug Delivery

359. Pharmacokinetic/Pharmacodynamic Evaluation of Once-Daily Ceftazolin Dosing in Renally Impaired Patients.

Andrea Boyce, Pharm.D. Candidate,¹ Douglas N. Fish, Pharm.D., BCPS²; (1)Skaggs School of Pharmacy and Pharmaceutical Sciences, University of Colorado Anschutz Medical Campus, Aurora, CO; (2)University of Colorado Anschutz Medical Campus, Aurora, CO

360. Minocycline and Candesartan: Potential for Interaction After Stroke.

Ami Patel, Pharm.D. Class of 2014,¹ Sahar Soliman, B.S.,² Susan C. Fagan, Pharm.D., FCCP, BCPS³; (1)University of Georgia, College of Pharmacy, Augusta, GA; (2)Program in Clinical and Experimental Therapeutics, University of Georgia College of Pharmacy, Augusta, GA; (3)University of Georgia, College of Pharmacy, Department of Clinical and Experimental Therapeutics; Georgia Regents University, Department of Medicine; and VA Medical Center, Augusta, GA

361. Simultaneous Determination of the Nucleoside Analogues Clofarabine and Fludarabine by Liquid Chromatography-Tandem Mass Spectrometry in Low-Volume Clinical Samples: Application to a Pharmacokinetic Study in Children.

Ryan Beechinor, B.S.,¹ Janel Long-Boyle, Pharm.D., Ph.D.²; (1)School of Pharmacy, University of California, San Francisco, San Francisco, CA; (2)Clinical Pharmacy, University of California, San Francisco

362. Quantitative Determination of D- and L-Enantiomers of Methylphenidate in Placenta and Fetal Brain Tissue by Liquid Chromatography-Mass Spectrometry.

Haley Trivett, B.S., Pharm.D. Candidate, Stacy Brown, Ph.D., Brooks Pond, Ph.D.; Department of Pharmaceutical Sciences, Bill Gatton College of Pharmacy at East Tennessee State University, Johnson City, TN

363. Beyond-Use Date Determination for Buprenorphine Buccal Veterinary Solution Using Validated High-Performance Liquid Chromatographic Method.

Loren Kirk, B.S., Stacy Brown, Ph.D.; Department of Pharmaceutical Sciences, Bill Gatton College of Pharmacy at East Tennessee State University, Johnson City, TN

364. Comparison of Stability Profiles of Three Generic Vancomycin HCl for Injection Products.

Loren Kirk, B.S.,¹ Stacy Brown, Ph.D.,¹ Paul Lewis, Pharm.D.²; (1)Department of Pharmaceutical Sciences, Bill Gatton College of Pharmacy at East Tennessee State University, Johnson City, TN; (2)Johnson City Medical Center, Johnson City, TN

365. An Evaluation of Twice-Daily versus Three Times Daily Tobramycin Dosing in Pediatric Cystic Fibrosis Patients Experiencing Acute Pulmonary Exacerbations.

Kristen Alspaugh, Pharm.D. Candidate 2014, Stephanie Hoge, Pharm.D. Candidate 2014, Megan Patch, Pharm.D. Candidate 2014, Kalen B. Manasco, Pharm.D., BCPS, AE-C; University of Georgia College of Pharmacy, Augusta, GA

366. Metered Dose Inhalers: Varying the Time Between Multiple Actuations Could Influence the Emitted Dose.

Julia Hautmann, Pharm.D. Candidate 2014,¹ Sebastian E. Godoy, M.S., Patricia Marshik, Pharm.D., Ramesh Chand, Ph.D., Jason McConville, Ph.D., Sanjay Krishna, Ph.D., Sanchita Krishna, Ph.D., Pavan Muttill, Ph.D.³; (1)College of Pharmacy, University of New Mexico, Albuquerque, NM; (2)Department of Pharmaceutical Sciences, University of New Mexico College of Pharmacy, Albuquerque, NM

367. Optimization of Spray Drying Parameters Using a Factorial Design for Pulmonary BCG Vaccine Against Tuberculosis.

Avni Patel, Pharm.D. Candidate 2016,¹ Dominique N. Price, Ph.D. Candidate,² Alaa Elmaoued, M.S.,³ Pavan Muttill, Ph.D.²; (1)University of New Mexico College of Pharmacy, Albuquerque, NM; (2)Department of Pharmaceutical Sciences, University of New Mexico College of Pharmacy, Albuquerque, NM; (3)College of Pharmacy, Department of Pharmaceutical Sciences, University of New Mexico College of Pharmacy, Albuquerque, NM

368. Enteric-Coating of HPC Capsules Prepared by Injection-Molding.

Elena Macchi, B.S.,¹ Lucia Zema, Ph.D.,² Andrea Gazzaniga, M.S.,¹ Linda Felton, Ph.D.³; (1)Sezione di Tecnologia e Leg. Farmaceutiche, Università degli Studi di Milano, Milano, Italy; (2) Sezione di Tecnologia e Leg. Farmaceutiche "Maria Edvige Sangalli," Dipartimento di Scienze Farmaceutiche, Università degli Studi di Milano, Milano, Italy; (3)Department of Pharmaceutical Sciences, University of New Mexico, Albuquerque, NM

369. Literature Review of Protamine Dosing Strategies for the Reversal of Heparin After Cardiopulmonary Bypass (CBP).

Andrew Orsa, Pharm.D. Candidate,¹ Justin Miranda, B.S., Pharm.D. Candidate,² Roy Hendley, Pharm.D., M.S., BCNSP³; (1)School of Pharmacy, Texas Tech University Health Sciences Center School of Pharmacy, Lubbock, TX; (2)School of Pharmacy, Texas Tech University Health Sciences Center, Lubbock, TX; (3)Lubbock Heart Hospital

370. Preformulation Development of Polymorphic Rifampicin Particles for Pulmonary Delivery.

Kai Berkenfeld, Pharmacist, Kybran Lamkin, Pharm.D. Student, Alf Lamprecht, Ph.D., Jason McConville, Ph.D.; Pharmaceutics, University of New Mexico, Albuquerque, NM

Pulmonary

371. Triciribine, a Selective Akt Inhibitor, Ameliorates Idiopathic Pulmonary Fibrosis and Pulmonary Hypertension.

Maha Abdalla, Pharm.D., Ph.D. Candidate, Alanna Pruitt, B.S., Anna Goc, Ph.D., Lakshman Segar, Ph.D., Adviye Ergul, M.D., Ph.D., Susan C. Fagan, Pharm.D., FCCP, BCPS, Somanath P.R. Shenoy, Ph.D.; University of Georgia, College of Pharmacy, Department of Clinical and Experimental Therapeutics; Georgia Regents University, Department of Medicine; and VA Medical Center, Augusta, GA

372. Effects of Smoking Cessation in Asthmatic Patients: A Systematic Review.

Giannina Richelle Chan, BS(Pharm), Precious Bagazin, BS(Pharm), Maureen Bautista, BS(Pharm), Christine Beatrice Gison, BS(Pharm); Department of Pharmacy, University of Santo Tomas, Manila, Philippines

373. Dasatinib Inhibits α -SMA Assembly in Myofibroblasts Differentiation: A Potential Role in Pulmonary Fibrosis.

Erin Gurley, Pharm.D. Candidate,¹ LeeAnn Thompson, Pharm.D. Candidate,¹ Maha Abdalla, Pharm.D., Ph.D. Candidate,² Somanath P.R. Shenoy, Ph.D.²; (1)University of Georgia, College of Pharmacy, Augusta, GA; (2)University of Georgia, College of Pharmacy, Department of Clinical and Experimental Therapeutics; Georgia Regents University, Department of Medicine; and VA Medical Center, Augusta, GA

374. Dasatinib, an Src Inhibitor, Attenuates α -SMA Synthesis: Role in Pulmonary Fibrosis. *LeeAnn Thompson, Pharm.D. Candidate*,¹ Samantha Burke, Pharm.D. Candidate,¹ Erin Gurley, Pharm.D. Candidate,¹ Robert C. Newsome, Pharm.D.,¹ Maha Abdalla, Pharm.D., Ph.D. Candidate,² Somanath P.R. Shenoy, Ph.D.²; (1)University of Georgia, College of Pharmacy, Augusta, GA; (2)University of Georgia, College of Pharmacy, Department of Clinical and Experimental Therapeutics; Georgia Regents University, Department of Medicine; and VA Medical Center, Augusta, GA

375. Conversion of Veterans Affairs Patients to Combivent Respimat: A Patient Follow-up to Evaluate Adherence, Appropriate Use, and Symptom Control.

Amy Higginson, B.S.,¹ Michelle Pfeifer, B.S.,¹ Angie Roberti, B.S.,¹ Stellar Yi, B.S., B.A.,¹ Jessina C. McGregor, Ph.D.,¹ Jane Manning, Pharm.D.,² Kristina Hinton, Pharm.D.,³ Harleen Singh, Pharm.D., BCPS¹; (1)Oregon State University/Oregon Health Science University, College of Pharmacy, Portland, OR; (2)Portland Veterans Affairs Medical Center, Portland, OR; (3)Portland Veterans Affairs Medical Center, Vancouver, WA

Substance Abuse/Toxicology

376. Buprenorphine versus Methadone in Opioid-Dependent Patients.

William Ballough, BBA, Pharm.D. Candidate, Rachel Crowe, Pharm.D. Candidate, Jennifer Elbert, Pharm.D. Candidate; School of Pharmacy, Palm Beach Atlantic University, West Palm Beach, FL

377. Effect of Prenatal Alcohol Co-exposure and Other Factors on Neonatal Abstinence Syndrome in Infants Born to Opioid-Dependent Mothers.

Christine Kreitinger, Pharm.D. Candidate 2015,¹ Hilda Gutierrez, B.S.,² Ajna Hamidovic, Pharm.D., M.S.,² Preeyaporn Sarangarm, Pharm.D.,³ Eve Wohler, RN,⁴ Emily Stephens, RN,⁵ Lawrence Leeman, M.D., MPH,⁶ Ludmila Bakhireva, M.D., Ph.D., MPH²; (1)College of Pharmacy, University of New Mexico, Albuquerque, NM; (2)Department of Pharmacy Practice and Administrative Sciences, College of Pharmacy, University of New Mexico, Albuquerque, NM; (3)Inpatient Pharmacy, University of New Mexico Hospital, Albuquerque, NM; (4)Milagro Outpatient Clinic, University of New Mexico Hospital, Albuquerque, NM; (5)Clinical and Translational Science Center, University of New Mexico Health Sciences Center, Albuquerque, NM; (6)Department of Family and Community Medicine, School of Medicine, University of New Mexico, Albuquerque, NM

Transplantation/Immunology

378. Early Experience with 3-Month Ciprofloxacin Prophylaxis for BK Infection in Renal Transplantation.

Amy Lehnert, B.S., Samir Patel, Pharm.D.; University of Houston College of Pharmacy, Houston, TX

379F. *Clostridium difficile* Following Solid Organ Transplantation.

Jennifer Miao, Pharm.D. Candidate, Jaclyn Powell, Pharm.D., Spencer Martin, Pharm.D., BCPS, Shreya Shah, Pharm.D., Keith Fester, Pharm.D., Jenna Scheffert, Pharm.D., Demetra Tsapepas, Pharm.D., BCPS; NY-Presbyterian Hospital-Columbia University Medical Center, New York, NY

380. Everolimus Maintenance Immunosuppression for Acute Rejection Following Liver Transplantation.

Fiona Cheung, Pharm.D. Candidate, Hanlin Li, Pharm.D. Candidate, Demetra Tsapepas, Pharm.D., BCPS, Spencer Martin, Pharm.D., BCPS, Jaclyn Powell, Pharm.D.; NY-Presbyterian Hospital-Columbia University Medical Center, New York, NY

381. Restless Legs Syndrome in Lung Transplant Recipients and Relationship with Immunosuppressant Medications.

Kalynn A. Rohde, Pharm.D. Candidate,¹ Zachary W. Schlei, Pharm.D. Candidate,¹ Ashley K. Weber, Pharm.D.,¹ Krista M. Katers, Pharm.D.,¹ Donald S. Hawes, RN,² Kelly L. Radford, RN,² Mary L. Francois, RN, MSN,² Mary S. Hayney, Pharm.D., MPH,¹ John M. Dopp, Pharm.D., M.S.¹; (1)University of Wisconsin School of Pharmacy, Madison, WI; (2)University of Wisconsin Hospital and Clinics, Madison, WI

382. A Retrospective Review of Fall Risk Factors in the Bone Marrow Transplant Inpatient Service.

Cory Vela, B.S.,¹ Lisa Savage, Pharm.D., BCOP, BCPS,¹ Allison Wehr, M.S.,² Ali McBride, Pharm.D., M.S., BCPS,³ Leslie Andritsos, M.D.¹; (1)The James Cancer Hospital and Solove Research Institute, The Ohio State University Wexner Medical Center, Columbus, OH; (2)Center for Biostatistics, The Ohio State University, Columbus, OH; (3)Department of Pharmacy, The University of Arizona Cancer Center, Tucson, AZ

Poster Floor Plan for Tuesday, October 15

268	267	266	264	262	261	256	255	254	244	242	
220	221E	222	223	224	226	227	228	230	231	239	240
219	202	200	198	195E	194	193	192E	191	189	188	187E
164	165	166	175	176	177	181	182	183E	184E	185	186
163E	162	160	159	147	136	134E	133E	127	126	125	124
111E	112E	113E	114	115	116	117	118E	119E	120	121E	122E
110	109	108	107	106E	105	104	85	82	80	67	66
53	54	55E	56	58	59	60	61	62	63	64	65E
52E	51	50	49	48	47	46	45	44	43	42	41
22	23E	24E	25	26	27	28	29	30	31E	33E	34
21E	20E	19	18	4	379F	343F	322F	321F	316F	304F	190F
12F	32F	158F	161F	196F	199F	225F	234F	84F	91F	92F	123F

ENTRANCE