

Scientific Poster Presentations, IV

Tuesday, October 25

Grand Ballroom

8:00 a.m. – 10:00 a.m.

MeRIT PRESENTATIONS

Participants in the 2015-16 Mentored Research Investigator Training (MeRIT) program will display posters of their completed research and participants in the 2016-17 program will present their proposed research projects. See the poster board map for the location of all MeRIT posters.

ENCORE PRESENTATIONS

Abstracts marked with an "E" are Encore Presentations. Encore Presentations have been presented elsewhere or published in abstract form before the 2016 ACCP Annual Meeting.

ORIGINAL RESEARCH

These papers describe quantitative or qualitative findings in basic, clinical, translational, dissemination/implementation, or educational research.

Adult Medicine

11. Refusal of venous thromboembolism prophylaxis and incidence of thrombosis in patients with cystic fibrosis.

Taryn S. Murray, Pharm.D., BCPS,¹ *Nicole L. Metzger, Pharm.D., BCPS*²; (1)Emory University Hospital, Atlanta, GA; (2)Department of Pharmacy Practice, Mercer University College of Pharmacy, Atlanta, GA

12. Heart rate control as a marker of beta-blocker efficacy in hospitalized heart failure patients.

Ryan E. Owens, Pharm.D., BCPS,¹ *Timothy Self, Pharm.D.*,² *Jennifer Twilla, Pharm.D., BCPS*,³ *Carolyn Cummings, Pharm.D.*,³ *Carrie S. Oliphant, Pharm.D., FCCP, BCPS-AQ Cardiology*³; (1)Department of Pharmacy, University of Tennessee Health Science Center/Methodist University Hospital, Memphis, TN; (2)College of Pharmacy, University of Tennessee Health Science Center, Memphis, TN; (3) Department of Pharmacy, Methodist University Hospital, Memphis, TN

13. Characterization of venous thromboembolism developed in an inpatient setting in adult medicine patients.

Kara Piechowski, Pharm.D.,¹ *Jon P. Wietholter, Pharm.D., BCPS*²; (1)West Virginia University Medicine, Morgantown, WV; (2)Department of Clinical Pharmacy, West Virginia University School of Pharmacy, Morgantown, WV

14. An evaluation of acyclovir dosing in obesity.

Jennifer Twilla, Pharm.D., BCPS,¹ *Joyce Broyles, Pharm.D.*,² *Alicia Sanchez, Pharm.D.*,³ *Christopher K. Finch, Pharm. D., BCPS, FCCM*⁴; (1)Department of Pharmacy, Methodist University Hospital, Memphis, TN; (2)Methodist University Hospital; (3)University of Tennessee, College of Pharmacy; (4)University of Tennessee, College of Pharmacy, Memphis, TN

15. Impact of pharmacist-led medication reconciliation and discharge counseling on 30-day all-cause hospital readmissions in high-risk patients: a single-center study.

Grace Shyh, Pharm.D.,¹ *Daniel Crossman, M.D.*,² *Magalie Bruneus, M.D.*,² *Savira Kochhar, M.S.*³; (1)Department of Pharmacy, New York-Presbyterian Hospital, New York, NY; (2)Department of Medicine, New York-Presbyterian Hospital, New York, NY; (3)Department of Medicine, Weill Cornell Medicine, New York, NY

Ambulatory Care

18. Comparison of pharmacist to physician Medicare wellness services.

Jeanna Sewell, Pharm.D.,¹ Daniel M. Riche, Pharm.D., FCCP, BCPS, CDE, ASH-CHC,² Scott Malinowski, Pharm.D.,¹ Joshua Fleming, Pharm.D., BCACP,³ Richard Jackson, M.D.³; (1)Department of Pharmacy Practice, University of Mississippi School of Pharmacy, Jackson, MS; (2)University of Mississippi School of Pharmacy, Jackson, MS; (3)Department of Medicine, University of Mississippi School of Medicine, Jackson, MS

20. A parallel-controlled study evaluating the clinical impact of an interprofessional transitions of care service in the primary care setting.

Shelley Otsuka, Pharm.D.,¹ Jennifer Smith, Pharm.D.,² Radha Patel, Pharm.D., MPH, BCACP, CPH,³ Laura Pontiggia, M.S., Ph.D.,⁴; (1)Department of Pharmacy Practice and Administration, Philadelphia College of Pharmacy, Philadelphia, PA; (2)University of the Sciences Philadelphia College of Pharmacy; (3) Department of Pharmacotherapeutics and Clinical Research, University of South Florida College of Pharmacy, Tampa, FL; (4)Misher College of Arts and Sciences, University of the Sciences, PA

21. Weight gain predictors in a Latino population with diabetes.

Marie Davies, Pharm.D., M.S.,¹ John Cheng, M.D.,²; (1)Western University of Health Sciences College of Pharmacy, Pomona, CA; (2)Harbor UCLA Family Health Center, Harbor City, CA

Cardiovascular

44. Determination of optimal diuresis targets for patients in acute decompensated heart failure.

Keith Chow, Pharm.D.,¹ Krystal Haase, Pharm.D., FCCP, BCPS,¹ Shelby Needham, Pharm.D. Candidate, Eric J. MacLaughlin, Pharm.D., FASHP, FCCP, BCPS¹; (1)Texas Tech University Health Sciences Center School of Pharmacy, Amarillo, TX

45. A comparison of the efficacy, safety, and costs of intravenous nitroprusside and nicardipine.

Elizabeth Walker, Pharm.D.,¹ Matt Jones, Pharm.D.,¹ Mark Mlynarek, RPH,¹ Kaitlin Starosta, Pharm.D.,¹ Long To, Pharm.D.²; (1)Pharmacy Department, Henry Ford Hospital, Detroit, MI; (2)Henry Ford Hospital, Detroit, MI

46. The impact of specialized clinical pharmacist counselling on medication adherence and ischemic heart disease symptoms in post-PCI patients.

Mohd Shara, Pharm.D., Ph.D.,¹ Haneen Almoqbel, B.S., M.Sc.,² Mohamad Jarrah, M.D.³; (1)Clinical Pharmacy, Jordan University of Science and Technology, Irbid, Jordan; (2)Clinical Pharmacy, Jordan University of Science and Technology, Irbid, Jordan; (3)Cardiology, Jordan University of Science and Technology, Irbid, Jordan

47. Factors associated with inadequate hypertension control in Jordan's population.

Mohd Shara, Pharm.D., Ph.D.,¹ Samar Zayadeen, M.Sc.,²; (1)Clinical Pharmacy, Jordan University of Science and Technology, Irbid, Jordan; (2)Clinical Pharmacy, Irbid, Jordan

Community Pharmacy Practice

51E. Community pharmacists' perspective toward medical prescription clarity and content in Alexandria, Egypt.

Omnia Abdelrahman, B.Sc., M.Sc.,¹ Salma Saber, B.Sc.,² Maha Abdul-Latif, BSc, BCPS, DB,³ Nessrin Elnimr, DrPH,⁴ Aida Reda, DrPH,⁵ Adel Abou Ali, Pharm.D., ScD, M.S.⁶; (1)Department of Pharmaceutics, Faculty of Pharmacy, Alexandria University, Alexandria, Egypt; (2)Oncology Department, Alexandria University, Alexandria; (3)Faculty of Pharmacy, Alexandria University, Ministry of Health, Alexandria, Egypt; (4)Department of Epidemiology, High Institute of Public Health, Alexandria University, Alexandria; (5)Department of Epidemiology, High Institute of Public Health, Alexandria University, Alexandria; (6)Clinical Pharmacy Department, Faculty of Pharmacy, King Khalid University, Abha, Saudi Arabia

Critical Care

53. Continuous infusion ketamine for analgosedation in mechanically ventilated adult critically ill patients.

*John J. Radosevich, Pharm.D., BCPS, BCCCP*¹ Christine Tafoya, Pharm.D.,² Summer Rhodes, Pharm.D. Candidate,¹ James Damilini, Pharm.D., M.S., BCPS,¹ Jeremy Feldman, M.D.,³ Asad E. Patanwala, Pharm.D.⁴; (1)St. Joseph's Hospital & Medical Center - Dignity Health, Phoenix, AZ; (2)Banner-University Medical Center, Phoenix, AZ; (3)Arizona Pulmonary Specialists, Phoenix, AZ; (4)Pharmacy Practice and Science, University of Arizona College of Pharmacy, Tucson, AZ

55. Assessment of non-compliance with bundle therapy for the treatment of sepsis on the inpatient floor.

*Paige DeLuca, Pharm.D.*¹ Shereef Ali, Pharm.D., BCPS,² Nikunj Vyas, Pharm.D.,³ Anthony Fryckberg, Pharm.D., BCPS, BCCCP⁴; (1)Pharmacy, Kennedy University Hospitals, Turnersville, NJ; (2)Pharmacy, Kennedy Health, Cherry Hill, NJ; (3)Pharmacy, Kennedy University Hospitals, Stratford, NJ; (4) Department of Pharmacy, Kennedy University Hospitals, Sewell, NJ

56. Enhanced renal clearance and impact on vancomycin trough concentration in patients with hemorrhagic stroke.

*Kathryn Marbitzer, Pharm.D.*¹ Dedrick Jordan, M.D.,² Kelly Sullivan, Pharm.D.,³ Emily Durr, Pharm.D.,⁴ Casey Olm-Shipman, M.D., M.S.,² Denise Rhoney, Pharm.D.¹; (1)Division of Practice Advancement and Clinical Education, UNC Eshelman School of Pharmacy, Chapel Hill, NC; (2)UNC School of Medicine; (3)UNC Hospitals Department of Pharmacy; (4)Department of Pharmacy, University of North Carolina Hospitals, Chapel Hill, NC

Education/Training

69E. Assessment of pharmacy student didactic and clinical preparedness surrounding LGBT and mental illness patient populations.

*Mark A. Douglass, Pharm.D.*¹ Kevin DeLeonardo, Pharm.D. Candidate,² Alyssa Long, Pharm.D. Candidate²; (1)Northeastern University Department of Pharmacy Practice/Boston Medical Center, Boston, MA; (2)School of Pharmacy, Northeastern University, Boston, MA

71E. Community education by advanced pharmacy practice experience students: increasing electronic cigarette awareness amongst teens.

*Amanda M. Morrill, Pharm.D.*¹ Cheryl Abel, Pharm.D.²; (1)Department of Pharmacy Practice, School of Pharmacy-Worcester/Manchester, MCPHS University, Manchester, NH; (2)Pharmacy Practice, Massachusetts College of Pharmacy and Health Sciences, Manchester, NH

73E. Interprofessional error disclosure training simulation for dental medicine, nursing, and pharmacy students.

*Therese Poirier, Pharm.D., MPH*¹ Katie E. Ronald, Pharm.D.,² Miranda Wilhelm, Pharm.D.,¹ Ann Popkess, Ph.D.,³ Toni Roucka, DDS, M.A.,⁴ Chris Durbin, Ph.D., J.D.³; (1)School of Pharmacy, Southern Illinois University Edwardsville, Edwardsville, IL; (2)Southern Illinois University Edwardsville School of Pharmacy, Edwardsville, IL; (3)School of Nursing, Southern Illinois University Edwardsville, Edwardsville, IL; (4)School of Dental Medicine, Southern Illinois University Edwardsville, Alton, IL

74. Healthcare provider attitudes regarding student involvement during international healthcare experiences.

*Jon P. Wietholter, Pharm.D., BCPS*¹ Beth Nardella, M.A., MFA,² Renier Coetzee, Pharm.D.³; (1) Department of Clinical Pharmacy, West Virginia University School of Pharmacy, Morgantown, WV; (2)West Virginia University, Morgantown, WV; (3)University of the Western Cape, Cape Town, South Africa

87. Pre- and post-adult medicine rotation assessment of pharmacy student learning.
Scott Wilkie, Pharm.D.; Pharmacy Department, Mission Hospital, Asheville, NC
88. Introduction of reflective learning in a cardiovascular therapeutics course.
*James D. Hoehns, Pharm.D., BCPS, FCCP*¹ Emily Beckett, Pharm.D., BCPS,² Lynn Rich, Student Pharmacist³; (1)University of Iowa College of Pharmacy and Northeast Iowa Family Practice Center, Waterloo, IA; (2)University of Iowa College of Pharmacy, Broadlawns Family Medicine Residency Program, Des Moines, IA; (3)University of Iowa College of Pharmacy
89. Comparison of critical care board certification examination domains and ASHP PGY2 critical care residency standards: a single institution's perspective.
Ann Biesboer, Pharm.D.,¹ Kristin Bialkowski, Pharm.D.,² Cathyyen Dang, Pharm.D.,² Joel Feih, Pharm.D.,² Alison Glienke, Pharm.D.,² Kim Haldeman, Pharm.D.,² Susan Horsman, Pharm.D.,² Michael Katz, Pharm.D.,² Meghann Luc, Pharm.D.,² Sarah Peppard, Pharm.D.,¹ Matthew Stanton, Pharm.D.,² Gregory Stilin, RPh,² Joseph Rinka, Pharm.D.,³ William Peppard, Pharm.D.;² (1)Concordia University Wisconsin School of Pharmacy, Mequon, WI; (2)Froedtert and the Medical College of Wisconsin; (3)Concordia University Wisconsin School of Pharmacy
90. Assessment of pharmacy students' patient care skills for sequential case scenarios with a SOAP note grading rubric and standardized patient feedback.
Justin J. Sherman, M.C.S., Pharm.D.,¹ Christa Johnson, Pharm.D.;² (1)School of Pharmacy, University of Mississippi School of Pharmacy, Jackson, MS; (2)Pharmacy Department, St. Dominic Hospital, Jackson, MS
91. Readiness for and perception of interprofessional education among second-year pharmacy students.
Anne Marie Liles, Pharm.D., BCPS,¹ Anastasia Jenkins, Pharm.D.,¹ Kim Adcock, Pharm.D.,¹ Michael Warren, Pharm.D.,¹ Emmy Parkes, M.S., RDN, CDE,² Neeli Kirkendall, MSN, RN, FNP-C,³ Eva Tatum, Ph.D., RN,³ Lesley Thweatt, MSN, RN,³ Robin Wilkerson, Ph.D., RN³; (1)University of Mississippi School of Pharmacy; (2)University of Mississippi School of Applied Sciences; (3)University of Mississippi Medical Center School of Nursing
- 92E. Assessment of pharmacy students' knowledge, attitude and perception of personalized medicine and emerging therapies curricular content.
Alex Wei, Pharm.D.,¹ Mark A. Douglass, Pharm.D.;² (1)Northeastern University; (2)Northeastern University Department of Pharmacy Practice/Boston Medical Center, Boston, MA
- 93E. Adopting transitions of care within the doctor of pharmacy curriculum.
My-Oanh Nguyen, Pharm.D. Candidate 2017,¹ David Leon, Pharm.D. Candidate,² Sara Eltaki, Pharm.D., BCPS,³ Heather Jarvis, Pharm.D.,² Marlene Calix, Pharm.D.,² William Wolowich, Pharm.D.,⁴ Devada Singh-Franco, Pharm.D., CDE¹; (1)Department of Pharmacy Practice, Nova Southeastern University College of Pharmacy, Fort Lauderdale, FL; (2)College of Pharmacy, Nova Southeastern University, Davie, FL; (3)Department of Pharmacy Practice, College of Pharmacy, Nova Southeastern University, Davie, FL; (4)Nova Southeastern University
94. Peer recognition perceived as greatest actualized benefit of the AAHIVP credential.
Milena M. McLaughlin, Pharm.D., M.Sc.,¹ Lori Gordon, Pharm.D.,² Thomas J. Kleyn, Pharm.D.,³ James Scott, Pharm.D., MEd⁴; (1)Department of Pharmacy Practice, Midwestern University Chicago College of Pharmacy, Downers Grove, IL; (2)Xavier University of Louisiana, New Orleans, LA; (3)Eskenazi Health, Indianapolis, IN; (4)Western University of Health Sciences, Pomona, CA

Emergency Medicine

103. Treatment of cellulitis in patients discharged from the emergency room: appropriateness of single versus dual antimicrobial therapy.

Henry Lederer, Pharm.D., Yelena Atlasevich, Pharm.D., Eva Sullivan, Pharm.D., Harminder Sikand, Pharm.D., FCSHP, FASHP; Department of Pharmacy, Scripps Mercy Hospital, San Diego, CA

104. Evaluation of the impact of weight estimations on anticoagulation reversal with 4-factor prothrombin complex concentrate (4F-PCC) in the emergency department.

Jennifer Vidal, Pharm.D.,¹ Gabrielle Procopio, Pharm.D.,² Brian Foley, Pharm.D.;¹(1)Hackensack University Medical Center; (2)Ernest Mario School of Pharmacy, Rutgers, State University of New Jersey, Piscataway, NJ

105. Evaluation of the efficacy and safety of nifedipine modified release tablets in the acute management of hypertensive urgency in the emergency department: a retrospective analysis.

Adham Mohamed, Pharm.D., Hani Abdelaziz, Pharm.D., Hani Hamad, M.D., Ahmed Shible, BPharm, Sara Elhoshee, BPharm, Rasha Al Anany, Pharm.D., Muayad Ahmad, M.D.; Hamad Medical Corporation, Doha, Qatar

Gastroenterology

118E. Relative bioavailability, effect of food, and swallowability of a new, age-appropriate, delayed-release mesalamine formulation in healthy volunteers.

Abhijeet Jakate, Ph.D.,¹ Brian McNamee, Ph.D.;²(1)Allergan plc, Jersey City, NJ; (2)Clinical Pharmacology, Allergan Biologics Limited, Liverpool, UK

Geriatrics

123. Haloperidol versus non-haloperidol antipsychotics for the management of delirium in an inpatient geriatric palliative care population.

Maria Felton, Pharm.D.,¹ Jennie Jarrett, Pharm.D., BCPS, MMedEd,² Richard Hoffmaster, M.D.,³ Heather Sakely, Pharm.D., BCPS,⁴ Frank D'Amico, Ph.D.,⁵ Jennifer Pruskowski, Pharm.D., BCPS, CGP, CPE;⁶(1) Department of Medical Education, UPMC St. Margaret, Pittsburgh, PA; (2)UPMC St. Margaret Family Medicine Residency Program, UPMC St. Margaret, Pittsburgh, PA; (3)Geriatric Care Center, UPMC St. Margaret; (4)Graduate Medical Education, UPMC St. Margaret; (5)UPMC St. Margaret; (6)Palliative and Supportive Institute (PSI), University of Pittsburgh Medical Center

124E. Maintaining glycemic control on Gla-300 while decreasing hypoglycemia in an aging type 2 diabetes (T2D) population: 12-month results (EDITION 2, EDITION 3).

Medha Munshi, M.D.,¹ Meenakshi Patel, M.D.,² Jason Chao, Ph.D.,³ Elena Nikonov, M.D.,⁴ Jasvinder Gill, M.D.;³(1)Joslin Diabetes Center; (2)Valley Medical Primary Care; (3)Sanofi US, Inc.; (4)Sanofi, Inc.

126. Assessment of cost of urinary tract infections in older dementia patients residing in assisted living facility.

Sheetal Dharia, Pharm.D., Ph.D.,¹ Kristy Shafer, Pharm.D.,² Sheeba Varghese-Gupta, MPharm, Ph.D.;³(1)Clinical Pharmacokinetics and Pharmacodynamics, AbbVie, North Chicago, IL; (2)Department of Pharmacotherapeutics and Clinical Research, University of South Florida College of Pharmacy, Tampa, FL; (3)Department of Pharmaceutical Sciences, University of South Florida College of Pharmacy, Tampa, FL

127. The impact of outpatient clinical decision support on high-risk medication prescribing in the elderly.

Erin Neal, Pharm.D.,¹ Shane Stenner, M.D., M.S.,² Scott Nelson, Pharm.D., M.S.,² Joseph LeGrand, Pharm.D.;²(1)Vanderbilt Health Affiliated Network, Nashville, TN; (2)Vanderbilt University Medical Center, Nashville, TN

128. Community outreach programs to enhance health knowledge in the elderly.
Sum Lam, Pharm.D.; College of Pharmacy and Health Sciences, St. John's University, Queens, NY

129. Evaluating medication discrepancies and potentially inappropriate medications in a geriatric population.

Raya Manship, Pharm.D. Candidate 2017;¹ Megan Carr, Pharm.D.,¹ Crystal Burkhardt, Pharm.D., MBA, BCPS,² Brittany Melton, Ph.D., Pharm.D.,² Deon Cox Hayley, DO²; (1)University of Kansas School of Pharmacy; (2)University of Kansas Medical Center

Hematology/Anticoagulation

143. Comparison of apixaban and rivaroxaban trough anti-Xa activity.

David Bookstaver, Pharm.D.,¹ Kimberly Sparks, Pharm.D.,¹ Brandon Pybus, Ph.D.,² Dustin Davis, M.D.³; (1)Department of Pharmacy, Eisenhower Army Medical Center, Fort Gordon, GA; (2)Department of Pathology, Eisenhower Army Medical Center, Fort Gordon, GA; (3)Department of Medicine, Eisenhower Army Medical Center, Fort Gordon, GA

144. Antifactor Xa levels compared to activated partial thromboplastin time for heparin monitoring.

James Coons, Pharm.D.,¹ Emily Whitman-Purves, M.D.,² Derek Pae, M.D.,² Jeannine DiNella, RN,² Taylor Miller, Pharm.D.,² Andrew Althouse, Ph.D.,² Mark Schmidhofer, M.D.,² Roy Smith, M.D.³; (1)University of Pittsburgh, Pittsburgh, PA; (2)UPMC, Pittsburgh, PA; (3)University of Pittsburgh School of Medicine/University of Pittsburgh Medical Center Cancer Pavilion, Pittsburgh, PA

HIV/AIDS

146E. Prevention of mother-to-child transmission (PMTCT) of HIV: evaluating delivery hospital infrastructure and provider knowledge, Atlanta, GA.

Somer Smith, Pharm.D., BCPS, AAHIVP,¹ Ann Chahroudi, M.D., Ph.D.,¹ Rana Chakraborty, M.D., Ph.D.,¹ Andres Camacho-Gonzalez, M.D.,¹ Pascale Wortley, M.D., MPH²; (1)Emory University, Department of Pediatrics, Division of Infectious Diseases, Atlanta, GA; (2)Georgia Department of Public Health

149E. Immunologic and virologic outcomes of obese and non-obese HIV-infected incarcerated adults.

Melissa E. Badowski, Pharm.D.,¹ Kristen Bunnell, Pharm.D.,² Connor Perkins, Pharm.D. Candidate,² Arwa Aldossari, Pharm.D. Candidate,² Mahesh Patel, M.D.,³ Jeremy Young, M.D., MPH³; (1)College of Pharmacy, University of Illinois at Chicago, Chicago, IL; (2)University of Illinois at Chicago, College of Pharmacy; (3)University of Illinois at Chicago, College of Medicine

Infectious Diseases

156E. Outcomes of veterans treated for hepatitis C infection with interferon-free regimens.

Marisel Segarra-Newnham, Pharm.D., MPH,¹ Timothy Church, Pharm.D.,² Gail Fox-Seaman, ARNP²; (1) Pharmacy Department, VAMC, West Palm Beach, FL; (2)VAMC

173. Effect of reduced vancomycin loading doses on vancomycin trough concentrations in critically ill and non-critically ill patients.

Anwesa Chakrabarti, Pharm.D., Alydia Snyder, Pharm.D., Jamie Hopkins, Pharm.D.; Department of Pharmacy, Jackson-Madison County General Hospital, Jackson, TN

178E. Integrating rapid pathogen identification and antimicrobial stewardship for patients with enterococcal bloodstream infections.

Yixin Chen, Pharm.D., MBA, William Musick, Pharm.D., BCPS, Katherine K. Perez, Pharm.D., BCPS; Department of Pharmacy Services, Houston Methodist Hospital, Houston, TX

181. Risk factors for *Pseudomonas aeruginosa* to guide empiric therapy for gram-negative infections. *Krutika Mediwala, Pharm.D.*,¹ W Cliff Rutter, Pharm.D.,² Donna R Burgess, RPh,¹ Craig A. Martin, Pharm.D., BCPS,³ Katie Wallace, Pharm.D.,¹ David Burgess, Pharm.D.³; (1)Department of Pharmacy, University of Kentucky HealthCare, Lexington, KY; (2)University of Kentucky College of Pharmacy, Lexington, KY; (3)Department of Pharmacy Practice and Science, University of Kentucky College of Pharmacy, Lexington, KY

183. Relative contributions of multidrug resistance transporters to azole antifungal resistance in *Candida glabrata*.

Sarah G. Whaley, Pharm.D.,¹ Qing Zhang, B.S.,¹ Kelly E. Caudle, Pharm.D., Ph.D.,² P. David Rogers, Pharm.D., Ph.D.¹; (1)University of Tennessee College of Pharmacy, Memphis, TN; (2)Department of Pharmaceutical Sciences, St. Jude Children's Research Hospital, Memphis, TN

185E. Increased incidence of *Clostridium difficile* infections with proton pump inhibitor use post-kidney transplant.

Michael Spinner, Pharm.D.,¹ *Kajal Patel, Pharm.D., BCPS*,¹ Elizabeth Neuner, Pharm.D., BCPS-AQ ID,¹ Brian Stephany, M.D.²; (1)Department of Pharmacy, Cleveland Clinic, Cleveland, OH; (2)Department of Nephrology, Cleveland Clinic, Cleveland, OH

186. Impact of a pharmacist driven microbiological culture surveillance as part of an emergency department antimicrobial stewardship service.

Eric Ocheretyaner, Pharm.D.,¹ Eris Cani, B.S., Pharm.D.,² Stanley Moy, Pharm.D., BCPS,³ Roopali Sharma, Pharm.D., BCPS-AQ ID, AAHIVP⁴; (1)Department of Pharmacy, SUNY Downstate Medical Center, Brooklyn, NY; (2)Pharmacy, SUNY Downstate Medical Center, Brooklyn, NY; (3)SUNY Downstate Medical Center, Brooklyn, NY; (4)Long Island University

188E. Assessment of phototoxicity potential of delafloxacin in healthy male and female subjects: a phase 1 study.

Laura Lawrence, B.Sc.,¹ Sue Cammarata, M.D.,² Susan Paulson, Ph.D., James Ferguson, M.D., Michael Schlosser, Ph.D.; (1)Clinical Development, Melinta Therapeutics, Inc., Lincolnshire, IL; (2)Medical Affairs, Melinta Therapeutics, Inc., Lincolnshire, IL

191. Comparison of oral antibiotic failure rates in post-Roux-en-Y gastric bypass patients versus controls.

David Roy, Pharm.D.,¹ *Kristina Thurber, Pharm.D.*,¹ Diana Langworthy, Pharm.D.,² Paul Lorentz, M.S., RN, RD,³ Manpreet Mundi, M.D.,³ Ross Dierkhising, M.S.⁴; (1)Department of Pharmacy Services, Mayo Clinic, Rochester, MN; (2)Department of Pharmaceutical Care and Health Systems, University of Minnesota College of Pharmacy, Minneapolis, MN; (3)Division of Endocrinology, Diabetes, Metabolism, and Nutrition, Mayo Clinic, Rochester, MN; (4)Division of Biomedical Statistics and Informatics, Mayo Clinic, Rochester, MN

192. Revealing novel mechanisms of fluconazole-resistance in clinical *Candida tropicalis* isolates through next-generation sequencing and heterologous-overexpression in *Candida albicans*.

Jeffrey Rybak, Pharm.D.,¹ Elizabeth Berkow, Ph.D.,¹ Qing Zhang, B.S.,¹ Michael Dickens, Ph.D.,² Nathan Wiederhold, Pharm.D.,³ Glen Palmer, Ph.D.,¹ P. David Rogers, Pharm.D., Ph.D.¹; (1)University of Tennessee College of Pharmacy, Memphis, TN; (2)High Performance Research Computing, Texas A&M University, College Station, TX; (3)Fungus Testing Laboratory, UT Health Science Center at San Antonio, San Antonio, TX

195. Utilization of T2Candida Panel for the rapid detection of *Candida* species in a large community hospital.

Hayley Kateon, Pharm.D.,¹ Adam Sawyer, Pharm.D., BCPS,² Jonathan D. Edwards, Pharm.D., BCPS-AQ ID, CGP²; (1)Pharmacy, Huntsville Hospital, Huntsville, AL; (2)Department of Pharmacy, Huntsville Hospital, Huntsville, AL

505. Evaluation of vancomycin trough concentrations in obese patients.

Tiffany Dickey, Pharm.D.,¹ Bradley Gann, Pharm.D.²; (1)College of Pharmacy, University of Arkansas for Medical Sciences, Fayetteville, AR; (2)School of Pharmacy, University of Arkansas for Medical Sciences, Fayetteville, AR

Medication Safety

196. The impact of pharmacist-led medication reconciliation in surgical ward targeting high-risk patients.

Lorraine Lok Yan Li, MPharm, MCLinPharm, Howard Ho Yeung Tsoi, BPharm, MCLinPharm; Department of Pharmacy, United Christian Hospital, Hong Kong, Hong Kong

197. Medication reconciliation error in a tertiary care hospital of Saudi Arabia. An analysis of risk factors associated with hospital admission and design of predictive model for implementation of medication reconciliation program.

Faizan Mazhar, Pharm.D., Mphil, BCPS,¹ Shahzad Akram, Pharm.D., BCPS,² Nafis Haider, BPharm, Ph.D.¹; (1)King Fahad Military Medical Complex, Dhahran, Saudi Arabia; (2)Pharmaceutical Care, King Abdulaziz Medical City, Riyadh, Saudi Arabia

199. Accuracy of hospitalized patients height and weight documentation and impact on drug dosing.

Alice Margulis, B.S. Pharmacy Studies,¹ Ronald Patrick Landayan, B.S. Pharmacy Studies,¹ Nicholas Quinn, B.S. Pharmacy Studies,¹ Alison Lew, B.S. Pharmacy Studies,¹ Michael J. Gonyeau, BPharm, Pharm.D., BCPS, FCCP²; (1)School of Pharmacy, Northeastern University, Boston, MA; (2)Northeastern University School of Pharmacy, Boston, MA

Neurology

212E. The safety of augmented visual stimulation: does repeated, extensive visual stimulation within a time-frame of one hour increase sensitivity in photosensitive patients?

Ronald Reed, BPharm, Pharm.D.,¹ Dorothee Kasteleijn-Nolst Trenite, M.D., Ph.D., MPH²; (1) Department of Pharmacy Practice, Husson University School of Pharmacy, Bangor, ME; (2)Faculty of Medicine & Psychology, University of Rome "Sapienza" II, Roma, Italy

Nutrition

213E. Severe vitamin D deficiency in critically ill patients with traumatic injuries.

Roland Dickerson, Pharm.D.,¹ Jonathan Van Cleve, Pharm.D.,² George Maish III, M.D.,³ Joseph Swanson, Pharm.D.,⁴ Gayle Minard, M.D.,³ Rex Brown, Pharm.D.⁵; (1)Department of Clinical Pharmacy, University of Tennessee Health Science Center, Memphis, TN; (2)Clinical Pharmacy, University of Tennessee College of Pharmacy; (3)Department of Surgery, University of Tennessee Health Science Center, Memphis, TN; (4)University of Tennessee; (5)University of Tennessee Health Science Center, Memphis, TN

214E. Sliding scale regular human insulin for critically ill patients receiving nutrition support.

Sarah Cogle, Pharm.D.,¹ Susan Dickey, Pharm.D.,² George Maish III, M.D.,³ Gayle Minard, M.D.,³ Martin Croce, M.D.,³ Roland Dickerson, Pharm.D.²; (1)Department of Pharmacy Practice, Auburn University Harrison School of Pharmacy, Auburn, AL; (2)Department of Clinical Pharmacy, University of Tennessee Health Science Center, Memphis, TN; (3)Department of Surgery, University of Tennessee Health Science Center, Memphis, TN

Pain Management/Analgesia

219. Opioid and benzodiazepine use in breast cancer patients before, during, and after curative chemotherapy.

Warren Yau, B.S.,¹ Eric Roeland, M.D.,² Carolyn Revta, MPH,² Amine Ale-Ali, Pharm.D.,² Joseph Ma,

*Pharm.D.*³; (1)UC San Diego, Skaggs School of Pharmacy & Pharmaceutical Sciences, La Jolla, CA; (2)UC San Diego Moores Cancer Center; (3)UC San Diego, Skaggs School of Pharmacy & Pharmaceutical Sciences

220. Clinical and demographic characteristics of patients receiving opioid therapy during pregnancy.

*Caitlin K. Frail, Pharm.D., M.S., BCACP*¹ Pamala A. Pawloski, Pharm.D.,² Rebecca C. Rossom, M.D., MSCR,² Avis J. Thomas, M.S.,² Ann M. Werner, B.S.,² Thomas E. Elliott, M.D.²; (1)Pharmaceutical Care and Health Systems, University of Minnesota College of Pharmacy, Minneapolis, MN; (2) HealthPartners Institute, Bloomington, MN

221. Comparison of multimodal, sliding scale acute pain protocols with traditional prescribing. *Jayne Pawasauskas, Pharm.D.*,¹ Christian Gill, Pharm.D. Intern,¹ Michael Facente, Pharm.D.,¹ Michelle Kelley, Pharm.D.²; (1)University of Rhode Island; (2)Kent Hospital

222. Perioperative use of single-dose intravenous versus oral acetaminophen in patients undergoing orthopedic surgery.

Krista Foley, Pharm.D.,¹ Lee Skrupky, Pharm.D., BCPS,¹ Jeff Waise, Pharm.D., MBA,¹ Todd Bruss, PA-C, ATC, CSCS,² Robert Limoni, M.D.,² Paul Luikart, M.D.,³ Barry McClain, Pharm.D., M.S.,⁴ Robert Mate, B.A., M.A.⁴; (1)Department of Inpatient Pharmacy, Aurora BayCare Medical Center, Green Bay, WI; (2)Aurora BayCare Orthopedic & Sports Medicine Center, Green Bay, WI; (3)Department of Anesthesiology, Aurora BayCare Medical Center, Green Bay, WI; (4)Aurora Health Care

223. Comparison of venlafaxine and duloxetine: measuring clinical impact of time to therapeutic dose among patients achieving therapeutic dosing for pain.

Jennifer W. Baker, Pharm.D., BCACP, BCPS, Tim Atkinson, Pharm.D., BCPS, Keslie Flynn, Pharm.D.; Veterans Affairs Tennessee Valley Healthcare System, Murfreesboro, TN

224. Impact of educating the college population about intranasal naloxone.

Nicolette Diehl, Student,¹ Jennifer Pruskowski, Pharm.D., BCPS, CGP, CPE²; (1)School of Pharmacy, University of Pittsburgh, Pittsburgh, PA; (2)Palliative and Supportive Institute (PSI), University of Pittsburgh Medical Center

Pediatrics

227E. Neonates, bugs, and lines: a look at preventing sepsis post catheter removal.

Sarah Tierney, Pharm.D.,¹ Gail Reynolds, DNP, MSN, ARNP, PNP,² Jonathan Klein, M.D.²; (1)Department of Pharmaceutical Care, University of Iowa Hospitals and Clinics, Iowa City, IA; (2)Stead Family Department of Pediatrics, University of Iowa Hospitals and Clinics, Iowa City, IA

Pharmacoeconomics/Outcomes

231. Updated cost-savings of metformin for diabetes prevention.

Nicholas Carris, Pharm.D.,¹ Branko Miladinovic, Ph.D.,² William Kelly, Pharm.D.³; (1)Pharmacotherapeutics & Clinical Research; Family Medicine, University of South Florida, Tampa, FL; (2)Division of Evidence-based Medicine, Department of Internal Medicine, University of South Florida, Tampa, FL; (3)Pharmacotherapeutics & Clinical Research, University of South Florida, Tampa, FL

232E. Satisfaction and adherence with current treatment options for dry eye disease: analysis of data from the United States National Health and Wellness Survey.

Debra A. Schaumberg, ScD, OD, MPH,¹ Ipek Özer Stillman, M.S.,² Kimberley F. Farrand, MPH,³ Moshe Fridman, Ph.D.⁴; (1)Ophthalmics, Shire, Lexington, MA; (2)Global HEOR & Epidemiology, Shire, Lexington, MA; (3)Global HEOR & Epidemiology, Shire, Wayne, PA; (4)AMF Consulting, Inc., Los Angeles, CA

233. Cost-effectiveness of a collaborative care model with pharmacist-provided medication review for hemodialysis patients.
Paik Shia Lim, Pharm.D., BCPS,¹ *Giatt Yeng Khee, Pharm.D., BCPS*,¹ Wan Chee Ong, Pharm.D., CGP, BCPS,¹ Mee Yin Melissa Chow, BPharm, BCPS,¹ Hui Lin Lina Choong, MBBS, M Med (Int Med), FAMS,² Hua Heng McVin Cheen, BScPharm (Hon), CGP, BCACP¹; (1)Department of Pharmacy, Singapore General Hospital, Singapore, Singapore; (2)Department of Renal Medicine, Singapore General Hospital, Singapore, Singapore
- 234E. Evaluation of health care costs and utilization patterns for patients with gout in Taiwan.
Yi-yun Lee, Pharm.D.,¹ Yu Ko, Ph.D.²; (1)Department of Pharmacy, Wan Fang Hospital, Taipei Medical University; (2)School of Pharmacy, College of Pharmacy, Taipei Medical University
235. Personalized antiplatelet therapy by CYP2C19 loss-of-function and gain-of-function alleles – a decision analysis.
Minghuan Jiang, B.Sc., MPhil, *Joyce You, Pharm.D., BCPS*; School of Pharmacy, Chinese University of Hong Kong, Hong Kong
236. Cost-effectiveness of point-of-care testing for influenza at community pharmacy setting in Hong Kong.
Lok-pui Tam, BPharm, *Joyce You, Pharm.D., BCPS*; School of Pharmacy, Chinese University of Hong Kong, Hong Kong
237. Cost-effectiveness of active surveillance with decolonization of carbapenem-resistant Enterobacteriaceae in intensive care unit setting of Hong Kong.
Hong-kiu Li, BPharm, *Joyce You, Pharm.D., BCPS*; School of Pharmacy, Chinese University of Hong Kong, Hong Kong

Pharmacogenomics/Pharmacogenetics

247. Identification of clinically actionable drug-drug-gene interactions that impact pharmacogenomic prescribing.
Yee Ming Lee, Pharm.D.,¹ Emanuele Agolini, Ph.D.,² Keith Danahey, M.S.,³ Patrick Yukman, B.A.,³ Brittany Borden, M.A.,¹ Edward Leung, Ph.D.,⁴ Kiang-Teck Yeo, Ph.D.,⁴ Peter O'Donnell, M.D.,⁵ Mark Ratain, M.D.⁵; (1)Center for Personalized Therapeutics, University of Chicago, Chicago, IL; (2)Center for Personalized Therapeutics, Department of Pathology, University of Chicago, Chicago, IL; (3) Center for Personalized Therapeutics, Center for Research Informatics, University of Chicago, Chicago, IL; (4)Department of Pathology, University of Chicago Medicine, Chicago, IL; (5)Center for Personalized Therapeutics, Department of Medicine, Committee on Clinical Pharmacology and Pharmacogenomics, University of Chicago Medicine, Chicago, IL
249. R-warfarin clearance and its effect on warfarin dose requirements in African Americans.
Issam Hamadeh, Pharm.D.,¹ Harumi Takahashi, Ph.D.,² Larisa H. Cavallari, Pharm.D., BCPS, FCCP³; (1)Department of Pharmacotherapy and Translational Research, Center for Pharmacogenomics, University of Florida, College of Pharmacy, Gainesville, FL; (2)Department of Biopharmaceutics, Department of Biopharmaceutics, Pharmaceutical University, Kiyose, Tokyo; (3)Department of Pharmacotherapy and Translational Research and Center for Pharmacogenomics, College of Pharmacy, University of Florida, Gainesville, FL

Pharmacokinetics/Pharmacodynamics/Drug Metabolism/Drug Delivery

256. Comparison of the pharmacokinetics of droxidopa after dosing in the fed versus fasted state and with 3-times-daily dosing in healthy elderly subjects.
Jack J. Chen, Pharm.D.,¹ L. Arthur Hewitt, Ph.D.²; (1)College of Pharmacy, Marshall B. Ketchum University, Fullerton, CA; (2)Lundbeck LLC, Deerfield, IL

257. Physiologically based pharmacokinetic modeling using SIMCYP predicts sertraline exposure in pregnant patients.

*Naveen Daryani, B.S., Pharm.D. Candidate 2017;*¹ Hari Varun Kalluri, Pharm.D.;² Rujuta Joshi, B.S.;² Steve Caritis, M.D.;³ Raman Venkataramanan, Ph.D.⁴; (1)Department of Pharmacy and Therapeutics, School of Pharmacy, University of Pittsburgh, Pittsburgh, PA; (2)Department of Pharmaceutical Sciences, School of Pharmacy, University of Pittsburgh, Pittsburgh, PA; (3)Department of OB/GYN/RS - Maternal-Fetal Medicine Division & Department of Pediatrics, Magee-Women's Hospital & Magee-Women's Research Institute, Pittsburgh, PA; (4)Department of Pathology, School of Medicine & UPMC, University of Pittsburgh/ University of Pittsburgh Medical Center, Pittsburgh, PA

258. Safety and pharmacokinetics of single and multiple doses of CD101 IV: results from two phase 1 dose-escalation studies.

*Taylor Sandison, M.D., MPH;*¹ Danielle Armas, M.D.;² Jonathan Lee, B.S.;¹ Voon Ong, Ph.D.;¹ Dirk Thye, M.D.¹; (1)Cidara Therapeutics, Inc., San Diego, CA; (2)Celerion, Tempe, AZ

259. Evaluation of cyclosporine (CsA) co-administration on brincidofovir (BCV) pharmacokinetics (PK) and safety in adult and pediatric transplant recipients.

*Mary Wire, Pharm.D.;*¹ Tim Bergsma, Ph.D.;² Marion Morrison, M.D.;¹ Tom Brundage, M.S.;¹ Nathan Teuscher, Ph.D.;² Mark Lovern, Ph.D.²; (1)Chimerix, Durham, NC; (2)Certa

260. Population pharmacokinetics of a novel antimicrobial compound following intravenous dosing in healthy subjects and patients.

*Anu Shilpa Krishnatry, Ph.D.;*¹ Mohammad Hossain, Ph.D.;² Pragathi Kotha Venkata, MEngg;² Etienne Dumont, M.D.;³ David Gardiner, M.D.³; (1)Systems Modeling and Translational Biology, GlaxoSmithKline; (2)Clinical Pharmacology Modeling and Simulation, GlaxoSmithKline; (3)Infectious Diseases Therapeutic Area Unit, GlaxoSmithKline

261E. Pharmacological basis of CD101 efficacy: exposure shape matters.

*Elizabeth A. Lakota, Pharm.D., M.S.;*¹ Christopher M. Rubino, Pharm.D., BCPS;¹ Voon Ong, Ph.D.;² Ken Bartizal, Ph.D.;² Lynn Miesel, Ph.D.;³ Sujata M. Bhavnani, Pharm.D., M.S.;¹ Paul G. Ambrose, Pharm.D., FIDSA¹; (1)Institute for Clinical Pharmacodynamics, Latham, NY; (2)Cidara Therapeutics, Inc., San Diego, CA; (3)Eurofins Panlabs, Ltd., St. Charles, MO

Psychiatry

263E. Early clinical immersion as inpatient psychiatry medication education group leaders.

*Jacqueline McLaughlin, Ph.D.;*¹ Lindsey Kennedy, Pharm.D.;² Shauna Garris, Pharm.D.;² Suzanne Harris, Pharm.D.;¹ Nicole R. Pinelli, Pharm.D., M.S., CDE;² Ashley Hillman, Pharm.D.;² Denise Honey, Pharm.D.¹; (1)Division of Practice Advancement and Clinical Education, UNC Eshelman School of Pharmacy, Chapel Hill, NC; (2)University of North Carolina Medical Center

Pulmonary

268. Impact of antibiotics on readmission rates for chronic obstructive pulmonary disease (COPD) exacerbations.

*Jason Lancaster, Pharm.D., Med.;*¹ Cyrille Cornelio, B.S.;² Jennifer Hum, B.S.;² Yestle Kim, B.S.;² Ann Phung, B.S.;² Kevin She, B.S.;² Yuxiu Lei, Ph.D.;³ Laura Hunt, Pharm.D.;¹ Elizabeth O'Gara, Pharm.D.;¹ Timothy Liesching, M.D.;³ Henri Balaguera, M.D.⁴; (1)Department of Pharmacy, Lahey Hospital & Medical Center, Burlington, MA; (2)School of Pharmacy, Northeastern University, Boston, MA; (3) Department of Pulmonology, Lahey Hospital & Medical Center, Burlington, MA; (4)Department of Hospital Medicine, Lahey Hospital & Medical Center, Burlington, MA

269. Hepatic safety of ambrisentan and tadalafil alone and in combination - an analysis of the AMBITION trial.

*Krishna Patel, Pharm.D.;*¹ Christiana Blair, M.S.;² James Tislow, Pharm.D.;³ Karen Miller, Ph.D.⁴; (1)

Medical Affairs, Gilead Sciences Inc, Foster City, CA; (2)Biostatistics, Gilead Sciences, Inc., Foster City, CA; (3)Medical Affairs, Gilead Sciences, Inc., Foster City, CA; (4)Clinical Research, Gilead Sciences, Inc., Foster City, CA

270. Evaluation of corticosteroid dose in acute exacerbation of chronic obstructive pulmonary disease (COPD).

Alice Hemenway, Pharm.D.,¹ *Alexandra Terry, Pharm.D.*;² (1)Department of Pharmacy Practice, University of Illinois at Chicago College of Pharmacy, Rockford, IL; (2)University of Illinois at Chicago College of Pharmacy, Rockford, IL

Rheumatology

271. Pharmacists' impact on dose optimisation and detection of adverse drug events in patients with rheumatoid arthritis.

Uyen V.T. Dinh, BScPharm (Hon),¹ *Archana Vasudevan, MBBS, M.D.*,² *Serene Yeow, MCLinPharm*,¹ *Ian Wee, MPharm (ClinPharm)*, *BCPS*,¹ *Elena Lee, BScPharm (Hon)*, *BCACP*;¹ (1)Department of Pharmacy, Changi General Hospital, Singapore, Singapore; (2)Division of Rheumatology, Changi General Hospital, Singapore, Singapore

272. Evaluation of current adherence to American College of Rheumatology guideline recommendations for monitoring of urate lowering therapy in U.S. veterans.

Jonathan Hughes, Pharm.D.,¹ *Candace Bryant, Pharm.D.*,² *Brent Salvig, Pharm.D.*, *BCPS*,² *Theron N. Fourakre, Pharm.D.*, *BCPS*,² *Jessica Wallace, Pharm.D.*, *BCPS*;³ (1)VA Tennessee Valley Healthcare System, Nashville, TN; (2)Department of Pharmacy Services, VA Tennessee Valley Healthcare System, Nashville, TN; (3)College of Pharmacy, Lipscomb University College of Pharmacy, Nashville, TN

Transplant/Immunology

279. Effects of genetic polymorphism in UDP-glucuronosyltransferase (UGT), multidrug resistance-protein 2 (MRP-2), and organic anion transporter (OATP) on mycophenolate-associated neutropenia in steroid-free adult kidney transplant recipients.

Tony K.L. Kiang, BScPharm, Ph.D., *ACPR*,¹ *Nilufar Partovi, Pharm.D.*,¹ *Trana Hussaini, Pharm.D.*,¹ *Rebecca Jean Shapiro, M.D.*,² *Abby Collier, Ph.D.*,³ *Mary Ensom, BSPHarm, Pharm.D.*, *FASHP, FCCP, FCSHP, FCAHS*;³ (1)Department of Pharmacy, Vancouver General Hospital, Vancouver, British Columbia, Canada; (2)Department of Nephrology, Vancouver General Hospital, Vancouver, British Columbia, Canada; (3)Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, British Columbia, Canada

283. The impact of opioid-minimization using ketorolac-based pain protocol following laparoscopic living donor nephrectomy.

Benito Valdepenas, B.S.,¹ *Amin Virani, B.S.*,¹ *Maya Campara, Pharm.D.*, *BCPS*;² (1)College of Pharmacy, University of Illinois at Chicago, Chicago, IL; (2)Department of Pharmacy Practice, University of Illinois Hospital and Health Sciences System, Chicago, IL

ADVANCES IN INTERNATIONAL CLINICAL PHARMACY PRACTICE, EDUCATION, OR TRAINING

Education/Training

292. Exploration and construction of clinical pharmacist training innovation mode in China.

Jingwen Wang Sr, Doctor,¹ *Lei Wang Jr, Doctor*,¹ *Guojiao You Jr, M.S.*,¹ *Yi Qiao Jr, Doctor*,¹ *Yin Wu Sr, Doctor*,¹ *Wei Zhang Jr, Doctor*,¹ *Yao Lu Jr, M.S.*, *Congcong Wang Jr, M.S.*,¹ *Aidong Wen Sr, Doctor*;¹ (1) Department of Pharmacy, Xijing Hospital, Fourth Military Medical University

293. The evolution of the Panama Global Health Initiative.

Radha Patel, Pharm.D., MPH, *BCACP, CPH*, *Rachel Franks, Pharm.D.*, *BCACP, CDE*, *Kristy Shaeer*,

Pharm.D., Jose Barboza, Pharm.D., CDE, Angela Hill, Pharm.D., BCPP, CPh; Department of Pharmacotherapeutics and Clinical Research, University of South Florida College of Pharmacy, Tampa, FL

294. Development and evaluation of the Diabetes, Multidisciplinary, Experiential (DIAMANTE) program for community pharmacists in Singapore: a mixed-method study.

Melanie Siaw, BScPharm, Seng Wei Ang, BScPharm, Joyce Lee, Pharm.D., BCPS, BCACP; Department of Pharmacy, Faculty of Science, National University of Singapore, Singapore

295. The first Arabian drug information center (FADIC), a new vision of clinical pharmacy education and training.

Rasha Abdelsalam Elshenawy, BCPS, MScClinPharm, Tanta University Hospitals, Egypt, Heba-t-Allah Matar Ali Matar, BCPS, MScClinPharm; Clinical Pharmacy, Tanta University Hospitals, Makkah

296. Train-the-trainer program for faculty teaching a patient-centered communication course in Turkey.

Jodie Malhotra, Pharm.D.,¹ Nese B. Aksu, Ph.D.,² Akgul Yesilada, Ph.D.,³ Deniz Baykal, B.A., M.A.,² Kari Franson, Pharm.D., Ph.D.;⁴ (1)Distance Degrees and Programs, University of Colorado Skaggs School of Pharmacy, Aurora, CO; (2)Istanbul Kemerburgaz University School of Foreign Languages; (3)Faculty of Pharmacy, Istanbul Kemerburgaz University, Bagcilar, Istanbul, Turkey; (4)Department of Clinical Pharmacy, University of Colorado Skaggs School of Pharmacy, Aurora, CO

298. Intensive workshop in Mysore, India provides clinical pharmacy preceptor training to multi-university Indian faculty.

Elizabeth Sherman, Pharm.D.,¹ Mark Decerbo, Pharm.D.,² Krishna Kumar, Ph.D., MPS,³ William Wolowich, Pharm.D.,⁴ Parthasarathi Gurumurthy, MPharm, Ph.D., PG Dip Clin Pharm (Australia),⁵ Ponnusankar Sivasankaran, MPharm, Ph.D.,⁶ Arun Kanniyappan Parthasarathy, MPharm, Ph.D.,⁶ Suresh Bhojraj, MPharm, Ph.D., DSc;⁷ (1)Department of Pharmacy Practice, Nova Southeastern University, College of Pharmacy, Fort Lauderdale, FL; (2)Roseman University of Health Sciences; (3)Howard University; (4)Nova Southeastern University; (5)JSS University; (6)JSS College of Pharmacy

299. US faculty provide infectious disease training to doctor of pharmacy students and faculty at workshops in India.

Elizabeth Sherman, Pharm.D.,¹ Miranda Nelson, Pharm.D.,² Krishna Kumar, Ph.D., MPS,³ Mark Decerbo, Pharm.D.,⁴ Ponnusankar Sivasankaran, MPharm, Ph.D.,⁵ Gopinath Chakka, MPharm, Ph.D.,⁶ Suresh Bhojraj, MPharm, Ph.D., DSc,⁷ Arun Kanniyappan Parthasarathy, MPharm, Ph.D.;⁵ (1)Department of Pharmacy Practice, Nova Southeastern University, College of Pharmacy, Fort Lauderdale, FL; (2) Southern Illinois University Edwardsville; (3)Howard University; (4)Roseman University of Health Sciences; (5)JSS College of Pharmacy; (6)Annamacharya College of Pharmacy; (7)JSS University

300. Utilization of a best clinical practices program to develop Nigerian pharmacists' clinical interventions documentation skills.

Angela O. Shogbon, Pharm.D., BCPS,¹ Pamela M. Moye, Pharm.D., BCPS, AAHIVP,¹ Kate Okpukpara, Pharm.D.,² Teresa Pounds, Pharm.D., BCNSP;² (1)Mercer University College of Pharmacy, Atlanta, GA; (2)Department of Pharmacy, Atlanta Medical Center

301. Pharmacy involvement in an interprofessional, international mission trip.

Yvonne Phan, Pharm.D.,¹ Jennifer Smith, Pharm.D.,² Shelley Otsuka, Pharm.D.,³ Thaddeus McGiness, Pharm.D.,¹ Jessica Adams, Pharm.D.,⁴ Shannon Burke, B.S.,⁵ Ryan Carney, B.S.,⁵ Oluwadamilola Oyenusi, B.S.;⁵ (1)Department of Pharmacy Practice and Administration, Philadelphia College of Pharmacy, University of the Sciences, Philadelphia, PA; (2)University of the Sciences Philadelphia College of Pharmacy; (3)Department of Pharmacy Practice and Administration, Philadelphia College of Pharmacy, Philadelphia, PA; (4)Cooper University Hospital, Camden, NJ; (5)Philadelphia College of Pharmacy, University of the Sciences, Philadelphia, PA

CASE REPORTS

Adult Medicine

466. Azathioprine and allopurinol - a deadly combination.

Bradley Wagner, Pharm.D.; Virginia Commonwealth University Health System, Richmond, VA

Emergency Medicine

472. Gabapentin toxicity and associated blood levels in emergency room patients with renal insufficiency: case reports.

James A. Damilini, Pharm.D., M.S., BCPS, John J. Radosevich, Pharm.D., BCPS, BCCCP; St. Joseph's Hospital & Medical Center - Dignity Health, Phoenix, AZ

473. Edrophonium overdose and toxicity: a case report.

James A. Damilini, Pharm.D., M.S., BCPS, John J. Radosevich, Pharm.D., BCPS, BCCCP; St. Joseph's Hospital & Medical Center - Dignity Health, Phoenix, AZ

474. Intracavernosal phenylephrine as a probable cause of hypertensive emergency and intracranial hemorrhage: case report.

Drayton Hammond, Pharm.D., MBA, BCPS, BCCCP;¹ Jorge Kamimoto, M.D.,² William Atchley, M.D., Ph.D.,² Marcia Erbland, M.D.²; (1)Department of Pharmacy Practice, University of Arkansas for Medical Sciences, Little Rock, AR; (2)University of Arkansas for Medical Sciences

Note: Poster #474 located next to MeRIT posters.

Hematology/Anticoagulation

475. A protocol for intra-arterial tirofiban administration for thromboembolic complications during neuroendovascular treatment: a case report.

Deepa Patel, Pharm.D.,¹ Mikayel Grigoryan, M.D.²; (1)School of Pharmacy, Philadelphia College of Osteopathic Medicine, Suwanee, GA; (2)Department of Interventional Neurology, WellStar Atlanta Medical Center, Atlanta, GA

Pharmacogenomics/Pharmacogenetics

481. A case report of complete warfarin resistance and clinical application of pharmacogenetic testing.

Eric Parod, Pharm.D.,¹ Dave Dixon, Pharm.D.,¹ Evan Sisson, Pharm.D., MSHA,¹ Kendra Ogbonna, Pharm.D.²; (1)Department of Pharmacotherapy and Outcomes Science, Virginia Commonwealth University School of Pharmacy, Richmond, VA; (2)Virginia Commonwealth University Health System, Richmond, VA

CLINICAL PHARMACY FORUM

Education/Training

323. Students of pharmacy and dentistry collaborate in an interprofessional predoctoral dental clinic.

Jessica L. Johnson, Pharm.D., BCPS,¹ Adrienne Mitchell, BSPHarm,¹ Sandra Andrieu, MEd, Ph.D.,² John Okogbaa, Pharm.D.,¹ Alex Ehrlich, DDS,² Francis T. Giacona, DDS,² Chet Smith, DDS²; (1)College of Pharmacy, Xavier University of Louisiana, New Orleans, LA; (2)School of Dentistry, Louisiana State University Health Sciences Center, New Orleans, LA

324. Hotspotting: students of pharmacy as system navigators for high-utilizing patients.

Jessica L. Johnson, Pharm.D., BCPS,¹ Jennifer Avegno, M.D.,² Catherine Jones, M.D.,³ Sarah Candler, M.D., MPh,³ Deborah St. Germain, DNP⁴; (1)College of Pharmacy, Xavier University of Louisiana, New Orleans, LA; (2)School of Medicine, Louisiana State University Health Sciences Center, New Orleans,

LA; (3)Tulane University School of Medicine, New Orleans, LA; (4)School of Nursing, Louisiana State University Health Sciences Center, New Orleans, LA

325. Pharmacotherapy as required rotation within a family medicine residency.

Carolyn Brackett, B.S., Pharm.D.,¹ Andrew Sitzmann, M.D.²; (1)Division of Pharmacy Practice and Science, Ohio State University College of Pharmacy, Columbus, OH; (2)Department of Family Medicine, Mount Carmel Health System, Westerville, OH

326. Development of a student-led ambulatory medication reconciliation (SLAMR) program at an academic institution.

Aimon C. Miranda, Pharm.D., BCPS, Melissa Ruble, Pharm.D., BCPS, Jaclyn Cole, Pharm.D., BCPS, Erini Serag-Bolos, Pharm.D.; Department of Pharmacotherapeutics and Clinical Research, University of South Florida, College of Pharmacy, Tampa, FL

327. The clinical training center: a layered-learning rotation model to meet hospital goals and standards of practice.

Jordan Masterson, Pharm.D., BCPS, Aubrie Rafferty, Pharm.D., BCPS, Elizabeth Michalets, Pharm.D., BCPS, FCCP; Mission Health System and UNC Eshelman School of Pharmacy, Asheville, NC

328. Development of a residency assistance program for fourth-year pharmacy students.

Leigh Gravatt, Pharm.D.; Department of Pharmacotherapy and Outcomes Sciences, Virginia Commonwealth University School of Pharmacy, Richmond, VA

Emergency Medicine

329. Emergency medicine pharmacists and board certification choices: a high-risk clinical practice at the intersection of simultaneous critical care, acute care and ambulatory care patients.

Sandy Bartlett, Ph.D., Pharm.D., BCPS, BCCCP, Erica Meehan, Pharm.D. Candidate, Gwen Bartlett, BSPHarm, Pharm.D., BCPS, BCCCP; School of Pharmacy, Husson University, Bangor, ME

HIV/AIDS

332. Description of collaboration between an interdisciplinary human immunodeficiency virus (HIV) clinic.

Thomas Chiampas, Pharm.D.,¹ Melissa E. Badowski, Pharm.D.,² Rodrigo Burgos, Pharm.D.,³ Sarah Michienzi, Pharm.D.,¹ Renata Smith, Pharm.D.¹; (1)Department of Pharmacy Practice, Section of Infectious Diseases, University of Illinois at Chicago College of Pharmacy, Chicago, IL; (2)College of Pharmacy, University of Illinois at Chicago, Chicago, IL; (3)Department of Pharmacy Practice Section of Infectious Disease Pharmacotherapy, University of Illinois at Chicago College of Pharmacy, Chicago, IL

Infectious Diseases

333. Partnership between a community hospital and academic medical center to establish a sustainable antimicrobial stewardship program.

Dan Fleischman, Pharm.D.,¹ Daniel Schenkat, Pharm.D.,² Lucas T Schulz, Pharm.D., BCPS²; (1)Monroe Clinic, Monroe, WI; (2)Department of Pharmacy, University of Wisconsin Hospital and Clinics, Madison, WI

334. An interdisciplinary team approach to hepatitis C evaluation and treatment: assessing the impact of clinical pharmacist involvement on HCV clinical practice and treatment.

Autumn D. Bagwell, Pharm.D., BCPS,¹ Cody Chastain, M.D.²; (1)Vanderbilt Specialty Pharmacy, Vanderbilt University Medical Center, Nashville; (2)Division of Infectious Diseases, Vanderbilt University Medical Center, Nashville

335. Pharmacist-directed penicillin skin testing as an antimicrobial stewardship Initiative: overview of results from a citywide approach.

*Christopher Bland, Pharm.D., BCPS, FIDSA,*¹ Bruce Jones, Pharm.D., BCPS,² Jason Lin, Pharm.D.³; (1) Clinical and Administrative Pharmacy, University of Georgia College of Pharmacy, Savannah, GA; (2) St. Joseph's/Candler Health System, Savannah, GA; (3) Memorial Health, Savannah, GA

Managed Care

336. Effects of implementing a comprehensive assessment form in the intensive care unit of a regional hospital on the performance of pharmacist rounds.

*Su-Han Hsu, B.S.,*¹ Pei-Chun Chen, M.S.,¹ Tsai-Hsuan Lei, B.S.,² Donna Shu-Han Lin, M.D.,³ Chi-Ting Tseng, M.S.,¹ Lih-Chi Chen, Doctor,⁴ Yenming J. Chen, Ph.D.⁵; (1)Department of Pharmacy, Taipei City Hospital Yangming Branch, Taipei, Taiwan, Taipei, Taiwan; (2)Department of Pharmacy, Taipei City Hospital Yangming Branch, Taipei, Taiwan., Taipei, Taiwan; (3)Doctor of Medicine, School of Medicine, National Yang Ming University, Taiwan, Department of Medical Education, Taipei Veterans General Hospital, Taipei, Taiwan, Taiwan; (4)Department of Pharmacy, Department of Pharmacy, Taipei City Hospital, Taipei, Taiwan., Taipei, Taiwan; (5)National Kaohsiung 1st University of Science &Technology

Pharmacogenomics/Pharmacogenetics

343. Implementing a multidisciplinary pharmacogenomics clinic: reporting on 1 year of experience.

*Henry M. Dunnenberger, Pharm.D.,*¹ Annette Sereika, APN,¹ Peter Hulick, M.D.²; (1)Center for Molecular Medicine, NorthShore University HealthSystem, Evanston, IL; (2)Center for Medical Genetics, NorthShore University HealthSystem, Evanston, IL

Psychiatry

344. Collaborative treatment of depression by a psychiatric pharmacist integrated within a community health center primary care clinic.

Richard Silvia, Pharm.D., BCPP; Department of Pharmacy Practice, MCPHS University, Boston, MA

SYSTEMATIC REVIEWS/META-ANALYSIS

ADR/Drug Interactions

484. Is the combination of piperacillin/tazobactam and vancomycin associated with nephrotoxicity – a meta-analysis.

*Pramodini Kale-Pradhan, Pharm.D., FCCP,*¹ Chandni Patel, B.S.,² Christopher A. Giuliano, Pharm.D.³; (1) Department of Pharmacy Practice, Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences and St. John Hospital and Medical Center, Detroit, MI; (2)Department of Pharmacy Practice, Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences, Detroit, MI; (3)Department of Pharmacy Practice, Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences and St. John Hospital and Medical Center, Detroit, MI

Ambulatory Care

485. The association between electronic cigarette use and smoking cessation in adult smokers attempting to quit: a systematic review.

Christopher Meyer, Pharm.D. Candidate; School of Pharmacy, University of California, San Francisco, San Francisco, CA

Drug Information

486. Venous thromboembolism prophylaxis in surgical and medical obese patients: a systematic review of randomized and cohort studies.

John Ericson Margallo, Pharm.D. Candidate 2017; Department of Pharmacy Services, Cedars Sinai Medical Center, Los Angeles, CA

Education/Training

487. Development of critical thinking among health professions students: an updated systematic review and meta-analysis of longitudinal studies.

*Matthew Reale, Pharm.D., BCCCP*¹ Benjamin Witt, Pharm.D., BCPS,² Daniel Riche, Pharm.D., FCCP, BCPS, CDE, ASH-CHC,³ William Baker, Pharm.D., FCCP, FACC,⁴ Michael Peeters, Pharm.D., MEd, FCCP, BCPS;⁵ (1)Mercy Medical Center, Canton, OH; (2)University of Utah Health Care, Salt Lake City, UT; (3)University of Mississippi School of Pharmacy, Jackson, MS; (4)University of Connecticut School of Pharmacy, Storrs, CT; (5)University of Toledo College of Pharmacy and Pharmaceutical Sciences, Toledo, OH

Endocrinology

488. Quality of the evidence on barriers to medication adherence in patients with diabetes mellitus: a systematic review of systematic reviews.

*Ahmed Awaisu, Ph.D.*¹ Myriam Jaam, BScPharm,² Mohamed Izham MI, Ph.D.,² Nadir Kheir, Ph.D.¹; (1)Clinical Pharmacy and Practice Section, College of Pharmacy, Qatar University, Doha, Qatar; (2) College of Pharmacy, Qatar University, Doha, Qatar

Gastroenterology

489. Doxycycline for the eradication of *Helicobacter pylori*: a meta-analysis.

*Pramodini Kale-Pradhan, Pharm.D., FCCP*¹ Reem Ismail, B.S.,² Chandni Patel, B.S.,² Sheila Wilhelm, Pharm.D., FCCP, BCPS³; (1)Department of Pharmacy Practice, Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences and St. John Hospital and Medical Center, Detroit, MI; (2)Department of Pharmacy Practice, Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences, Detroit, MI; (3)Department of Pharmacy Practice, Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences and Harper University Hospital, Detroit, MI

Women's Health

503. SSRI use in pregnancy and congenital heart defects: a meta-analysis of population-based cohort studies.

*Elizabeth Kowalik, Pharm.D. Candidate*¹ Kristina Ward, B.S., Pharm.D., BCPS,² Yizhou Ye, B.S., Ph.D. Candidate²; (1)University of Rhode Island College of Pharmacy, Kingston, RI; (2)Department of Pharmacy Practice, University of Rhode Island College of Pharmacy, Kingston, R

