

## Scientific Poster Presentations, IV

**Tuesday, October 20**

Golden Gates 2-8

8:00 a.m.–10:00 a.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 2015 Global Conference.

### AWARDS COMPETITION

Finalists for the Best Student Poster, Best Resident and Fellow Poster, and Best Paper awards will be designated by a ribbon pinned to select posters. The awards for the Best Student Poster, Best Resident and Fellow Poster, and Best Paper will be presented during the Closing Ceremony and International Awards Presentations beginning at 11:30 a.m. on Wednesday, October 21, in Continental Ballroom 5.

### ORIGINAL RESEARCH

These papers describe hypothesis-driven research findings in basic, clinical, translational, dissemination/implementation, or educational research.

#### Adult Medicine

5. Using in-hospital COPD inhaled-medication regimens as predictors for subsequent hospital admissions.  
*Daniel Longyhore, Pharm.D., BCACP<sup>1</sup>, Yang Ling Ren, Pharm.D.<sup>2</sup>, Robert Menak, Pharm.D, BCPS, CGP<sup>2</sup>;*  
(1)Department of Pharmacy Practice, Wilkes University, Wilkes-Barre, PA; (2)Department of Pharmacy, St. Luke's University Hospital, Bethlehem, PA

6. Evaluation of the safety and efficacy of a tobramycin nomogram in cystic fibrosis patients.  
*Dr. Britta Staubes, PharmD<sup>1</sup>, Dr. Nicole Metzger, PharmD<sup>2</sup>;* (1)Department of Pharmacy, Emory University Hospital, Atlanta, GA; (2)Department of Pharmacy Practice, Mercer University College of Pharmacy, Atlanta, GA

#### Cardiovascular

15. Patients' perceived educational needs about oral anticoagulant therapy : a French survey based on the W4H (What, Who, Where, When, How) questionnaire.  
*Dr. Diane de Terline, PharmD<sup>1</sup>, Dr. Gilles Hejblum, PhD<sup>2</sup>, Prof. Christine Fernandez, PharmD, PhD<sup>3</sup>, Prof. Ariel Cohen, MD, PhD<sup>4</sup>, Dr. Marie Antignac, PharmD, PhD<sup>1</sup>;* (1)Pharmacy Department, Hôpital Saint-Antoine, AP-HP, Paris, France; (2)UMR\_S 1136, Institut Pierre Louis d'Epidémiologie et de Santé Publique, INSERM, Paris, France; (3)Pharmacy Faculty, Univ Paris-Sud, Chatenay-Malabry, France; (4)Cardiology Department, Hôpital Saint Antoine, AP-HP, Paris, France

16. Integrated home INR monitoring may improve outcomes in mechanical circulatory support recipients.  
*Dr. Christina Doligalski, PharmD, BCPS<sup>1</sup>, Dr. Alex Lopilato, PharmD<sup>1</sup>, Lori Anderson, RN<sup>2</sup>, Christiano Caldeira, MD<sup>3</sup>;* (1)Department of Pharmacy, Tampa General Hospital, Tampa, FL; (2)Tampa General Hospital, Tampa, FL; (3)FACT Surgery, Tampa, FL

17. Evaluating the potential effect of melatonin on the post cardiac surgery sleep disorder.  
*Dr. Azita H. Talasaz, Pharm D, BCPS, Dr. Mehrnoush Dianatkah, Pharm D, Prof. Padideh Ghaeli, Pharm D;* Department of Clinical Pharmacy, Tehran Heart Center, Tehran University of Medical Sciences

22. Nuisance bleeding assessment in community dwelling patients taking clopidogrel.  
*Kathryn M. Momary, PharmD, BCPS<sup>1</sup>, Dr. Laura P. Kimble, Ph.D., RN, FNP-C<sup>2</sup>;* (1)Department of Pharmacy Practice, Mercer University College of Pharmacy, Atlanta, GA; (2)Georgia Baptist College of Nursing of Mercer University, Atlanta, GA

#### Critical Care

27. Does the type of your parenteral lipids matter? a clinical answer in critical illness.

Mr. Jean-Christophe Devaud, PharmD<sup>1</sup>, Prof. Mette M Berger, MD<sup>2</sup>, Prof. Andre Pannatier, PhD<sup>1</sup>, Prof. Farshid Sadeghipour, PhD<sup>1</sup>, *Dr. Pierre Voirol, PhD<sup>1</sup>*; (1)Service of Pharmacy, Lausanne University Hospital (CHUV), Lausanne, Switzerland; (2)Service of Adult Intensive Care and Burns, Lausanne University Hospital (CHUV), Lausanne, Switzerland

## Education/Training

32. Evaluation of a Mock Interview Session on Residency Interviewing Skills.

*Kelsey Buckley, Pharm.D., BCACP<sup>1</sup>*, Samantha Karr, Pharm.D., FCCP, BCPS, BCACP, BC-ADM<sup>1</sup>, Kristi Kelley, Pharm.D., FCCP, BCPS, CDE, BC-ADM<sup>2</sup>, Sarah A. Nisly, Pharm.D., BCPS<sup>3</sup>; (1)Midwestern University College of Pharmacy-Glendale, Glendale, AZ; (2)Auburn University, Harrison School of Pharmacy, Birmingham, AL; (3)Butler University College of Pharmacy and Health Sciences & Indiana University Health, Indianapolis, IN

33. Facetime Faceoff: Evaluation of Video Conferencing as a Novel Pre-Interview Screen for a PGY-1 Pharmacy Residency.

*Dr. Mary Staicu, Pharm.D., Dr. Christine A. Hamby, Pharm.D.*, Dr. Maura Wychowski, Pharm.D., BCPS, Dr. Bob Reiss, Pharm.D., MPA; Department of Pharmacy, Rochester General Hospital, Rochester, NY

35. Pharmacy student perceptions of Socratic questioning in a women's health elective.

*Dr. Erin Raney, Pharm.D.*; Department of Pharmacy Practice, Midwestern University College of Pharmacy-Glendale, Glendale, AZ

40. Pharmacy residency school-wide match rates and modifiable predictors.

*Katherine Smith, Pharm.D., BCPS<sup>1</sup>*, Alana Whittaker, Pharm.D., BCPS<sup>2</sup>, Heather Reddemann, Pharm.D. Candidate<sup>3</sup>; (1)Roseman University of Health Sciences College of Pharmacy, South Jordan, UT; (2)College of Pharmacy, Roseman University of Health Sciences, Henderson, NV; (3)College of Pharmacy, Roseman University of Health Sciences, South Jordan, UT

42. Implementation and Outcomes from an Interprofessional Simulated Patient Care Experience on End-of-Life Care and Attitudes toward Death.

*Drayton Hammond, Pharm.D., MBA, BCPS<sup>1</sup>*, Catherine Renna, Pharm.D. candidate<sup>2</sup>, Ashley Wilson, Pharm.D., BCPS<sup>1</sup>, Jacob Painter, Pharm.D., Ph.D., MBA<sup>3</sup>, Kendrea Jones, Pharm.D., BCPS<sup>1</sup>; (1)Department of Pharmacy Practice, University of Arkansas for Medical Sciences, Little Rock, AR; (2)University of Arkansas for Medical Sciences, Little Rock, AR; (3)Division of Pharmaceutical Evaluation and Policy, University of Arkansas for Medical Sciences, Little Rock, AR

43. Team-based chronic disease management: An interprofessional experience in diabetes for pharmacy and medicine students.

*Dr. Michele Pisano, PharmD, CGP<sup>1</sup>*, Dr. Nissa Mazzola, PharmD, CDE<sup>1</sup>, Dr. Lauren Block, MD, MPH<sup>2</sup>, Dr. Danielle Ezzo, PharmD, BCPS<sup>1</sup>, Dr. Celia Lu, PharmD, BCACP<sup>1</sup>; (1)Department of Clinical Health Professions, St. John's University College of Pharmacy and Health Sciences, Queens, NY; (2)Hofstra North Shore-LIJ School of Medicine, Hempstead, NY

## Hematology/Anticoagulation

62E. Consequences of treating false positive heparin-induced thrombocytopenia.

*Carrie S. Oliphant, Pharm.D., BCPS-AQ Cardiology<sup>1</sup>*, Jacob Marler, PharmD<sup>2</sup>, Jessica Unzaga, Pharm.D., BCPS<sup>3</sup>, Sundae Stelts, Pharm.D., BCOP<sup>4</sup>; (1)Department of Pharmacy, Methodist University Hospital, Memphis, TN; (2)Methodist University Hospital, Memphis, TN; (3)Memorial Cancer Institute, Hollywood, FL; (4)Roper St. Francis Health System

66. Evaluation of the Safety and Tolerability of Target Specific ORAL Anticoagulants at a Large University Setting.

*Toby Trujillo, Pharm.D.<sup>1</sup>*, Dr. Gina Woodhouse, Pharm.D.<sup>2</sup>, Renjbar Zebari, PharmD candidate<sup>3</sup>, Dr. Kathy Hassell, MD<sup>2</sup>, Dr. Patrick Klem, Pharm.D.<sup>4</sup>; (1)Clinical Pharmacy, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO; (2)University of Colorado Hospital, Aurora, CO; (3)University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO; (4)Pharmacy, University of Colorado Hospital, Aurora, CO

67. Retrospective evaluation to determine the use of unfractionated heparin for the treatment of venous thromboembolism in patients otherwise considered candidates for low molecular weight heparin.

*Dr. Morgan Trepte, PharmD<sup>1</sup>, Dr. Lori Hornsby, PharmD<sup>2</sup>*; (1)Department of Pharmacy, University of North Carolina Hospitals, Chapel Hill, NC; (2)Department of Pharmacy Practice, Auburn University Harrison School of Pharmacy/Midtown Medical Center, Auburn, AL

68. Predictors of extreme INR values in patients with left ventricular assist devices anticoagulated with warfarin.  
*Lydia Newsom, PharmD, BCPS<sup>1</sup>, Kathryn M. Momary, PharmD, BCPS<sup>1</sup>, Michael Moranville, PharmD, BCPS (AQ Cardiology)<sup>2</sup>, Christopher Paciullo, PharmD, BCPS, FCCM<sup>3</sup>*; (1)Department of Pharmacy Practice, Mercer University College of Pharmacy, Atlanta, GA; (2)The Johns Hopkins Hospital, Baltimore, MD; (3)Emory University Hospital, Atlanta, GA

## **Nephrology**

90E. Evaluation of Antibiotic Dosing in Patients Receiving Sustained Low-Efficiency Dialysis.  
*Leigh Anne Keough, PharmD<sup>1</sup>, Joanna Q. Hudson, Pharm.D., BCPS, FASN, FCCP, FNKF<sup>2</sup>*, Beth Segars, PharmD<sup>1</sup>, Amy Krauss, PharmD, BCPS<sup>1</sup>; (1)Department of Pharmacy, Methodist University Hospital, Memphis, TN; (2)Department of Clinical Pharmacy, The University of Tennessee College of Pharmacy, Memphis, TN

## **Neurology**

93. Systematic Literature Review of AbobotulinumtoxinA in Clinical Trials for Lower Limb Spasticity.  
*Jack J. Chen, PharmD<sup>1</sup>, Khashayar Dashtipour, MD, PhD<sup>2</sup>, Heather Walker, MD<sup>3</sup>, Michael Y. Lee, MD<sup>3</sup>*; (1)College of Pharmacy, Marshall B. Kethcum University, Fullerton, CA; (2)Loma Linda University, Loma Linda, CA; (3)University of North Carolina, NC

94. Dose Conversion between AbobotulinumtoxinA and OnabotulinumtoxinA: a Systematic Literature Review.  
*Jack J. Chen, PharmD<sup>1</sup>, Khashayar Dashtipour, MD, PhD<sup>2</sup>, Alberto J. Espay, MD, MSc<sup>3</sup>, Zoltan Mari, MD<sup>4</sup>, William Ondo, MD<sup>5</sup>*; (1)College of Pharmacy, Marshall B. Kethcum University, Fullerton, CA; (2)Loma Linda University, Loma Linda, CA; (3)University of Cincinnati Academic Health Center; (4)Johns Hopkins University, Baltimore, MD; (5)University of Texas Health Science Center-Houston

## **Oncology**

102. Outcomes of the Clinical Pharmacy Service in the checking and validation of chemotherapy prescriptions to prevent medication errors: 21 month experience from a Chilean pediatric hospital.  
*Mr. Felipe Silva M, Pharmacist<sup>1</sup>, Ms. M<sup>a</sup> Jesús Henríquez, Pharmacist<sup>1</sup>, Ms. Emma Concha V, Hematologist-oncologist<sup>2</sup>, Ms. Milena Villarroel C, Hematologist-oncologist<sup>2</sup>, Mr. Jorge Morales V, Pharmacist<sup>1</sup>*; (1)Department of Clinical Pharmacy, Hospital Dr. Luis Calvo Mackenna, Santiago Centro, Chile; (2)Oncology Unit, Hospital Dr. Luis Calvo Mackenna, Santiago Centro, Chile

## **Pain Management/Analgesia**

111. Efficacy and Safety of Epidural tramadol versus morphine for postoperative pain after Cesarean section in China: A Meta-analysis.  
*Mr. Sang Xu, MSc*; Department of pharmacy, Sir Run Run Shaw Hospital, School of Medicine, Zhejiang University, Hangzhou, Zhejiang, China, Sir Run Run Shaw Hospital, School of Medicine, Zhejiang University, Hangzhou, Zhejiang, China, China

## **Pediatrics**

120. Therapeutic drug monitoring of voriconazole in children with cancer.  
*Mr. Claudio González, Pharmacist<sup>1</sup>, Mrs. María Jose Rojas, MD<sup>1</sup>, Mr. Rodolfo Villena, MD<sup>1</sup>, Mr. Ariel Parra, Pharmacist<sup>2</sup>, Mrs. Marcela Zubieta, MD<sup>1</sup>, Carmen Salgado, MD<sup>1</sup>, Mirta Acuña, MD<sup>2</sup>, Donna Benadof, MD<sup>2</sup>*; (1)Hospital Exequiel González Cortés, Santiago, Chile; (2)Hospital Roberto del Río, Santiago, Chile

## **Pharmacoeconomics/Outcomes**

124. Intradermal versus intramuscular influenza vaccination in Hong Kong elderly: A cost-effectiveness analysis.  
*Mr. Man-Kit Leung, BPharm, Dr. Joyce You, PharmD, BCPS*; School of Pharmacy, The Chinese University of Hong Kong, Hong Kong

## Pharmacoepidemiology

127. Use and Adherence of Anxiety-Hypnotic Medications among the Elderly and National Health Insurance Beneficiaries in Taiwan.

*Hsiang-Wen Lin, M.S., Ph.D.*<sup>1</sup>, *Hsin-Hui Tsai, M.S., Ph.D.*<sup>2</sup>, *Feng-Chi Liu, M.S., Ph.D.*<sup>3</sup>, *Chia-Ing Li, M.S., Ph.D.*<sup>4</sup>, *Chun-Hui Liao, M.D., M.S., Ph.D.*<sup>5</sup>, *Chih-Hsueh Lin, M.D., M.S., Ph.D.*<sup>6</sup>, *Che-Yi Chou, M.D., Ph.D.*<sup>7</sup>, *Chin-Kai Chang, M.D., M.S.*<sup>8</sup>, *Yow-Wen Hsieh, M.D., M.S., Ph.D.*<sup>9</sup>, *Chin-Chuan Hung, M.S., Ph.D.*<sup>1</sup>, *Yi-Hui Lin, M.S., Ph.D.*<sup>1</sup>, *Tsai-Chung Li, M.S., Ph.D.*<sup>10</sup>; (1)School of Pharmacy and Graduate Institute, China Medical University, Taichung, Taiwan; (2)Department of Cosmetic Science, Providence University, Taichung, Taiwan; (3)Department of Pharmacy, China Medical University Hospital, Taichung, Taiwan; (4)Department of Medical Research, China Medical University Hospital, Taichung, Taiwan; (5)Department of Psychiatric, China Medical University Hospital, Taichung, Taiwan; (6)Department of Family Medicine, China Medical University Hospital, Taichung, Taiwan; (7)Department of Internal Medicine, China Medical University Hospital, Taichung, Taiwan; (8)Department of Rehabilitation, China Medical University Hospital, Taichung, Taiwan; (9)Department of Pharmacy, China Medical University Hospital, Taichung, Taiwan; (10)Graduate Institute of Biostatistics, China Medical University, Taichung, Taiwan

## Pharmacogenomics/Pharmacogenetics

129. Genotype-guided antiplatelet therapy with platelet reactivity testing: A cost-effectiveness analysis.

*Mr. Minghuan Jiang, BSc, MPhil, Dr. Joyce You, PharmD, BCPS*; School of Pharmacy, The Chinese University of Hong Kong, Hong Kong

## Pharmacokinetics/Pharmacodynamics/Drug Metabolism/Drug Delivery

139E. Pharmacokinetics of novel extended-release formulation aspirin in healthy volunteers.

*Dr. Jeff Patrick, PharmD*<sup>1</sup>, *Dr. Larry Dillaha, MD*<sup>1</sup>, *Dr. Danielle Armas, MD*<sup>2</sup>; (1)New Haven Pharmaceuticals, Inc., Branford, CT; (2)Celerion, Tempe, AZ

## Psychiatry

140E. Adjunctive brexpiprazole (OPC-34712) in patients with major depressive disorder and anxiety symptoms: an exploratory study.

*Lori L. Davis, M.D.*<sup>1</sup>, *Ai Ota, BSc*<sup>2</sup>, *Pamela P Perry, MS*<sup>3</sup>, *Ms. Kana Tsuneyoshik, BS*<sup>2</sup>, *Anna Eramo, MD*<sup>4</sup>, *Ross A Baker, PhD, MBA*<sup>5</sup>; (1)Veterans Affairs Medical Center, Tuscaloosa, AL; (2)Otsuka Pharmaceutical Co., Ltd., Tokyo, Japan; (3)Otsuka Pharmaceutical Development and Commercialization, Inc., Princeton, NJ; (4)Lundbeck LLC, Deerfield, IL; (5)Otsuka Pharmaceutical Development & Commercialization, Inc., Princeton, NJ

## Transplant/Immunology

149. Does prophylaxis strategy matter? CMV reactivation in moderate risk (R+) heart transplant recipients.

*Dr. Christina Doligalski, PharmD, BCPS*, *Esther Liu, PharmD, BCPS*; Department of Pharmacy, Tampa General Hospital, Tampa, FL

## CLINICAL PHARMACY FORUM

### Ambulatory Care

158. Evaluating the impact of a medication therapy management clinic for outpatients within an academic medical center heart hospital.

*Amy Schultz, PharmD*<sup>1</sup>, *Diana Vinh, PharmD, BCPS*<sup>2</sup>, *Trisha Jordan, PharmD, MS*<sup>2</sup>, *Charles Bush, MD*<sup>3</sup>, *Melissa Snider, PharmD, BCPS, CLS*<sup>1</sup>; (1)Department of Pharmacy, The Ohio State University Wexner Medical Center; (2)The Ohio State University Wexner Medical Center; (3)Division of Cardiovascular Medicine, The Ohio State University Wexner Medical Center

160. Evaluation of Ambulatory Care Clinical Pharmacy Providers on Type 2 Diabetes Patient Outcomes in a Veteran Population.

*Lisa Chastain, PharmD, BCACP<sup>1</sup>*, Krystal Edwards, Pharm.D., FCCP, BCPS<sup>2</sup>, Carlos Alvarez, Pharm.D., M.Sc., BCPS<sup>3</sup>; (1)Pharmacy Practice - Ambulatory Care Division, Texas Tech University Health Sciences Center, Dallas, TX; (2)Texas Tech UHSC School of Pharmacy, Dallas, TX; (3)Texas Tech University Health Sciences Center

162. 2015 Updates on the Accomplishments and Initiatives of the ACCP Ambulatory Care Practice and Research Network (PRN).

*James Lee, PharmD, BCACP<sup>1</sup>*, Sweta Patel, PharmD, BCPS<sup>2</sup>, Golden Peters, Pharm.D., BCPS<sup>3</sup>, Amy Leung, PharmD, BCPS<sup>4</sup>, Gregory Castelli, PharmD, BCPS<sup>5</sup>; (1)University of Illinois at Chicago College of Pharmacy, Chicago, IL; (2)Mercer University College of Pharmacy, Atlanta, GA; (3)Saint Louis College of Pharmacy, Saint Louis, MO; (4)Phoenix VA Health Care System, Phoenix, AZ; (5)West Virginia University School of Pharmacy, Morgantown, WV

165. Medication management to improve transition to post-acute care.

*Amy Myers, PharmD, BCPS<sup>1</sup>*, Dr. Amanda Mixon, MD, MS, MSPH<sup>2</sup>, Erin Neal, Pharm.D., BCPS<sup>3</sup>, *Patricia B Miller, PharmD<sup>3</sup>*, Dr. Susan Bell, MD<sup>4</sup>, Ms. J. Marylou Jacobsen, BA<sup>5</sup>, Kathryn Goggins, MPH<sup>6</sup>, Ms. Avantika Saraf, MPH<sup>4</sup>, Sunil Kripalani, MD, MSc<sup>7</sup>, Dr. John Schnelle, PhD<sup>8</sup>, Dr. Sandra Simmons, PhD<sup>4</sup>, Dr. Joseph Ouslander, MD<sup>9</sup>, Dr. Eduard Vasilevskis, MD, MPH<sup>10</sup>; (1)Department of Pharmacy, Vanderbilt Medical Center, Nashville, TN; (2)Department of Medicine, Vanderbilt University Medical Center, Nashville, TN; (3)Vanderbilt University Medical Center, Nashville, TN; (4)Vanderbilt Center for Quality Aging; (5)Vanderbilt Center for Quality Aging, Nashville, TN; (6)Vanderbilt University Medical Center; (7)Vanderbilt University School of Medicine; (8)Vanderbilt Center for Quality Aging, TN; (9)Florida Atlantic University; (10)Department of Medicine, Vanderbilt University Medical Center, TN

166. Implementation and Evaluation of a Comprehensive Medication Review in Patient Centered Medical Home.

*Dr. Anne Yoo, PharmD, BCPS<sup>1</sup>*, Dr. Marie Marcelino, PharmD, MBA, BCACP<sup>1</sup>, Tami Remington, PharmD, BCPS<sup>2</sup>, Dr. Hae Mi Choe, PharmD<sup>2</sup>; (1)University of Michigan Health System, MI; (2)University of Michigan Health System, University of Michigan College of Pharmacy

## **Education/Training**

175. National Characteristics of Residency Program Interview Processes.

*Jennifer H. Austin, PharmD<sup>1</sup>*, Katherine Mieure, PharmD<sup>2</sup>, Lynn Weber, PharmD<sup>3</sup>, Dr. Bryan McCarthy Jr., PharmD, MS<sup>1</sup>; (1)University of Chicago Medicine, Chicago, IL; (2)Department of Pharmacy, Massachusetts General Hospital, Boston, MA; (3)Hennepin County Medical Center, Minneapolis, MN

## **Emergency Medicine**

177. Initial opioid dosing in the emergency department for acute pain.

*Brian Faley, PharmD<sup>1</sup>*, Gabrielle Procopio, PharmD<sup>2</sup>, James Priano, PharmD<sup>1</sup>; (1)Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, Piscataway, NJ; (2)Department of Pharmacy Practice and Administration, Ernest Mario School of Pharmacy, Piscataway, NJ

## **Hematology/Anticoagulation**

183. The impact of a pharmacist-managed warfarin monitoring program for an orthopedic service utilizing a multidisciplinary approach at an academic medical center.

*Nina Huynh, Pharm.D., BCPS<sup>1</sup>*, *Kirk Dennis, Pharm.D., BCPS<sup>2</sup>*; (1)Department of Pharmacy Practice, University of Illinois at Chicago, Chicago, IL; (2)Department of Pharmacy, Rush University Medical Center, Chicago, IL

## **Herbal/Complementary Medicine**

184. Anti-Diabetic potential of a newly developed polyhedral formulation (PHP-F/001) and its effect on the Glucose Transport gene (GLUT-2 and GLUT-4) in liver and skeletal muscles in streptozotocin induced diabetic wistar rats.

*Dr. Waleed Shaqha Sr., Ph.D.*; Pharmacology, Al-Imam Muhammad Ibn Saud Islamic University, Riyadh, Saudi Arabia

## **Infectious Diseases**

185. What is the Role of the Clinical Pharmacist in Adult Pneumococcal Immunization Programs?.

*Kimbal Ford, PharmD<sup>1</sup>, Blair Capitano, PharmD<sup>1</sup>, Daniel Touchette, PharmD, MA<sup>2</sup>, Rachel Chennault, PhD<sup>2</sup>, Verna Welch, PhD, MPH<sup>1</sup>; (1)Pfizer, Inc., Collegeville, PA; (2)American College of Clinical Pharmacy Research Institute, Lenexa, KS*

### **Medication Safety**

189. Implementation of a Best Practice Alert to Improve Vancomycin Monitoring.

*Dr. Diana Andrade, Doctorate of Pharmacy, Pharmacy, Memorial Hospital West, Pembroke Pines, FL*

### **Oncology**

192. Middle East cancer patient experience and satisfaction with treatment risk communication by health professionals.

*Dr. Kerry Wilbur, BScPharm, PharmD, MScPH, FCSHP<sup>1</sup>, Dr. Sumaya Al Saadi Al Yafi, BScPharm, PharmD<sup>2</sup>, Ms. Ebaa Jumat, BScPharm<sup>3</sup>, Ms. Maha AlOkka, BScPharm<sup>4</sup>, Ms. Marwa Elbashir, -<sup>4</sup>, Ms. Nesma Eissa, -<sup>4</sup>; (1)QU College of Pharmacy, Qatar University College of Pharmacy, Doha, Qatar; (2)National Centre for Cancer Care and Research, Doha, Qatar; (3)Qatar University College of Pharmacy, Doha, Qatar; (4)Qatar University College of Pharmacy*

### **Transplant/Immunology**

212. Innovations through information technology a process for mycophenolate risk evaluation mitigation fulfillment.

*Demetra Tsapepas, Pharm.D., BCPS<sup>1</sup>, Felicia Morales-Castro, BSc<sup>2</sup>; (1)Department of Pharmacy, NewYork-Presbyterian Hospital, Columbia University Medical Center, New York, NY; (2)NewYork-Presbyterian Hospital, Columbia University Medical Center, New York, NY*

## **INTERNATIONAL CLINICAL PHARMACY EDUCATION AND TRAINING**

### **Ambulatory Care**

213. Impact of a Student-led HIV Screening Program in Ndejje, Uganda.

*Dr. Kevin Rynn, BS, PharmD<sup>1</sup>, Paul Gaura, BS, PharmD Candidate<sup>1</sup>, RaeAnn Hirschy, BS, PharmD Candidate<sup>1</sup>, Alyssa Wenzel, PharmD<sup>1</sup>, Freddy E Kitutu, MSC, MPS<sup>2</sup>, Dr. Moses Arinaitwe, MBChB-MUK, MSc(Public Health)-UMU<sup>3</sup>, Jacqueline Namatovu, BS<sup>3</sup>, Dr. Inis Bardella, MD<sup>1</sup>; (1)Rosalind Franklin University of Medicine and Science, North Chicago, IL; (2)Makerere University College of Health Sciences, Kampala, Uganda; (3)Ndejje HealthCentre IV, Ndejje, Uganda*

### **Education/Training**

223. Creation and delivery of a clinical pharmacy practice and education program for international participants in the US.

*Nancy Shapiro, PharmD<sup>1</sup>, Maika Patino, PharmD<sup>1</sup>, Hsiang-Wen Lin, M.S., Ph.D.<sup>2</sup>, Alan Lau, PharmD<sup>1</sup>; (1)Department of Pharmacy Practice, University of Illinois at Chicago College of Pharmacy, Chicago, IL; (2)School of Pharmacy and Graduate Institute, China Medical University, Taichung, Taiwan*

228. Development of a Chinese-American Clinical Pharmacy Clerkship and Exchange Collaborative.

*Dr. Lingli Zhang, M.D.<sup>1</sup>, Dr. Kimberly K. Scarsi, PharmD, MSc<sup>2</sup>, Dr. Dezhi Mu, MD, PhD<sup>3</sup>, Dr. Mingrong Qie, MD<sup>4</sup>, Dr. Dong Wang, PhD<sup>5</sup>, Dr. Keith M. Olsen, Pharm., D., FCCP<sup>2</sup>; (1)Department of Pharmacy, West China Second University Hospital, Sichuan University, Chengdu, China; (2)Department of Pharmacy Practice, University of Nebraska Medical Center, Omaha, NE; (3)Department of Pediatrics, West China Second University Hospital, Sichuan University, Chengdu, China; (4)Department of Obstetrics and Gynecology, West China Second University Hospital, Sichuan University, Chengdu, China, China; (5)Department of Pharmaceutical Sciences, University of Nebraska Medical Center, Omaha, NE*

230. Impact of an international introductory pharmacy practice experience rotation in Uganda, Africa.

*Dr. Darowan Akajagbor, Pharm.D., Dr. Nicole Cieri, PharmD, BCPS, Ms. Jamie Fery, Pharm.D. Candidate; School of Pharmacy, D'Youville College, Buffalo, NY*

232. An international medicine rotation in South Africa as part of the West Virginia University Healthcare post-graduate year two internal medicine residency program.

*Carmen B. Smith, PharmD, BCPS<sup>1</sup>, Micaela Carroll, PharmD<sup>2</sup>, Kelsey Lyon, PharmD<sup>3</sup>; (1)St. Louis College of Pharmacy, St. Louis, MO; (2)Georgia Regents Medical Center, Augusta, GA; (3)West Virginia University Healthcare, Morgantown, WV*

234. Demystifying Pharmacists' Perceptions of Palliative Care: An Innovative Tool for Educational Development. *Dr. Ebtesam Ahmed, Pharm.D, M.S.<sup>1</sup>, Dr. Jenna Butner, MD<sup>2</sup>, Prof. Samar Mansour, Ph.D.<sup>3</sup>; (1)Clinical Health Professions, St. John's University College of Pharmacy and Health Sciences, Queens, NY; (2)Internal Medicine, Yale University School of Medicine, New Haven, CT; (3)Faculty of Pharmacy, The German University in Cairo and Ain Shams University, Cairo, Egypt*

235. The national clinical pharmacist training program in China.

*Zhengzheng Xie, M.S; Pharmacy Department, Beijing Shijitan Hospital Capital Medical University, Beijing, China*

241. A feasibility analysis for the development of an international introductory/advanced pharmacy practice experience program in Taiwan.

*Sara DiTursi, B.A.<sup>1</sup>, Qing Ma, Ph.D.<sup>2</sup>, Yea-Huei Kao Yang, B.S.Pharm.<sup>3</sup>, Wen-Liang Lin, M.S.Pharm.<sup>3</sup>, Jackson Chieh-Hsi Wu, Ph.D.<sup>4</sup>, Gina M. Prescott, Pharm.D., BCPS<sup>1</sup>, Edward M. Bednarczyk, Pharm.D.<sup>1</sup>; (1)School of Pharmacy and Pharmaceutical Sciences, University at Buffalo, Buffalo, NY; (2)Translational Pharmacology Core, Center of Excellence in Bioinformatics and Life Sciences, School of Pharmacy and Pharmaceutical Sciences, University at Buffalo, Buffalo, NY; (3)Institute of Clinical Pharmacy and Pharmaceutical Sciences, National Cheng Kung University, Tainan, Taiwan; (4)College of Pharmacy, Taipei Medical University, Taipei, Taiwan*

242. The evaluation of the BPS certification process; A focus on its impact in Egypt.

*Ms. Yasmin Elsobky, Master<sup>1</sup>, Mr. Ahmed Derzawy, Dip.Clin.Pharm, Bsc.Pharm<sup>2</sup>, Ms. Dareen Atta, Master<sup>3</sup>; (1)School of Pharmacy, Misr International University, Cairo, Egypt; (2)Al Helal Hospital, Specialized Medical Centers, MOH, Cairo, Egypt; (3)Oseem Hospital, MOH, Egypt., Cairo, Egypt*

243. Implementation of a pharmacy student-led hypertension and diabetes screening program for a low-income population in Macao S.A.R., China.

*Dr. Cheng-Kin Lao, Pharm.D.<sup>1</sup>, Dr. Yok-Man Chan, Ph.D.<sup>1</sup>, Prof. Henry H.Y. Tong, Ph.D., MPH<sup>1</sup>, Prof. Alexandre Chan, Pharm.D., MPH, FCCP, BCPS, BCOP<sup>2</sup>; (1)School of Health Sciences, Macao Polytechnic Institute, Macao; (2)Department of Pharmacy, National University of Singapore, Singapore, Singapore*

250. Solutions for Resource Limited Settings: Harnessing Mobile Technology for Treatment Optimisation and Capacity Building.

*Mr. Joseph Walter Arinaitwe, Bachelor of Pharmacy; Training and Capacity Development Department, The Infectious Diseases Institute, Kampala, Uganda*

252. Assessing Student Pharmacist Preparedness for a Global Health APPE.

*Dr. Ellen Schellhase, PharmD<sup>1</sup>, Dr. Monica L. Miller, PharmD<sup>2</sup>, Dr. Rakhi Karwa, PharmD<sup>3</sup>, Dr. Susie Crowe, PharmD<sup>4</sup>, Dennis Thirix, BPharm<sup>5</sup>; (1)Department of Pharmacy Practice, Purdue University, West Lafayette; (2)Department of Pharmacy Practice, Purdue University College of Pharmacy; (3)Department of Pharmacology, Moi University, Eldoret, Kenya; (4)Purdue University College of Pharmacy, West Lafayette, IN; (5)Moi Teaching and Referral Hospital*

256. Building capacity to improve medication use in Uganda through a short-term, experiential pharmaceutical care skills training program in the USA for Ugandan pharmacists.

*Dr. KarenBeth Bohan, Pharm.D.<sup>1</sup>, Dr. Darowan Akajagbor, Pharm.D.<sup>2</sup>, Prof. Richard Odoi Adome, Ph.D.<sup>3</sup>; (1)Department of Pharmacy Practice, Wilkes University, Wilkes-Barre, PA; (2)School of Pharmacy, D'Youville College, Buffalo, NY; (3)Department of Pharmacy, Makerere University, Kampala, Uganda*

257. Intensive education and training for international pharmacy scholars.

*Dr. Roger Lander, BSPharm, PharmD, FCCP, FASHP, BCACP<sup>1</sup>, Dr. Paula Thompson, PharmD, MS, BCPS<sup>1</sup>, Dr. Charles Sands III, BSPharm, PharmD<sup>1</sup>, Dr. Michael Hogue, PharmD, FAPhA, FNAP<sup>1</sup>, Dr. Robert Henderson, BSPharm, PharmD, FCCP, FASHP, BCPS<sup>1</sup>, Dr. Hiroyuki Kamei, PhD<sup>2</sup>; (1)Pharmacy Practice Department, McWhorter School of Pharmacy, Samford University, Birmingham, AL; (2)Department of Pharmacy Practice, College of Pharmacy, Meijo University, Nagoya, Japan*

261. Introducing patient-centered pharmacy education in Turkey.

*Akgul Yesilada, PhD<sup>1</sup>, Jodie Malhotra, PharmD<sup>2</sup>, Kari Franson, Pharm.D., Ph.D.<sup>3</sup>; (1)Faculty of Pharmacy, Istanbul Kemerburgaz University, Bagcilar, Istanbul, Turkey; (2)Distance Degrees and Programs, University of Colorado*

Skaggs School of Pharmacy, Aurora, CO; (3)Department of Clinical Pharmacy, University of Colorado Skaggs School of Pharmacy, Aurora, CO

265. Clinical pharmacy education for German pharmacists.

*Dr. Sven Normann, Pharm.D.*, Dr. Monika Trojan, Pharm.D., Dr. Gregory Zuest, Ph.D.; College of Pharmacy, University of Florida, Gainesville, FL

266. Reform of pharmacy education in Taiwan: establishment of the first Pharm.D. program at National Taiwan University.

*Dr. Shu-Wen Lin, Pharm.D., M.S.*, Dr. Li-Jiuan Shen, Ph.D., Fe-Lin Lin Wu, Ph.D., Dr. Shoei-Sheng Lee, Ph.D., Dr. Ji-Wang Chern, Ph.D., Dr. Yunn-Fang Ho, PhD, Dr. Jih-Hwa Guh, Ph.D.; School of Pharmacy, National Taiwan University, Taipei, Taiwan

268. Utilizing HIV post-exposure (PEP) kits for patients in the United States, United Kingdom, and Australia.

*Nadia Lian, Pharm.D. Candidate*<sup>1</sup>, Elizabeth Unni, BPharm, MBA, PhD<sup>2</sup>, William Kuykendall, Pharm. D.<sup>3</sup>; (1)School of Pharmacy, Roseman University of Health Sciences College of Pharmacy, Riverton, UT; (2)Roseman University of Health Sciences College of Pharmacy, S Jordan, UT; (3)Department of Pharmacy, Roseman University of Health Sciences College of Pharmacy, Henderson, NV

## **Other**

272. Merging Global Health and Pharmacy through a PGY2 Public Health Residency.

*Dr. Priscilla Ko, PharmD*; Bristol-Myers Squibb Foundation and Rutgers University, Princeton, NJ

273. Global Pharmacy Education Initiatives in the Ohio State University College of Pharmacy.

*Hyun-Su Kim, PharmD, MA*, Jennifer Rodis, PharmD, BCPS, FAPhA, Robert Brueggemeier, PhD, Kenneth Hale, PhD, RPh; College of Pharmacy, The Ohio State University, Columbus, OH

## **INTERNATIONAL CLINICAL PHARMACY PRACTICE**

### **Ambulatory Care**

277. Effectiveness of Independent Pharmacist Prescribers in Glycaemic Control of Type 2 Diabetes.

*Dr. Mohammed Abutaleb, PhD*<sup>1</sup>, Dr. Douglas Steinke, PhD<sup>2</sup>, Mr. Steve Williams, MRPharmS<sup>3</sup>, Dr. Naveed Younis, MD<sup>3</sup>, Dr. Mary P. Tully, PhD<sup>2</sup>; (1)Pharmaceutical Care, Jazan Health Affairs, Sabya, Saudi Arabia; (2)Pharmacy Practice, Manchester Pharmacy School, Manchester, United Kingdom; (3)Wythenshawe Hospital, South Manchester University Hospital, Manchester, United Kingdom

### **Cardiovascular**

278. Clinical pharmacy services at a referral center for cardiovascular diseases in Iran.

*Dr. Azita H. Talasaz, Pharm D, BCPS*, Dr. Mehrnoush Dianatkah, Pharm D; Department of Clinical Pharmacy, Tehran Heart Center, Tehran University of Medical Sciences

### **Clinical Administration**

279. The Use of a Strategic Plan for the Clinical Pharmacy Section in a Tertiary Care Center Purpose.

*Dr. Rayf Abulezz IV, B.S, Pharm.D, BCPS*<sup>1</sup>, Mr. Mansoor Khan IV, BS, MS, BCOP<sup>2</sup>, Mr. Hani Alhamdan IV, BS, MS<sup>2</sup>; (1)Pharmacy Department, Prince Mohamed bin Abdulaziz Hospital-NGHA, Madinah, Saudi Arabia; (2)King Abdulaziz Medical City-Jeddah-NGHA

### **Critical Care**

281. Pharmacists' involvement in the development of a cardiac critical care unit in a resource-constrained setting.

*Dr. Susie Crowe, PharmD, BCPS*<sup>1</sup>, Dr. Stephanie Lukas, PharmD, MPH<sup>2</sup>, Mr. Benson Njuguna, BPharm<sup>3</sup>, Dr. Gilbert Koech, BPharm<sup>4</sup>, Dr. Imran Manji, BPharm<sup>3</sup>, Dr. John Lawrence, MD<sup>5</sup>, Mr. Peter Park, MBA<sup>6</sup>; (1)Department of Pharmacy Practice, Purdue University College of Pharmacy, West Lafayette; (2)Human Resources for Health, Yale University, Kigali, Rwanda; (3)Department of Pharmacy, Academic Model Providing Access to Healthcare (AMPATH), Eldoret, Kenya; (4)Department of Pharmacy, Moi Teaching and Referral Hospital, Eldoret, Kenya; (5)The Hubert-Young Center for Global Health, Duke University Medical Center, Durham, NC; (6)Finance, Academic Model Providing Access to Healthcare (AMPATH), Eldoret, Kenya

## Geriatrics

288. Pharmacist-Led Medication Review for Elderly with Fall-Related Admissions in Hong Kong.

*Mr. Kenneth Cheung, BPharm(Hons), MSc Clinical Pharmacy, International Practice and Policy, BCPS<sup>1</sup>, Mr. Chun Chung Chan, BPharm<sup>1</sup>, Dr. Ting Kwan Yim, MBChB<sup>2</sup>; (1)Department of Pharmacy, United Christian Hospital, Hong Kong; (2)Department of Medicine and Geriatrics, United Christian Hospital, Hong Kong*

## Hematology/Anticoagulation

290. Evaluation of the outcomes of the first pharmacist-managed anticoagulation clinic in Qatar.

*Osama Abdelsamad, BPharm, MS<sup>1</sup>, Dr. Hazem Elewa, PhD, RPh, BCPS<sup>2</sup>, Rasha Elanani, PharmD<sup>3</sup>, Dr. Ezeldein Soaly, MD<sup>4</sup>; (1)Pharmacy Department, Alwakra hospital, Hamad Medical Corporation, Alwakra, Qatar; (2)Qatar University, Doha, Qatar; (3)Pharmacy, Alwakra hospital, Hamad Medical Corporation, Alwakra, Qatar; (4)Outpatient clinic, Alwakra hospital, Hamad Medical Corporation, Alwakra, Qatar*

## HIV/AIDS

293. Knowledge, Attitude and Practice towards PMTCT of HIV among Women Attending Ambo Hospital ANC Clinic, West Ethiopia.

*Mr. Gurmu Umeta Jr., Bachelor of Pharmacy; Pharmacy Department, AMBO UNIVERSITY, Ethiopia*

297. Development and implementation of a clinical pharmacy training manual for HIV therapy in Nigeria.

*Mrs. Oluremi O. Olaitan, BPharm, MSc<sup>1</sup>, Dr. Kimberly K. Scarsi, PharmD, MSc<sup>2</sup>, Mr. Obioha C. Eberendu, BPharm, MSc<sup>1</sup>, Mr. Isaac O. Abah, BPharm, MSc<sup>3</sup>, Dr. Patrick A. Akande, MBBS, MPH<sup>1</sup>, Dr. Robert L. Murphy, MD<sup>4</sup>, Dr. Phyllis J. Kanki, DVM, ScD<sup>5</sup>, Dr. Prosper I. Okonkwo, MD<sup>1</sup>, Dr. Kristin M. Darin, PharmD<sup>4</sup>; (1)AIDS Prevention Initiative in Nigeria (APIN), Nigeria; (2)Department of Pharmacy Practice, University of Nebraska Medical Center, Omaha, NE; (3)Pharmacy Department, Jos University Teaching Hospital, Jos, Nigeria; (4)Division of Infectious Diseases and Center for Global Health, Northwestern University Feinberg School of Medicine, Chicago, IL; (5)Department of Immunology and Infectious Diseases, Harvard T. H. Chan School of Public Health, Boston, MA*

## Infectious Diseases

298. Colistimethate sodium induced nephrotoxicity, A three years retrospective analysis in Hamad General Hospital in Qatar.

*Mr. Eyad Almadhoun Sr., M.sc clinical pharmacy; clinical pharmacy section, Hamad General Hospital, Doha, Qatar*

299. Improvement In The Appropriateness Of Outpatient Antibiotics prescription: From the role of Pharmacist.

*Ms. Yi Harn Chan, RPh<sup>1</sup>, Wuan-Jin Leu, M.S.<sup>2</sup>, Ms. Chia-Shan Tsai, M.S.<sup>1</sup>, Shih-Ya Huang, RPh<sup>1</sup>, You-Meei Lin, M.S.<sup>1</sup>; (1)Department of Pharmacy, Shuang Ho Hospital, Taipei Medical University, New Taipei City, Taiwan; (2)Department of Pharmacy, Taipei Medical University - Shuang Ho Hospital, New Taipei City, Taiwan*

300. Evaluating the Performance on Hospital Vancomycin Dosing Nomograms in Taiwan.

*Shih-Ya Huang, RPh, Yen-Ying Lee, Pharm.D., Jui-Chia Chang, M.S., Ying-Chen Chen, RPh, Wuan-Jin Leu, M.S., You-Meei Lin, M.S.; Department of Pharmacy, Shuang Ho Hospital, Taipei Medical University, New Taipei City, Taiwan*

## Medication Safety

304. Evaluation of drug administration process in a paediatric ward.

*Dr. Zayed Alsulami, PhD; Pharmaceutical Services Department, Alkharij Military Hospital, Alkharij, Saudi Arabia*

305. Pharmacy services through short-term international mission improving pharmacy practice.

*Dr. Michael Hogue, PharmD, FAPhA, FNAP<sup>1</sup>, Dr. David Luthin, Ph.D.<sup>2</sup>, Dr. Pilar Murphy, PharmD, BCACP<sup>3</sup>, Dr. Jessica Skelley, Pharm.D., BCACP<sup>3</sup>; (1)Pharmacy Practice Department, McWhorter School of Pharmacy, Samford University, Birmingham, AL; (2)Department of Pharmaceutical, Social and Administrative Sciences, Samford University McWhorter School of Pharmacy, Birmingham, AL; (3)Department of Pharmacy Practice, Samford University McWhorter School of Pharmacy, Birmingham, AL*

307. Compliance enhancing patient information leaflets – a strategy to decrease patient misadventure with oral chemotherapies.

*Ms. Berenice Sheridan, BPharm, BCOP, Mr. Ian Larmour, BPharm, Mr. Allan Manser, BPharm, Ms. Susanne Sturm, BPharm, Mrs. Bronwyn Allan, BPharm, Mr. Obaid Fazli, BPharm, Mr. Andrew Lim, BPharm, Ms. LiLing Ng, BPharm, Ms. Vi Mai, BPharm, Mr. Tin Vo, BPharm, Mr. ChiHao La, BPharm, Mr. An Pham, BPharm, Ms. Tara Sugumar, BPharm, Ms. Nadia Widuch, BPharm; Monash Health, Australia*

## **Oncology**

313. Evaluation of the Extent and Impact of Oncology Clinical Pharmacy Service in a Tertiary Hospital in Hong Kong – First Ten-Month Experience.

*Dr. Keary Zhou, Pharm.D.<sup>1</sup>, Ms. Wai Tung Cheung, Bachelor of Pharmacy<sup>2</sup>, Ms. Yu Yeung Wong, Bachelor of Pharmacy<sup>2</sup>; (1)School of Pharmacy, The Chinese University of Hong Kong, Shatin, Hong Kong; (2)Department of Pharmacy, Tuen Mun Hospital*

317. Implementation of a pharmaceutical care service in the outpatient pediatric oncology clinic.

*Mr. Felipe Silva M, Pharmacist<sup>1</sup>, Ms. M<sup>a</sup> Jesús Henríquez, Pharmacist<sup>1</sup>, Ms. Romina Escobar, Pharmacist, Mr. Jorge Morales V, Pharmacist<sup>1</sup>; (1)Department of Clinical Pharmacy, Hospital Dr. Luis Calvo Mackenna, Santiago Centro, Chile*

## **RESIDENTS AND FELLOWS RESEARCH IN PROGRESS**

### **Ambulatory Care**

329. Chronic obstructive pulmonary disease (COPD) management in an underserved population: Evaluation of current practices at Old Town Clinic (OTC).

*Srilatha Tavisala, Pharm.D.<sup>1</sup>, Jessina C. McGregor, Ph.D.<sup>2</sup>, Elizabeth Le, PharmD<sup>1</sup>, Harleen Singh, Pharm.D.<sup>2</sup>; (1)College of Pharmacy, Oregon State University/Oregon Health & Science University, Portland, OR; (2)Oregon State University/Oregon Health & Science University College of Pharmacy, Portland, OR*

332. Effects of a pharmacy intervention on statin prescribing in the ambulatory setting.

*Dr. Scott Coon, Pharm.D., BCPS, Dr. Justinne Guyton, Pharm.D., BCACP, Dr. Amie Brooks, Pharm.D., BCACP, BCPS; Department of Pharmacy Practice, St. Louis College of Pharmacy, St. Louis, MO*

### **Cardiovascular**

345. Identifying days alive out of hospital as a useful metric to track success in an interdisciplinary heart failure disease management program.

*Erika Giblin, Pharm.D.<sup>1</sup>, Shawn Anderson, Pharm.D., BCACP<sup>2</sup>, Allison White, Pharm.D.<sup>1</sup>; (1)North Florida/South Georgia Veterans Medical Center, Gainesville, FL; (2)Department of Veterans Affairs, Gainesville, FL*

346. Safety and efficacy of vitamin D supplementation after left ventricular assist device (LVAD) or heart transplantation (HT).

*Ian Hollis, PharmD<sup>1</sup>, Prashanth Iyer, PharmD<sup>2</sup>; (1)Department of Pharmacy, University of North Carolina Medical Center, Chapel Hill, NC; (2)University of North Carolina Hospitals, Chapel Hill, NC*

352. Initiation or Discontinuation of Guideline Directed Medical Therapy Among Hospitalized Patients with Heart Failure.

*Dr. Eliza Daubert, PharmD<sup>1</sup>, Dr. Khalid Alburikan, PharmD<sup>1</sup>, Dr. Richard Tran, PharmD<sup>1</sup>, Dr. Patricia Chang, MD, MS<sup>2</sup>, Dr. Carla Sueta, MD, PhD<sup>2</sup>, Ms. Bryстана Kaufman, MSPH<sup>3</sup>, Dr. Anna Kucharska-Newton, PhD<sup>4</sup>, Dr. Orly Vardeny, PharmD<sup>5</sup>, Dr. Sally Stearns, PhD<sup>4</sup>, Jo E. Rodgers, PharmD, FCCP, BCPS (AQ Cardiology)<sup>6</sup>; (1)Division of Pharmacotherapy and Experimental Therapeutics, University of North Carolina Eshelman School of Pharmacy, Chapel Hill, NC; (2)School of Medicine, University of North Carolina, Chapel Hill, NC; (3)School of Public Health, University of North Carolina, Mebane, NC; (4)School of Public Health, University of North Carolina, Chapel Hill, NC; (5)School of Pharmacy, University of Wisconsin, WI; (6)Division of Pharmacotherapy and Experimental Therapeutics, Eshelman School of Pharmacy, University of North Carolina, Chapel Hill, NC*

### **Community Pharmacy Practice**

354. Implementation steps and strategies fostering success of medication management services in community pharmacies.

*Deborah Pestka, PharmD<sup>1</sup>, Caitlin K. Frail, PharmD, MS, BCACP<sup>2</sup>, Jeannine Conway, PharmD<sup>3</sup>, Bethany Von Hoff, PharmD<sup>1</sup>, Laura Palombi, PharmD, MAT<sup>4</sup>, Todd D. Sorensen, PharmD<sup>2</sup>; (1)Social and Administrative Pharmacy, University of Minnesota College of Pharmacy, Minneapolis, MN; (2)Pharmaceutical Care and Health Systems, University of Minnesota College of Pharmacy, Minneapolis, MN; (3)Experimental and Clinical Pharmacology, University of Minnesota College of Pharmacy, Minneapolis, MN; (4)Pharmacy Practice and Pharmaceutical Sciences, University of Minnesota College of Pharmacy, Duluth, MN*

## **Education/Training**

367. Assessment and survey of student pharmacists' knowledge and perceptions of an interactive pharmacology simulation session.

*Ms. Jasmine Reedus, B.S.<sup>1</sup>, Dr. Chasity Shelton, PharmD<sup>2</sup>, Dr. Trevor Sweatman, PhD<sup>3</sup>, Dr. Rennolds Ostrom, PhD<sup>3</sup>, Dr. Sharon McDonough, PhD<sup>2</sup>, Dr. Stephanie Phelps, PharmD<sup>2</sup>; (1)College of Pharmacy, The University of Tennessee Health Science Center, Memphis, TN; (2)Department of Clinical Pharmacy, The University of Tennessee Health Science Center, Memphis, TN; (3)College of Medicine, Department of Pharmacology, The University of Tennessee Health Science Center, Memphis, TN*

369. Educational outcomes associated with student pharmacist immersion in accountable patient-care roles in health-system practice.

*Kimberly A. Sanders, PharmD<sup>1</sup>, Kayla Waldron, PharmD, MS, BCPS<sup>2</sup>, Ian Willoughby, PharmD, MS, BCPS<sup>2</sup>, Jacqueline McLaughlin, PhD<sup>1</sup>, Nicole R. Pinelli, PharmD, MS, CDE<sup>1</sup>; (1)University of North Carolina Eshelman School of Pharmacy, Chapel Hill, NC; (2)Department of Pharmacy, University of North Carolina Medical Center, Chapel Hill, NC*

## **Emergency Medicine**

371. Construction of a real-time emergency department-specific antibiogram.

*Dr. Adam MacLasco, Pharm.D., Dr. Kyle Gordon, Pharm.D., Dr. Renee Petzel Gimbar, Pharm.D.; Department of Pharmacy Practice, University of Illinois College of Pharmacy, Chicago, IL*

## **Geriatrics**

379. Delirium associated with the use of zolpidem versus ramelteon in hospitalized elderly patients.

*Dr. Hannah Suh, Pharm.D.<sup>1</sup>, Dr. Mobolaji Adeola, Pharm.D., BCPS<sup>1</sup>, Dr. Kathryn Agarwal, MD<sup>2</sup>, Dr. Nicolin Neal, MD<sup>2</sup>, Dr. George Taffet, MD<sup>2</sup>, Dr. Rejena Azad, Pharm.D.<sup>1</sup>, Dr. Rabia Kazim, MD<sup>2</sup>, Dr. Michael Liebl, Pharm.D., BCPS<sup>1</sup>; (1)Department of Pharmacy, Houston Methodist Hospital, Houston, TX; (2)Baylor College of Medicine, Houston, TX*

## **Hematology/Anticoagulation**

381. Anticoagulation-related quality of life associated with extended-interval monitoring: A pre-specified analysis of the FADE-OUT study.

*Nicholas Carris, PharmD, BCPS<sup>1</sup>, Steven Smith, PharmD, MPH, BCPS<sup>1</sup>, James Taylor, PharmD, CDE<sup>2</sup>, Karen Sando, Pharm.D., BCACP, CDE<sup>2</sup>, Jason Powell, Pharm.D.<sup>2</sup>, Andrew Hwang, PharmD<sup>1</sup>, John Gums, PharmD, FCCP<sup>1</sup>, Eric Dietrich, PharmD, BCPS<sup>1</sup>, Katherine Vogel Anderson, Pharm.D., BCACP<sup>3</sup>; (1)Department of Pharmacotherapy & Translational Research; Department of Community Health & Family Medicine, University of Florida, Gainesville, FL; (2)Department of Pharmacotherapy and Translational Research, University of Florida College of Pharmacy, Gainesville, FL; (3)Department of Pharmacotherapy and Translational Research, Division of General Internal Medicine, University of Florida Colleges of Pharmacy and Medicine, Gainesville, FL*

382. Superwarfarin-induced coagulopathy.

*Dr. Robbie Kattappuram, PharmD<sup>1</sup>, Dr. Joel Marrs, PharmD<sup>2</sup>, Dr. Sarah Anderson, PharmD<sup>2</sup>; (1)Aurora Healthcare Metro Inc.; (2)Department of Clinical Pharmacy, University of Colorado Skaggs School of Pharmacy & Pharmaceutical Sciences, Aurora, CO*

383. Utilization and prescribing patterns of novel oral anticoagulants.

*Maegan M. Patterson, Pharm.D.<sup>1</sup>, Eric J. MacLaughlin, Pharm.D., FASHP, FCCP, BCPS<sup>1</sup>, Krystal K. Haase, Pharm.D., FCCP, BCPS<sup>1</sup>, Rodney B. Young, M.D., FAAFP<sup>2</sup>, Ravindra M. Bharadwaj, M.D.<sup>2</sup>, Jacy Hodges,*

Pharm.D. Candidate<sup>1</sup>; (1)Texas Tech University Health Sciences Center School of Pharmacy, Amarillo, TX; (2)Texas Tech University Health Sciences Center School of Medicine, Amarillo, TX

384. Anticoagulation Prescribing Practices in Patients with Venous Thromboembolism and Malignancy.  
*Dr. Eunice Boo, PharmD*, Dr. Lindsay Arnold, PharmD, Dr. Radhika Sane, PharmD; Department of Pharmacy, Boston Medical Center, Boston, MA

### **Infectious Diseases**

398. Vancomycin versus daptomycin for treatment of *Staphylococcus aureus* bacteremia and endocarditis in a cohort of drug users.

*Sarah J Tennant, PharmD<sup>1</sup>*, W Cliff Rutter, PharmD<sup>2</sup>, David S Burgess, Pharm.D.<sup>3</sup>; (1)Pharmacy Services, UK 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

400. Microbiological and clinical efficacy of fosfomycin for complicated and uncomplicated urinary tract infections at a large academic medical center.

*Travis Jones, PharmD*, April Miller Quidley, PharmD, BCPS, FCCM, Kathey Fulton Rumley, PharmD, Michael Gooch, MS Pharm; Vidant Medical Center, Greenville, NC

### **Neurology**

405. Evaluation of the effect of a neurology specific heparin protocol on time to goal PTT range: a pre-and post protocol implementation study.

*Dr. Prachi Bhatt, PharmD<sup>1</sup>*, Dr. Anna Cervantes, MD<sup>2</sup>, Dr. Lindsay Arnold, PharmD<sup>1</sup>; (1)Department of Pharmacy, Boston Medical Center, Boston, MA; (2)Department of Neurology, Boston Medical Center

### **Other**

409. Twitter evaluation and extension of pharmacy study (TWEEPS): an evaluation of hydrocodone.

*Gabrielle Furgiele, PharmD Candidate 2016<sup>1</sup>*, Meagan Miles, PharmD Candidate 2016<sup>1</sup>, Daniel Connor Smith, PharmD Candidate 2016<sup>2</sup>, Bryan L. Love, PharmD, BCPS<sup>3</sup>, P. Brandon Bookstaver, PharmD, BCPS (AQ-ID), AAHIVP<sup>4</sup>, Andrew Sides, MD<sup>5</sup>; (1)University of South Carolina, South Carolina College of Pharmacy, Columbia, SC; (2)South Carolina College of Pharmacy, Columbia, SC; (3)Clinical Pharmacy and Outcomes Sciences, South Carolina College of Pharmacy, Columbia, SC; (4)Department of Clinical Pharmacy & Outcomes Sciences, South Carolina College of Pharmacy, University of South Carolina, Columbia, SC; (5)University of South Carolina School of Medicine, Columbia, SC

### **Pain Management/Analgesia**

410. Outcomes associated with a multidisciplinary pain oversight committee to facilitate appropriate management of chronic opioid therapy in Veterans.

*Dr. Ryan Schell, PharmD, BCPS<sup>1</sup>*, Dr. Anthony Abramczyk, PharmD, BCPS<sup>1</sup>, Dr. Cory Fominaya, PharmD, BCPS<sup>1</sup>, Dr. Robert Friedman, MD<sup>2</sup>, Dr. Sharon Castle, PharmD, BCPS<sup>1</sup>; (1)Pharmacy Service, Ralph H. Johnson VA Medical Center, Charleston, SC; (2)Department of Anesthesiology, Ralph H. Johnson VA Medical Center, Charleston, SC

411. Implementation and evaluation of a pharmacist-managed chronic pain clinic in a primary care setting.

*Jessica Norman, PharmD<sup>1</sup>*, Miranda Kroehl, MS, PhD, Cindy O'Bryant, PharmD<sup>3</sup>, Huong Mindy Lam, MD<sup>1</sup>, Carmen Lewis, MD, MPH<sup>1</sup>, Chelsea Mitchell, PharmD Candidate<sup>3</sup>, Katy E. Trinkley, PharmD<sup>3</sup>; (1)University of Colorado Hospital, Aurora, CO; (2)University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO

### **Pediatrics**

412. Medication regimen complexity index tool in pediatric cardiac patients.

*Ellie Hendricks, PharmD*, Ada Koch, PharmD, MBA, BCPS; Department of Pharmacy, Children's Hospital Colorado, Aurora, CO

## **Pulmonary**

423. Evaluation of antibiotic management in the reduction of recurrent chronic obstructive pulmonary disease (COPD) exacerbations.

*Dr. Laura Hunt, PharmD, BS<sup>1</sup>, Dr. Jason Lancaster, PharmD, MEd<sup>2</sup>, Dr. Elizabeth O'Gara, PharmD<sup>3</sup>, Dr. Leslie Mitchell, PharmD<sup>4</sup>, Dr. Henri Balaguera, MD<sup>4</sup>, Dr. Timothy Liesching, MD<sup>4</sup>, Yuxiu Lei, PhD<sup>4</sup>; (1)Inpatient Pharmacy, Lahey Hospital and Medical Center, Burlington, MA; (2)School of Pharmacy, Northeastern University, Boston, MA; (3)Lahey Hospital & Medical Center, Burlington, MA; (4)Lahey Hospital and Medical Center, Burlington, MA*

424. A Retrospective Evaluation of Inhaled Corticosteroid Use for COPD Patients Receiving Systemic Corticosteroids.

*Dr. Taylor Steuber, PharmD; Indiana University Health/Butler University College of Pharmacy and Health Sciences, Indianapolis, IN*

## **Transplant/Immunology**

432. Association of genetic polymorphisms of angiopoietin-like 4 with proteinuria in kidney allograft recipients.

*Dr. Youngil Chang, MS. PharmD.<sup>1</sup>, Dr. Tariq Shah, MD.<sup>2</sup>, Ya-Ting Chuang, MS.<sup>3</sup>, Dr. David I. Min, MS, Pharm.D.<sup>4</sup>; (1)Mendez National Institute of Transplantation Foundation, Mendez National Institute of Transplantation Foundation, Los Angeles, CA; (2)Multi-Organ Transplant Center, St Vincent Medical Center, Los Angeles, CA; (3)College of Pharmacy, School of pharmacy, Taipei City, Taiwan; (4)College of Pharmacy, Western University of Health Sciences, Pomona, CA*