

Scientific Poster Presentations, Research in Progress Special Session

Tuesday, October 20

Golden Gates 2-8

12:00 p.m.–1:30 p.m.

ENCORE PRESENTATIONS

Abstracts marked with an “E” are Encore Presentations. Encore Presentations undergo the same peer-review process as all other presentations, but they may have been presented elsewhere or published in abstract form before the 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.

STUDENTS RESEARCH IN PROGRESS

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

ADR/Drug Interactions

436. Evaluation of Adverse Drug Reactions in an Outpatient HIV Clinic in Manila, Philippines.

Ms. Natalie Valentino, Bachelor of Science in Pharmaceutical Sciences¹, Ms. Lauren Cirrincione, Bachelor of Science in Pharmaceutical Sciences¹, Ms. Cara Mazzarisi, Bachelor of Science in Pharmaceutical Sciences¹, *Mr. Trey Draude, Bachelor of Science in Pharmaceutical Sciences¹*, Lauren J. Jonkman, PharmD, MPH, BCPS¹, Sharon E. Connor, PharmD¹, Dr. Sandra L. Kane-Gill, PharmD, MSc, FCCM, FCCP², Edsel Salvana, MD, DTM&H³; (1)School of Pharmacy, University of Pittsburgh, Pittsburgh, PA; (2)Department of Pharmacy and Therapeutics, University of Pittsburgh School of Pharmacy, Pittsburgh, PA; (3)University of the Philippines Manila, Manila, Philippines

Adult Medicine

437. Medication Use Evaluation on the Inappropriate Use of Stress Ulcer Prophylaxis in General Medicine and Surgical Patients.

Cindy Boulton, PharmD Candidate¹, Susan Miller, Pharm.D., MBA, BCPS, FCCP²; (1)Eshelman School of Pharmacy, University of North Carolina, Chapel Hill, NC; (2)Southern Regional Area Health Education Center

438. Medication utilization review of calcitonin use in a hospital setting.

Sora Vysotski, PharmD Candidate¹, Aleks Ilchekes, PharmD¹, Dr. Adewale Omolaju, PharmD²; (1)School of Pharmacy, Touro College of Pharmacy, New York, NY; (2)Department of Pharmacy, The Brooklyn Hospital Center, Brooklyn, NY

Ambulatory Care

439. The Effect of a Color Coded Medication System on Patient Adherence.

Ms. Janell Penha, PharmD Candidate; Department of Pharmacy, University of Hawaii at Hilo, Hilo, HI

440. Implementation of a pharmacist-driven training program for medical assistants on comprehensive medication history in a cardiology clinic.

Thuylinh Nguyen, Pharm. D. Candidate 2016¹, Delia Saadeh, Pharm.D. Candidate 2016¹, Shi Yun Leong, Pharm.D. Candidate 2016¹, Nicole Murdock, Pharm.D, BCPS², Laura Tsu, Pharm.D, BCPS, CGP³, Ronni Nemeth, Pharm. D.¹, Karen Liu, Pharm. D.¹; (1)Midwestern University-College of Pharmacy, Glendale, AZ; (2)Department of Pharmacy Practice, Midwestern University-College of Pharmacy, Glendale, AZ; (3)Department of Pharmacy Practice, Chapman University School of Pharmacy, Orange, CA

441. Review of hypertension management in an anticoagulation clinic.

*Stephanie Shore, B.S., Pharm.D. Candidate*¹, Katherine Vogel Anderson, Pharm.D., BCACP², Kristin Rieser, Pharm.D.³; (1)College of Pharmacy, University of Florida, Gainesville, FL; (2)Department of Pharmacotherapy and Translational Research, Division of General Internal Medicine, University of Florida Colleges of Pharmacy and Medicine, Gainesville, FL; (3)Department of Pharmacotherapy and Translational Research, College of Pharmacy, University of Florida, Gainesville, FL

442. Medication Regimen Complexity and Health Literacy Among Underserved Adults with Chronic Health Conditions.

*Dr. Kajua Lor, Pharm.D.*¹, Dr. Maria Rivas, Pharm.D., Ms. Kristen Parker, Pharm.D. Candidate 2016¹, Ms. Eliana Barriga, Pharm.D. Candidate 2016¹, Ms. Leila Inting, Pharm.D. Candidate 2016¹; (1)Clinical Sciences Department, Touro University California College of Pharmacy, Vallejo, CA

443. Impact of a Pharmacist-Only Clinic versus a Pharmacist-Led Multidisciplinary Clinic on Tobacco Cessation Rates in a Homeless Population.

*April Bills, PharmD. Candidate 2016*¹, Kevin Giang, PharmD. Candidate 2016¹, Sabrina La Spisa, PharmD. Candidate 2016¹, Kelsey Buckley, Pharm.D., BCACP², Laura Tsu, Pharm.D., BCPS², Nicole Early, Pharm.D.³, Mrs. Rebekah McKinley, PharmD¹; (1)Department of Pharmacy Practice, Midwestern University College of Pharmacy - Glendale, Glendale, AZ; (2)Midwestern University College of Pharmacy-Glendale, Glendale, AZ; (3)Department of Pharmacy Practice, Midwestern University, College of Pharmacy - Glendale, Glendale, AZ

444. A Pharmacist-Physician Collaboration to Optimize Benzodiazepine Use and Anxiety/Sleep Symptom Control in Primary Care.

*Shannon Furbish, PharmD Candidate 2016*¹, Katy E. Trinkley, PharmD¹, Jennifer Nelson, MS, MSW, RN², Miranda Kroehl, MS, PhD, Huong Mindy Lam, MD², Carmen Lewis, MD, MPH², Danielle Loeb, MD⁴, Zeta Chow, MD Candidate 2017²; (1)University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO; (2)University of Colorado Hospital, Aurora, CO; (3)University of Colorado Hospital

445. Recommendations of New Antihyperglycemic Agents among Pharmacists.

Mr. Caleb Wallace, Pharm.D. Candidate, Jennifer N. Clements, Pharm.D., BCPS, CDE, BCACP; Presbyterian College School of Pharmacy, Clinton, SC

446. Clinical Pharmacists in Primary Care: Provider Satisfaction and Perceived Impact on Quality of Patient Care Provided.

*Havan Truong, B.S., PharmD Candidate*¹, Miranda Kroehl, MS, PhD, Carmen Lewis, MD, MPH³, Robin Pettigrew, RN, MBA⁴, Marialice Bennett, RPh⁵, Joseph Saseen, Pharm.D.⁶, Katy E. Trinkley, PharmD⁷; (1)University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, CO; (2)University of Colorado Hospital, Aurora, CO; (3)University of Colorado Hospital, CO; (4)The Ohio State University, OH; (5)Department of Clinical Pharmacy, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO; (6)University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO

Cardiovascular

447. The use of Low Molecular Weight Heparin for venous thromboembolism prophylaxis in hospitalized medical patients: How much we are adherent to the guidelines?.

*Dr. Lamia AlHajri, Pharm.D., & B.Pharm.*¹, *Dr. Nicole Gebran, Pharm.D. & B.Pharm.*²; (1)Health Science Division, Higher Colleges of Technology - Dubai Women's College, Dubai, United Arab Emirates; (2)Pharmacy, Tawam Hospital in Affiliation with John Hopkins, AlAin, United Arab Emirates

448. Difficulties distinguishing acute decompensated heart failure (ADHF) and community-acquired pneumonia (CAP) in the outpatient setting leads to excess medication use.

*Laura R. Davis, B.S.*¹, Harleen Singh, Pharm.D.¹, Chanchal Agr, Pharm.D. Candidate 2016¹, Greg C. Larsen, M.D.², Christopher D. Pfeiffer, M.D.², Jessina C. McGregor, Ph.D.¹; (1)Oregon State University/Oregon Health & Science University College of Pharmacy, Portland, OR; (2)VA Portland Health Care System, Portland, OR

449. Chronopharmacology of valsartan and amlodipine.

*Ms. Sephorah Falzon, MPharm*¹, Mrs. Louise Grech, M.Phil², Prof. Anthony Serracino- Inglott, Pharm.D.¹, Prof. Lilian M. Azzopardi, B.Pharm (Hons), MPhil, Ph.D, MRPharmS²; (1)Department of Pharmacy, University of Malta, Msida, Malta; (2)Department of Pharmacy, Faculty of Medicine and Surgery, University of Malta, Msida, Malta

450. Revisiting niacin at the VA Portland Health Care System (VAPORHCS): are we in compliance with the guidelines?.

Matt J. Glaus, B.S.¹, Laura R. Davis, B.S.¹, Lynnette R. Klaus, Pharm.D.¹, Jessina C. McGregor, Ph.D.², Harleen Singh, Pharm.D.²; (1)VA Portland Health Care System, Portland, OR; (2)Oregon State University/Oregon Health & Science University College of Pharmacy, Portland, OR

451. Alemtuzumab Induction versus Conventional Immunosuppression in Heart Transplant Recipients.

Areerut Leelathanalerk, PharmD Candidate¹, Dr. Thammasin Ingviya, MD², Dr. Vijay Ivaturi, PhD¹, Dr. Brent N. Reed, Pharm.D., BCPS-AQ Cardiology¹; (1)Department of Pharmacy Practice and Science, University of Maryland School of Pharmacy, Baltimore, MD; (2)Bloomberg School of Public Health, The Johns Hopkins University

452. Metolazone versus Chlorothiazide in Patients with Acute Decompensated Heart Failure and Loop Diuretic Resistance.

Anthony Jiang, PharmD Candidate, Dr. Christine Puschak, PharmD, Sandeep Devabhakthuni, PharmD, BCPS-AQ Cardiology, Dr. Vijay Ivaturi, PhD, Tao Liu, PhD Candidate, Dr. Brent N. Reed, Pharm.D., BCPS-AQ Cardiology; Department of Pharmacy Practice and Science, University of Maryland School of Pharmacy, Baltimore, MD

453. Study on the Role of Clinical Pharmacist in ANTI Coagulation Clinic Towards Better Patient Care in a Tertiary Care Hospital in India.

Mr. Apollo JAMES, M.Pharm.,(Ph.D).,; Department of Pharmacy Practice, Nandha college of pharmacy and research Institute, Erode, India

Community Pharmacy Practice

454. Investigation of weight loss supplements for banned and discouraged use ingredients.

Michelle Maguire, Pharm.D. Candidate, Sara Eichner, Pharm.D. Candidate, Leticia Shea, PharmD, Matthew Fete, PhD; School of Pharmacy, Regis University, Denver, CO

Critical Care

455. A Study on Evaluation, Assessment and Awareness of Possible Risk Factors and Its Appropriate Treatment of Stroke Patients Using Nihss Scale.

Ch Pragathi, pharmD; svs hospital, clinical pharmacy department, ssrccp, nellore, India

456. The Impact of Intravenous Dopamine on Respiratory Function in Patients with Septic Shock.

Ms. Angela Yuen, PharmD Candidate; College of Pharmacy, Roseman University of Health Science, Henderson, NV

457. A Retrospective Assessment of rFVIIa to Facilitate Procedures in Critically Ill Patients with End Stage Liver Disease.

Ms. Jennifer Kwon, Pharm.D. Candidate 2016; University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO

Education/Training

458. A comparison of student perceptions of Interprofessional Education (IPE) during an accelerated pharmacy curriculum.

Blaine A. Johnson, PharmD Candidate¹, Jessica L. Miller, PharmD Candidate², Cheryl L. Hayes, PharmD, MBA, MJ, BCPS¹; (1)Roosevelt University College of Pharmacy, Schaumburg, IL; (2)St. Louis College of Pharmacy, St. Louis, MO

459. Development and Implementation of an International Pharmacy Research Project.

Ms. Shiny Parsai, M.S., Pharm.D. candidate¹, Prof. Hazel Seaba, RPh, Pharm.M.S.²; (1)University of Iowa College of Pharmacy, Iowa City, IA; (2)Department of Pharmacy Practice and Science, University of Iowa College of Pharmacy, Iowa City, IA

460. The Effect of Peer Tutoring on Learning in Pharmacy Students.

Dane Fickes, Pharm.D. Candidate Class of 2018¹, Amanda Lewis, Pharm.D. Candidate Class of 2019¹, Evelyn Becker, Pharm.D., M.S.¹, Peter Hurd, PhD²; (1)St. Louis College of Pharmacy; (2)St. Louis College of Pharmacy, St. Louis, MO

461. Determination of characteristics associated with postgraduate residency interviews of current pharmacy practice residents in 5 southwestern states.

Andrew Sam, Bachelor of Science, Biology¹, Sarah Nguyen, Bachelor of Science, Biology¹, Nicole Early, Pharm.D.², Laura Tsu, Pharm.D.³; (1)College of Pharmacy, Midwestern University, College of Pharmacy - Glendale, Glendale, AZ; (2)Department of Pharmacy Practice, Midwestern University, College of Pharmacy - Glendale, Glendale, AZ; (3)School of Pharmacy, Department of Pharmacy Practice, Chapman University, Orange, CA

462. Cross-Cultural Comparison of Pharmacy Students' Attitudes, Knowledge, Practice, and Barriers Regarding Evidence-Based Medicine.

Aya F. Ozaki, BScPhm, PharmD Candidate, Cynthia A. Jackevicius, BScPhm, PharmD, MSc, BCPS-AQ Cardiology, FCSHP, FAHA, FCCP; Western University of Health Sciences, Pomona, CA

463. Impact of a medication simulation on pharmacy students' preconceived conceptions of medication adherence.

Ms. Traiana Mangum, B.S., Dr. Diana Isaacs, PharmD, BCPS, BC-ADM, CDE, Dr. Sneha Srivastava, PharmD, BCACP, Dr. Heather Fields, PharmD, MPH, BCACP; College of Pharmacy, Chicago State University, Chicago, IL

464. The impact of a Student College of Clinical Pharmacy-led USP <797> review on technician knowledge of aseptic technique: a comparison study.

Ms. Maria Kiraly, PharmD candidate; Northeast Ohio Medical University, Roostown, OH

465. Establishment of a Student College of Clinical Pharmacy Chapter.

Brandon Martinez, PharmD¹, Isis Simon, BS², Kamarena Sankar, BS², Jennifer Steinberg, PharmD, BCPS², Sandra Benavides, PharmD, FCCP, FPPAG²; (1)Banner University Medical Center - Tucson, University of Arizona College of Pharmacy, Tucson, AZ; (2)Department of Pharmacy Practice, Nova Southeastern University College of Pharmacy, Davie, FL

466. Improving Pharmacy Student Evidence Based Medicine (EBM) Skills: Designing an Online Library EBM Resource Page as an Educational Tool.

Michael Griggs, PharmD Candidate¹, Debra Barnette, PharmD², Natalie Kupferberg, MLS, BSN³; (1)The Ohio State University, Columbus, OH; (2)Department of Pharmacy Practice, The Ohio State University, Columbus, OH; (3)Biological Sciences/Pharmacy Library, The Ohio State University, Columbus, OH

467. Women Leaders and Pharmacy Practice.

Ms. Heather Jarvis, BS, MS¹, *Isis Simon, BS²*, Sandra Benavides, Pharm.D.³; (1)College of Pharmacy, Nova Southeastern University, Davie, FL; (2)Department of Pharmacy Practice, Nova Southeastern University College of Pharmacy, Davie, FL; (3)Nova Southeastern University, College of Pharmacy, Davie, FL

468. Use of an Innovative Mini-Series Movie to Train Preceptors: Does it Work?.

Dr. Craig D Cox, PharmD¹, *Zhen Zhang, PharmD Candidate¹*, Dr. Jongpil Cheon, Ed.D²; (1)School of Pharmacy, Texas Tech University Health Sciences Center, Lubbock, TX; (2)College of Education, Texas Tech University, Lubbock, TX

469. An analysis of the international Advanced Pharmacy Practice Experiential program at the University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences.

Melissa Laub, B.S., Pharm.D. Candidate¹, Whitley Yi, B.S., Pharm.D. Candidate¹, Meghan Lynch, Pharm.D. Candidate¹, Michael Carpenter, Pharm.D. Candidate¹, Daniel Galipeau, Pharm.D. Candidate¹, Jaimee Truong, Pharm.D. Candidate¹, Kari Franson, Pharm.D., Ph.D.²; (1)University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO; (2)Department of Clinical Pharmacy, University of Colorado Skaggs School of Pharmacy, Aurora, CO

470. Development and Evaluation of a Student Chapter Research Mentoring Program.

Sheava Blackman, PharmD Candidate 2016¹, Duchess Domingo, PharmD, Sandra Benavides, PharmD, FCCP, FPPAG³; (1)Nova Southeastern University College of Pharmacy, Fort Lauderdale; (2)Department of Pharmacy Practice, Nova Southeastern University College of Pharmacy, Davie, FL

471. Changes in HIV knowledge and perceptions after an interprofessional elective course in pharmacy and dental students.

Mr. Cullen Adre, BS¹, Mr. James Clinard, BA¹, Mr. Ernesto Perez, BS¹, Ms. Navene Shata, AA¹, Dr. Jennifer Thomas, PharmD¹, Dr. Mark Schweizer, DDS², Dr. Elizabeth Shepherd, PharmD¹, Joshua Caballero, PharmD³;

(1)College of Pharmacy, Nova Southeastern University, Davie, FL; (2)College of Dentistry, Nova Southeastern University, Davie, FL; (3)Nova Southeastern University, College of Pharmacy, Davie, FL

472. Ineluctable determinants of pharmacy residency match rates.

*Valerie Llerena, B.S.*¹, Brandon Martinez, PharmD², Patrick Hardigan, PhD³, Dr. Sandra Benavides, Pharm D⁴, Kevin Clauson, PharmD⁵, Joshua Caballero, PharmD⁶; (1)College of Pharmacy, Nova Southeastern University, Fort Lauderdale, FL; (2)Banner University Medical Center - Tucson, University of Arizona College of Pharmacy, Tucson, AZ; (3)Health Professions Division, Nova Southeastern University, Fort Lauderdale, FL; (4)Nova Southeastern University, FL; (5)College of Pharmacy, Lipscomb University, Nashville, TN; (6)Nova Southeastern University, College of Pharmacy, Davie, FL

Emergency Medicine

473. Patient compliance to filling discharge medication prescriptions from the emergency department.

*Mr. Brian Farris, BS*¹, Dr. Gabrielle Jacknin, PharmD², Dr. Ty Kiser, PharmD, Dr. Courtney Shakowski, PharmD, Dr. Scott Mueller, PharmD; (1)Pharmacy, University of Colorado Hospital, Denver, CO; (2)University of Colorado Hospital

474. Case report series and review of dabigatran etexilate reversal using 4-factor prothrombin complex concentrate.

Nayma Moya Romero, PharmD candidate, Veronica Nunez, PharmD candidate, Justin Presutto, PharmD candidate, Kathryn Samai, PharmD., BCPS; School of Pharmacy, LECOM Bradenton School of Pharmacy, Bradenton, FL

Endocrinology

475. Estimation of cardiovascular risk in type 2 diabetic patients at a North-eastern Indian tertiary care facility.

*Ms. Shruti Mishra, m.pharm*¹, Dr. . Mangala Lahkar, MD²; (1)Pharmacy practice, National Institute of Pharmaceutical Education and Research, guwahati; (2)Department of Pharmacology, National Institute of Pharmaceutical Education and Research (NIPER), Guwahati, India., guwahati

476. Effects and safety of canagliflozin in the treatment of type 2 diabetes mellitus: a systematic review and meta - analysis.

*Ms. Shuai Zhang, Master Candidate*¹, *Prof. Guoying Cao, MD*²; (1)Department of Pharmacy Administration and Clinical Pharmacy, School of Pharmaceutical Sciences, Peking University; (2)Department of Pharmacy, Beijing Hospital, Beijing, China

477. Prescribing patterns for canagliflozin (Invokana) in a specialty endocrinology group practice: Patient characteristics and outcomes.

*Haley Kessinger, PharmD Candidate 2016*¹, June Johnson, B.S., PharmD², Rahul Parsa, Ph.D³, John Message, PharmD⁴; (1)College of Pharmacy and Health Sciences, Drake University College of Pharmacy and Health Sciences, Des Moines, IA; (2)Clinical Sciences, Drake University College of Pharmacy and Health Sciences, Des Moines, IA; (3)Department of Actuarial Sciences and Statistics, Drake University College of Business and Public Administration, Des Moines, IA; (4)Department of Pharmacy, VA Central Iowa Health Care System, Des Moines, IA

Gastroenterology

478. Assessment of biological agents in the treatment regimen of moderate to severe Crohn's disease.

*Ngoc-Anh Chau, Pharm.D. candidate*¹, Deandra Romero, B.S., Pharm.D. candidate¹, Priya Toolsie, B.S., M.S., Pharm.D. candidate¹, Jiny Jimmy, B.S., Pharm.D. candidate¹, Barry A. Bleidt, Ph.D., Pharm.D.²; (1)College of Pharmacy, Nova Southeastern University, Fort Lauderdale, FL; (2)Sociobehavioral and Administrative Pharmacy Department, College of Pharmacy, Nova Southeastern University, Fort Lauderdale, FL

479. Vancomycin dosing considerations in patients with liver cirrhosis.

*William Ross, PharmD Candidate 2016, B.S. in Mathematics*¹, Jennifer Brown, PharmD Candidate 2016, B.S. in Chemistry¹, Katherine Guido, PharmD Candidate 2016¹, Dr. Branden Nemecek, Doctor of Pharmacy², Dr. Anthony Guarascio, Doctor of Pharmacy³; (1)Mylan School of Pharmacy, Duquesne University; (2)Department of Clinical, Social, and Administrative Sciences, Mylan School of Pharmacy at Duquesne University, Pittsburgh, PA; (3)Mylan School of Pharmacy at Duquesne University

Health Services Research

480. Comprehensive Medication Management: Assessment of Current Status in Southern California Findings from the 2015 Environmental Scan.

Ashley Butler, pharmacy student¹, Steven Chen, PharmD, FASHP, FCSHP²; (1)College of Pharmacy, School of Public Health, Touro University California, CA; (2)School of Pharmacy, University of Southern California, Los Angeles, CA

481. Solutions models for poor medication access in the Dominican Republic.

Ms. Diana Pei, Pharm. D. candidate¹, Ms. Kristi Higgins, Pharm D candidate², Megha Trivedi, Pharm D candidate², Dr. Emily Peron, Pharm.D., MS², Dr. Mark Ryan, MD³; (1)School of Pharmacy, Virginia Commonwealth University, Richmond; (2)School of Pharmacy, Virginia Commonwealth University, Richmond, VA; (3)School of Medicine, Virginia Commonwealth University, Richmond, VA

482. Development of an integrated and evidence-based treatment algorithm to standardize the collaborative drug therapy evaluation and management (DrugTEAM) service for chronic kidney disease patients.

Heejin Na, B.S.¹, Nayoung Han, Ph.D¹, Sohyun Jeong, M.S.¹, Hyoyoung Park, M.S.¹, Minji Sohn, M.S.¹, Kiyon Rhew, Pharm.D.², Euni Lee, Ph.D¹, Hyunah Kim, Pharm.D.³, Prof. Jung-Mi Oh, Pharm.D.¹; (1)College of Pharmacy, Seoul National University, Seoul, South Korea; (2)College of Pharmacy, Dongduk Women's University, Seoul, South Korea; (3)College of Pharmacy, Sookmyung Women's University, Seoul, South Korea

Hematology/Anticoagulation

483. Pharmacodynamic Monitoring of Mycophenolic Acid in Allogeneic Nonmyeloablative Hematopoietic Cell Transplantation.

Deeter Neumann, BS, Kinjal Sanghavi, M.Pharm, Anthony Wiseman, MD, Pamala Jacobson, PharmD; The Department of Experimental and Clinical Pharmacology, University of Minnesota College of Pharmacy, Minneapolis, MN

Herbal/Complementary Medicine

484. Naturopathic Medicine and Pharmacy: A Unique Interprofessional Clinic with Emphasis on Mental Health.

Ms. Sharanjit Kaur, PharmD Candidate 2016¹, Ms. Sarah Hansen, PharmD Candidate 2016¹, Dr. Benjamin Chavez, PharmD¹, Dr. Irina Gelman, PsyD²; (1)School of Pharmacy, Pacific University Oregon School of Pharmacy, Hillsboro, OR; (2)School of Professional Psychology, Pacific University Oregon School of Professional Psychology, Hillsboro, OR

485. Efficacy of ginger (*Zingiber Officinale*) in chemotherapy-induced nausea and vomiting.

Mrs. Nabila Valles, Pharm.D. Candidate¹, Ms. Vivianette Bajandas, Pharm.D. Candidate¹, Ms. Nahirony Sanchez, Pharm.D. Candidate¹, Ms. Camille Lorenzo, Pharm.D. Candidate¹, Ms. Emyd Salinas, Pharm.D. Candidate¹, Ms. Yirelia Alejandro, Pharm.D. Candidate¹, Mrs. Julie Marin, Pharm.D.¹, Ms. Blanca Ortiz, BSPH, Pharm.D.¹, Mrs. Meileen Ortega, MD; (1)College of Pharmacy, Nova Southeastern University, San Juan, PR

HIV/AIDS

486. Evaluation of Appropriate Statin Therapy in HIV-infected Patients in the Southeast.

Katelyn Parrish, Pharm.D.¹, Celeste Caulder, PharmD², Melanie McDonald, Pharm.D. Candidate³, Elizabeth Rogers, Pharm.D. Candidate³, E. Kelly Hester, PharmD, BCPS, AAHIVP¹; (1)Auburn University Harrison School of Pharmacy, Auburn, AL; (2)South Carolina College of Pharmacy, University of South Carolina, Columbia, SC; (3)South Carolina College of Pharmacy, Columbia, SC

487. Impact of Clinical Pharmacist Intervention on Error Rates of Antiretroviral and Opportunistic Infection Medications in the Inpatient Setting.

Mark Biagi, PharmD Candidate¹, John Littler, PharmD Candidate¹, Dr. Benjamin Hammer, PharmD², Dr. Thomas Chiampas, PharmD¹, Dr. Melissa E. Badowski, PharmD¹; (1)University of Illinois at Chicago College of Pharmacy, Chicago, IL; (2)University of Maryland School of Pharmacy

488. Provision of HIV Services and Medications in Illinois County Jails.

John Littler, PharmD Candidate¹, Mark Biagi, PharmD Candidate¹, Pyrai Vaughn, MA², Dr. Mahesh Patel, MD², Dr. Jeremy Young, MD, MPH², Dr. Melissa E. Badowski, PharmD¹; (1)University of Illinois at Chicago College of Pharmacy, Chicago, IL; (2)University of Illinois at Chicago, College of Medicine

Infectious Diseases

489. Comparison of vancomycin dosing methods: Troughs of 15 mg/L may not be necessary to achieve a target AUC:MIC of 400.

Erin McCreary, Pharm.D. Candidate¹, Dr. Kurt Wargo, Pharm.D., BCPS-AQ ID²; (1)Auburn University Harrison School of Pharmacy, AL; (2)Auburn University Harrison School of Pharmacy, AL

490. Meropenem utilization before and after the implementation of a Best Practice Advisory de-escalation reminder at 72 hours of use.

Kristina Stemple, Pharm.D. Candidate, Lisa Keller, Pharm.D., BCPS; WVU Healthcare

491. Pharmacodynamics of Polymyxin B and Meropenem Combinations Against *Klebsiella pneumoniae* Carbapenemase (KPC)-producing *K. pneumoniae*.

Kezia T. Gravesande, PharmD Candidate¹, Michael J. Satlin, MD², Patricia N. Holden, BS¹, Brian T. Tsuji, PharmD¹; (1)Laboratory for Antimicrobial Pharmacodynamics, University at Buffalo School of Pharmacy and Pharmaceutical Sciences, Buffalo, NY; (2)Department of Medicine, Weill Cornell Medical College, New York, NY

492. The Interplay of Antibiotic Resistance and Virulence Attenuation in *Acinetobacter baumannii*: Profiling Alterations in Pathogenicity in Response to Antibiotic Pressure Over 14 Days.

Sarah Spitznogle, PharmD Candidate¹, Patricia N. Holden, BS², Brian T. Tsuji, PharmD²; (1)University at Buffalo School of Pharmacy and Pharmaceutical Sciences, Buffalo, NY; (2)Laboratory for Antimicrobial Pharmacodynamics, University at Buffalo School of Pharmacy and Pharmaceutical Sciences, Buffalo, NY

493. An antimicrobial stewardship program's focus on levofloxacin utilization: comparing prospective audits, laboratory suppression of levofloxacin, & formulary restriction.

Alison Le, Pharm.D. Student¹, Liem Hoang, Pharm.D. Student¹, Susan Lee, Pharm.D. Student¹, Jennifer Kang, Pharm.D. Student¹, Crystal Lestari, Pharm.D. Student¹, Lee Nguyen, Pharm.D.²; (1)School of Pharmacy, Loma Linda University, Loma Linda, CA; (2)St. Jude Medical Center

494. Evaluation of tigecycline and its role in mortality.

Jane J. Kim, Pharm.D. Candidate¹, Jeffrey Barletta, Pharm.D.¹, Scott Hall, Pharm.D.², Chad VanDenBerg, Pharm.D.¹, Vanthida Huang, Pharm.D.¹; (1)Department of Pharmacy Practice, Midwestern University College of Pharmacy-Glendale, Glendale, AZ; (2)HonorHealth John C. Lincoln Medical Center, Phoenix, AZ

495. Invasive Fungal Disease in Acute Leukemia: Single Center Retrospective Study.

James England, M.D.¹, *Sahar Torabi, B.S., Pharm.D. Candidate²*, Gowri Satyanarayana, M.D.³; (1)Department of Medicine, Vanderbilt University Medical Center, Nashville, TN; (2)Lipscomb University College of Pharmacy, Nashville, TN; (3)Division of Infectious Diseases, Vanderbilt University Medical Center, Nashville, TN

496. Comparative Pharmacodynamics of Imipenem, Doripenem, Meropenem, and Ertapenem in Combination with Polymyxin B Against Carbapenem-Resistant *Acinetobacter baumannii*.

Jonathan Gall, PharmD candidate¹, Justin Lenhard, PharmD Candidate¹, Patricia N. Holden, BS², Brian T. Tsuji, PharmD²; (1)University at Buffalo School of Pharmacy and Pharmaceutical Sciences, Buffalo, NY; (2)Laboratory for Antimicrobial Pharmacodynamics, University at Buffalo School of Pharmacy and Pharmaceutical Sciences, Buffalo, NY

497. Therapy Use and Guideline-Concordance among a National Cohort of *Clostridium difficile* Infection Patients with and without Cancer.

Courtney Ritchey, Pharm.D. Candidate 2016¹, Tanner Moser, Pharm.D. Candidate 2016¹, Kelly Reveles, Pharm.D., Ph.D.²; (1)College of Pharmacy, The University of Texas at Austin, TX; (2)College of Pharmacy, The University of Texas at Austin, San Antonio, TX

498. Evaluation of appropriateness of vaccination procedures of the 13-valent pneumococcal conjugate vaccine and the 23-valent pneumococcal polysaccharide vaccine in a hospital setting.

Ms. Paige Coleman, B.S. Chemistry, B.A. Biology, and PharmD Candidate¹, Mr. Matthew Sears, B.S. Molecular Biology and PharmD Candidate², Ms. Sabina Vaichys, PharmD Candidate², Dr. Branden Nemecek, Doctor of Pharmacy³, Dr. Anthony Guarascio, Doctor of Pharmacy²; (1)School of Pharmacy, Mylan School of Pharmacy at

Duquesne University, PA; (2)Mylan School of Pharmacy at Duquesne University; (3)Department of Clinical, Social, and Administrative Sciences, Mylan School of Pharmacy at Duquesne University, Pittsburgh, PA

499. Hospital Value-Based Purchasing Impact on the Infectious Disease Pharmacist Specialist.

Kamarena Sankar, BS¹, Sandra Benavides, Pharm.D.²; (1)Department of Pharmacy Practice, Nova Southeastern University College of Pharmacy, Davie, FL; (2)Nova Southeastern University, College of Pharmacy, Davie, FL

500. Effect of Statin Therapy in Staphylococcus aureus Bacteremia.

Joanna Wu, Pharm.D. Candidate¹, Emi Minejima, Pharm.D.¹, Chong Fang, Pharm.D. Candidate¹, Daniel Salas, Pharm.D.², Joshua Wang, Pharm.D.¹, Kristy Trinh, B.A.¹, Rosemary She, M.D.³, Annie Wong-Beringer, Pharm.D.¹; (1)School of Pharmacy, University of Southern California, Los Angeles, CA; (2)Huntington Hospital, Pasadena, CA; (3)School of Medicine, University of Southern California, Los Angeles, CA

501. An evaluation of Therapeutic Drug Monitoring in Patients taking Voriconazole or Posaconazole.

Whitley Yi, B.S., Pharm.D. Candidate¹, Dr. Kelly Schoeppler, PharmD², Dr. Scott Mueller, PharmD³, Dr. Robert MacLaren, PharmD³, Dr. Douglas Fish, PharmD³, Dr. Tyree Kiser, PharmD³; (1)University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO; (2)Department of Pharmacy, University of Colorado Hospital, Aurora, CO; (3)Department of Clinical Pharmacy, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO

502. *Brevundimonas vesicularis* pneumonia post equestrian injuries: a culture confirmed case report.

Jane J. Kim, Pharm.D. Candidate¹, Jeffrey Barletta, Pharm.D.¹, Leslie B. Robinson, M.D.², Alicia Mangram, M.D.², Joseph F. Sucher, M.D.², Scott Hall, Pharm.D.², Vanthida Huang, Pharm.D.¹; (1)Department of Pharmacy Practice, Midwestern University College of Pharmacy-Glendale, Glendale, AZ; (2)HonorHealth John C. Lincoln Medical Center, Phoenix, AZ

503. Case-control evaluation of risk factors associated with hepatitis C testing in a correctional facility.

Kaitlyn Craddock, Pharm. D. Candidate Class of 2016, Nicolette Duong, Pharm. D. Candidate Class of 2017; St. Louis College of Pharmacy, St. Louis College of Pharmacy, St. Louis, MO

Managed Care

504. Strategies for Medication Management Services (MMS) within Value-based Health Plans.

Mr. Brody McConnell, B.S.¹, Dr. Marie Smith, Pharm.D.²; (1)School of Pharmacy, University of Connecticut, Storrs, CT; (2)Department of Pharmacy Practice, University of Connecticut, Storrs, CT

505. Evaluation of the Oral Anticoagulant Prior Authorization Policy in the Oregon Medicaid Program.

Dr. Megan Herink, PharmD¹, Kathleen Ketchum, M.P.A. H.A.², Amanda Tobias, 2016 Pharm.D. Candidate¹, Megan Carroll, 2016 Pharm.D. Candidate¹; (1)College of Pharmacy, Oregon State University/Oregon Health & Science University, Portland, OR; (2)College of Pharmacy, Oregon State University/Oregon Health & Science University, Corvallis, OR

Medication Safety

506. Prevalence and Effects of Potentially Inappropriate Medication Ordering for Drugs with Sedative Effects in Acute Geriatric Inpatient Care using Electronic Health Records.

Mr. Collin Z Yu, Bachelor of Science¹, Dr. Calvin D Newman, Doctor of Medicine², Ms. Linda L Brisbane, Bachelor of Science², Dr. Matthew D Zak, Doctor of Pharmacy², Dr. Lisa A Nelson, Doctor of Pharmacy²; (1)School of Pharmacy, University of California at San Francisco, San Francisco, CA; (2)Department of Pharmacy, University of Rochester Medical Center, Rochester, NY

Nephrology

507. Comparison of the effectiveness of equal doses of short and long-acting erythrocyte stimulating agents for managing anemia in chronic kidney disease adult patients.

Mr. Khalifah Alkhamees, Pharm.D Student¹, Dr. Abdulmalik Alkatheri, Associate Professor/Dean², Dr. Abdelkareem Albekairy, Associate Professor/ Associate Dean², Mr. Yousef Al-Rajhi, Associate Clinical Pharmacist², Dr. Shamyhan Al-Harbi, Assistant Professor², Prof. Mahmoud Mansour, Professor³; (1)College of Pharmacy - Pharmaceutical Science Department, King Saud bin Abdulaziz for Health Sciences, Al-Riyadh, Saudi Arabia; (2)College of Pharmacy- Pharmacy Practice Department, King Saud bin Abdulaziz for Health Sciences, Al-Riyadh,

Saudi Arabia; (3)College of Pharmacy- Pharmaceutical Science Department, King Saud bin Abdulaziz for Health Sciences, Al-Riyadh, Saudi Arabia

508. Prospective Review of Interventions Resulting from Student Pharmacist Medication Reviews in Hemodialysis Patients.

*Nicholas Patricia, Pharm.D. Candidate*¹, Edward Foote, Pharm.D.²; (1)School of Pharmacy, Wilkes University, Wilkes-Barre, PA; (2)School of Pharmacy, Department of Pharmacy Practice, Wilkes University, Wilkes-Barre, PA

Neurology

509. The Impact of Previous Use of Anti Platelet Agents on Hemorrhagic Transformation in Acute Ischemic Stroke Post-Thrombolytic Therapy.

Mahboubah Mashayekhi, pharmD candidate¹, Susan Huynh, pharmD candidate¹, Alana Whittaker, Pharm.D., BCPS², Mark Decerbo, PharmD³, *Joseph McCoy, PharmD*¹; (1)College of Pharmacy, Roseman University of Health Science, Henderson, NV; (2)College of Pharmacy, Roseman University of Health Sciences, Henderson, NV; (3)Roseman University of Health Sciences

Nutrition

510. Attenuation of Cellular Injury by Eicosapentaenoic Acid and Docosahexaenoic Acid.

Emma M. Tillman, Pharm.D., Ph.D.¹, *Merrion Buckley, BS*², Peihong Guan, B.S.¹, Dr. Paige Klingborg, MD³; (1)University of Tennessee Health Science Center College of Pharmacy, Memphis, TN; (2)College of Pharmacy, University of Tennessee Health Science Center, Memphis, TN; (3)University of Tennessee Health Science Center, Memphis, TN

511. Dietary Practices in Cardiac Patients.

Ms. Francesca Attard Baldacchino, BSc Pharmaceutical Sciences (Hons), Masters in Pharmacy, Prof. Lilian M. Azzopardi, B.Pharm.(Hons.), M.Phil., Ph.D., MRPharmS, Prof. Anthony Serracino-Inglott, B.Pharm., Pharm.D.(Cinc.), M.A.C.C.P., M.R.Pharm.S.; Department of Pharmacy, University of Malta, Msida, Malta

Oncology

512. Molecular Modeling Studies on the Tetrasaccharide Linker of Proteoglycans.

Ms. Cathy Ng, B.S., Pharm.D. Candidate, Dr. Padmavathy Nandha Premnath, Ph.D., Dr. Olgun Guvench, M.D., Ph.D.,; Department of Pharmaceutical Sciences, College of Pharmacy, University of New England, Portland, ME

513. The Assessment of Health Related Quality of Life of Geriatric Cancer Outpatients in Jose R.Reyes Memorial Medical Center.

Ms. Jolina Mae Borlagdan, Student in BS Pharmacy, School of Pharmacy, Emilio Aguinaldo College, Las Pinas City

514. Assessment of Adherence to Oral Chemotherapy in Oncology and Hematology Clinical Trials at an Academic Medical Center.

*Jeff Engle, PharmD Candidate*¹, Anne Traynor, MD², Toby Campbell, MD², Kari Wisinski, MD², Noelle Loconte, MD², Glenn Lui, MD², George Wilding, MD², Jill Kolesar, PharmD¹; (1)School of Pharmacy, University of Wisconsin - Madison, Madison, WI; (2)Department of Medicine, University of Wisconsin - Madison, Madison, WI

515. A Review of Concomitant Statin and Bacillus Calmette–Guérin (BCG) Use Among Patients Treated for Bladder Carcinoma In Situ.

Mr. Daniel Basoff, PharmD Candidate, Mr. Shivam Patel, PharmD Candidate; Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, Piscataway, NJ

Other

516. Patient Perspectives on the Introduction of an Electronic Identification System in a Rural Primary Care Health Center in Honduras.

*Judy Ugwuegbu, PharmD Candidate, 2015*¹, Lauren J. Jonkman, PharmD, MPH, BCPS¹, Sharon E. Connor, PharmD¹, Mark Meyer, MD², Gerald Douglas, PhD³; (1)School of Pharmacy, University of Pittsburgh, Pittsburgh, PA; (2)University of Pittsburgh Medical Center, Pittsburgh, PA; (3)Center for Health Informatics for the Underserved, University of Pittsburgh, PA

517. Evaluating the Impact of Brown Bag Medication Reviews on the Understanding and Adherence to Medication Therapy of Geriatric Patients in a Community Setting.

Abdul Ghorbandi, Pharm.D./M.B.A Candidate Class of 2016, Lesley Mukai, Pharm.D./M.B.A Candidate Class of 2016, Christina M. Madison, Pharm.D., BCACP, AAHIVP, Renee Holder, PharmD, BCPS; Roseman University of Health Sciences College of Pharmacy, Henderson, NV

518. Quality of Transitions of Care in a COPD Cohort Prior to and Following Implementation of a Pharmacy Extender Model.

Sarah Hendrick, Pharm.D. Candidate¹, Stephen Luciano, Pharm.D. Candidate¹, Nancy Nystrom, PhD, RPh², Leslie Ochs, Pharm.D., PhD, MSPH, BCPS³, Lisa Wendler, Pharm.D., BCPS⁴; (1)College of Pharmacy, University of New England, Portland, ME; (2)Medication Transitions Pharmacy, Maine Medical Center, Portland, ME; (3)Department of Pharmacy Practice, College of Pharmacy, University of New England, Portland, ME; (4)Adult Medicine Clinical Pharmacy, Maine Medical Center, Portland, ME

519. Knowledge and Perceptions of Health Literacy among Pharmacists in Ohio.

Desiree Haisley, PharmD Candidate¹, Karissa Y. Kim, Pharm.D., CACP, BCPS²; (1)College of Pharmacy, University of Cincinnati, Cincinnati, OH; (2)University of Cincinnati James L. Winkle College of Pharmacy, Cincinnati, OH

520. The Effect of Interprofessional Education on Collaborative Practice Innovation.

Mr. Shivam Patel, PharmD Candidate¹, Dr. Rolee Das, Pharm.D., BCPS¹, Mr. Daniel Basoff, PharmD Candidate¹, Mr. Mathew Sabu, PharmD Candidate¹, Ms. Angelique Pereira, Pharm.D. candidate¹, Ms. Belinda Shao, MD Candidate²; (1)Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, Piscataway, NJ; (2)New Jersey Medical School, Rutgers, The State University of New Jersey, Newark, NJ

521. Novel Spectral Analysis to Determine Accuracy of Extemporaneously Compounded Pharmaceuticals.

Ms. Jihye Hoe, PharmD Candidate¹, Dr. Jason Evans, PharmD², Dr. Rosanne Thurman, PharmD², Lisa Ashworth, BS³, Prof. Richard Leff, PharmD¹, Prof. Claudia Meek, PhD¹; (1)Clinical Pharmacology & Experimental Therapeutics Center, Texas Tech University Health Sciences Center, Dallas, TX; (2)Pharmacy, Childrens Health System of Texas, Ft. Worth, TX; (3)Pharmacy, Childrens Medical Center of Dallas, Dallas, TX

522. The role of pharmacy students in the interprofessional care of immigrant, refugee, and underserved clients.

Jovanna Casas, Pharm.D. Candidate 2016¹, Sarah Lindstrom, Pharm.D. Candidate 2016¹, Kayla Grzybowski, Pharm.D. Candidate 2016¹, Chanchal Agr, Pharm.D. Candidate 2016¹, Kate Unterberger, Pharm.D. Candidate 2016¹, Sarah Louie, Pharm.D. Candidate 2016¹, Satta Jivagunchainan, Pharm.D. Candidate 2016¹, Hieu Nguyen, Pharm.D. Candidate 2016¹, Valerie Palmer, Ph.D.², Jessina C. McGregor, Ph.D.¹, Harleen Singh, Pharm.D.¹; (1)Oregon State University/Oregon Health & Science University College of Pharmacy, Portland, OR; (2)Oregon Health & Science University

523. Comparison of Medication Prescribing Patterns Between United States (U.S.) and Dominican Prescribers on Medical Mission Trips to the Dominican Republic.

Ciera L. Patzke, B.S., Gina M. Prescott, Pharm.D., BCPS, William A. Prescott Jr., Pharm.D., Peter M. Brody Jr., B.S., Pharm.D.; School of Pharmacy and Pharmaceutical Sciences, University at Buffalo, Buffalo, NY

Pain Management/Analgesia

524. Impact of liposomal bupivacaine in orthopedic total joint arthroplasty.

Bert Matsuo, Pharm.D. Candidate¹, LaTasha Riddick, Pharm.D.¹, Laura Ota, Pharm.D.¹, Chieko Kimata, Ph.D., M.P.H., M.B.A.², Joy Matsuyama, Pharm.D.¹, Kenneth Martin, P.A.³, Cass Nakasone, M.D.³; (1)Inpatient Pharmacy, Straub Clinic and Hospital, Honolulu, HI; (2)Hawaii Pacific Health, Honolulu, HI; (3)Orthopedics, Straub Clinic and Hospital, Honolulu, HI

525. Patient-controlled analgesia in post-caesarian section.

Ms. Deborah Mangion, Bachelor of Science (Honours) in Pharmaceutical Science¹, Ms. Janis Vella, B. Pharm, MSc (Clinical Pharmacy)², Prof. Lilian M. Azzopardi, B.Pharm (Hons), MPhil, Ph.D, MRPharmS¹, Prof. Anthony Serracino-Inglott, BPharm, PharmD (Cinc.), MACCP, MRPharmS¹; (1)Department of Pharmacy, Faculty of Medicine and Surgery, University of Malta, Msida, Malta; (2)Department of Pharmacy, University of Malta, Msida, Malta

Pediatrics

526. Evaluation of ipratropium use in pediatric patients <2 years of age in a large academic medical center.
Lauren Dombrowski, BS, PharmD candidate, Lisa Biondo, PharmD; School of Pharmacy, West Virginia University, Morgantown, WV

527. Caregiver priorities regarding pharmacological treatment of their child's attention-deficit/hyperactivity disorder.
*Vy Nguyen, PharmD Candidate*¹, Melissa Ross, MA², Susan dosReis, PhD²; (1)University of Maryland School of Pharmacy, Baltimore, MD; (2)Department of Pharmaceutical Health Services Research, University of Maryland School of Pharmacy, Baltimore, MD

528. "One Click Stewardship" – Implementing Antibiotic Indications as an Extension of a Pediatric Antimicrobial Stewardship Program.
*Stacey Matsuda, PharmD candidate 2016*¹, Sarah K. Parker, MD², Amanda L. Hurst, PharmD¹; (1)Department of Pharmacy, Children's Hospital Colorado, Aurora, CO; (2)Department of Pediatrics, Division of Pediatric Infectious Diseases, Children's Hospital Colorado, Aurora, CO

529. Pediatrics quality metrics for pharmacists in acute and ambulatory care settings.
*Ms. Jessica Phyu, Bachelors of Science*¹, Ms. Erin Scarpinato, Bachelors of Science¹, Dr. Sandra Benavides, Pharm D²; (1)Nova Southeastern University; (2)Nova Southeastern University, FL

530. Evaluation of current vancomycin dosing strategies in the neonatal population: A retrospective study.
*Christine Tafoya, PharmD Candidate*¹, Christopher Zhu, PharmD Candidate¹, Jean-Paul Lee, PharmD Candidate¹, Eric Hoie, PharmD¹, James D. Bramble, PhD, MPH¹, Tatiane Cooper, MS, RPh²; (1)School of Pharmacy and Health Professions, Creighton University, Omaha, NE; (2)St. Joseph's Hospital and Medical Center, Phoenix, AZ

531. Oculogyric crisis with the use of prochlorperazine in a pediatric patient.
*Mrs. Samantha Lewis, PharmD Candidate*¹, Dr. Chasity Shelton, PharmD²; (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

Pharmacoeconomics/Outcomes

532. Cyclosporine is Not the drug of choice for renal transplanted patients and increases the risk of cardiovascular and cerebrovascular accidents.
Ms. Javeria Fazal, Pharm D, Currently doing MS; Department of Pharmacy., Unversita' della Calabria, Cosenza, Italy., Italy

533. The cost of treating cancer patients with antineoplastic medications during inpatient hospital admission.
*Alexandra Foster, Pharm.D. Candidate*¹, David Reeves, Pharm.D., BCOP²; (1)College of Pharmacy and Health Sciences, Butler University; (2)St.Vincent Indianapolis Hospital and College of Pharmacy and Health Sciences, Butler University

534. A cost-savings analysis of a pharmacy internship program in a hospital inpatient setting.
Lana Al-Omar, Pharm.D. Candidate, *Daniel Galipeau, Pharm.D. Candidate*, Kristi Smith, Pharm.D. Candidate, Michelle Sugden, Pharm.D. Candidate, Kristi Bronkan, Pharm.D., BCPS, Corrie Vasilopoulos, Pharm.D., BCPS; Denver Health Medical Center

Pharmacogenomics/Pharmacogenetics

535. Genetic polymorphisms of the metabolic folate-methotrexate pathway are associated with survival rate of Mexican children with ALL.
*Fausto Zaruma-Torres, Pharm D, MSc*¹, Ismael Lares-Asseff, MD, PhD², Aarón Reyes-Espinoza, MD³, Verónica Loera-Castañeda, MD, PhD², Horacio Almanza-Reyes, PhD⁴, José Salas-Pacheco, PhD⁵, María Cristina Arias-Peláez, PharmD⁶; (1)School of Biochemistry and Pharmacy, Universidad de Cuenca, Ecuador, Cuenca, Ecuador; (2)Academy of Applied Genomics, National Polytechnic Institute of Mexico, CIIDIR, Durango, Dgo, Mexico; (3)Onco-hematology Pediatric Unit, State Cancer Center, Durango Mexico, Durango, Dgo, Mexico; (4)Faculty of Medicina and Psychology, Universidad Autónoma de Baja California, Tijuana, Mexico; (5)Instituto de Investigación Científica, Universidad Juárez del Estado de Durango, Durango, Dgo, Mexico; (6)Departamento de Fisiología, Instituto de Investigaciones Científicas, Universidad Juárez del Estado de Durango, Durango, Dgo, Mexico

536. Association between catechol-O-methyltransferase (COMT) Val/Met genotype and smoking cessation: A meta-analysis.
Prof. Hye Duck Choi, Ph.D.; Yeungnam University, South Korea
537. Effects of CYP2D6 genetic polymorphisms on the pharmacokinetics of tramadol and its active metabolite.
Ms. Hye-Jin Lim, B.S., Mr. Dong-Hyun Kim, B.S., Mr. Young-Hoon Kim, B.S., Mr. Se-Hyung Kim, Ph.D.Candidate, Ms. Ji-Yeong Byeon, B.S., Seok-Yong Lee, Ph.D.; School of Pharmacy, Sungkyunkwan University, Suwon, South Korea
538. Effects of CYP2C9*13 allele on the pharmacokinetics of irbesartan.
Ms. Hye-Jin Lim, B.S., Mr. Dong-Hyun Kim, B.S., Ms. Ji-Yeong Byeon, B.S., Mr. Young-Hoon Kim, B.S., Mr. Se-Hyung Kim, Ph.D.Candidate; School of Pharmacy, Sungkyunkwan University, Suwon, South Korea
539. CYP2C9 genetic polymorphisms significantly affected the pharmacokinetics of flurbiprofen in healthy Korean subjects.
Ms. Hye-Jin Lim, B.S., Mr. Dong-Hyun Kim, B.S., Ms. Ji-Yeong Byeon, B.S., Mr. Young-Hoon Kim, B.S., Mr. Se-Hyung Kim, Ph.D.Candidate; School of Pharmacy, Sungkyunkwan University, Suwon, South Korea
540. Metabolism of lornoxicam in relation to CYP2C9 genotype status.
Mr. Dong-Hyun Kim, B.S., Ms. Hye-Jin Lim, B.S., Ms. Ji-Yeong Byeon, B.S., Mr. Young-Hoon Kim, B.S., Mr. Se-Hyung Kim, Ph.D.Candidate; School of Pharmacy, Sungkyunkwan University, Suwon, South Korea
541. Effect of CYP2D6*10 allele on the pharmacokinetic parameters of multiple-dose metoclopramide.
Mr. Dong-Hyun Kim, B.S., Ms. Hye-Jin Lim, B.S., Ms. Ji-Yeong Byeon, B.S., Mr. Young-Hoon Kim, B.S., Mr. Se-Hyung Kim, Ph.D.Candidate, Prof. In-Su Kim, Ph.D.; School of Pharmacy, Sungkyunkwan University, Suwon, South Korea
542. Pharmacokinetics of atomoxetine after administration of paroxetine in relation to CYP2D6 genotype status.
Mr. Dong-Hyun Kim, B.S., Ms. Hye-Jin Lim, B.S., Ms. Ji-Yeong Byeon, B.S., Mr. Young-Hoon Kim, B.S., Mr. Se-Hyung Kim, Ph.D.Candidate; School of Pharmacy, Sungkyunkwan University, Suwon, South Korea
543. Evaluation of Col6A1, Col6A3, SH2B3, and PHACTR1 gene polymorphisms in acute coronary syndrome and control groups.
Ms. Katherine Lemming, PharmD Candidate, Dr. Robert Kidd, Pharm.D., Ph.D., Dr. Arthur Harralson, Pharm.D., BCPS, Dr. Marcia Brackbill, Pharm.D., BCPS, Dr. Jennifer Bryant, Ph.D.; Bernard J. Dunn School of Pharmacy, Shenandoah University, Winchester, VA

Pharmacokinetics/Pharmacodynamics/Drug Metabolism/Drug Delivery

544. Vancomycin: An Evaluation of Trough Monitoring and Methods of Determining a Starting Dose.
Umima Baig, MEd¹, Mara Poulakos, PharmD², Dan Brown, PharmD¹, Dr. Jamie Fairclough, MPH, PhD, MSPHarm¹; (1)Palm Beach Atlantic University, Lloyd L. Gregory School of Pharmacy, West Palm Beach, FL; (2)Palm Beach Atlantic University, LLOYD L. Gregory School of Pharmacy, West Palm Beach, FL
545. Delivery of Poorly Water-soluble Drugs Using Thermosensitive PLGA-b-PEG-b-PLGA Hydrogels.
Matt McKenzie, Pharmacy Student¹, David Betts III, Pharmacy Student¹, Amy Suh, Pharmacy Student¹, Kathryn Bui, Pharmacy Student¹, Abbey Jin, Pharmacy Student¹, Dr. Rui Tang, Ph.D², Dr. Samuel Achilefu, Ph.D², Dr. Hyunah Cho, Ph.D, B.Sc. Pharm¹; (1)Pharmaceutics, School of Pharmacy, St. Louis College of Pharmacy, St. Louis, MO; (2)Mallinckrodt Institute of Radiology, Department of Radiology, Washington University School of Medicine, St. Louis, MO
546. Development and validation of a rapid high performance liquid chromatography (HPLC) method for the quantification of a rapid-acting antidepressant, Ro 25-6981 in various biological matrices.
Julie Phan, PharmD Candidate Class of 2016, Annh Vo, PharmD Candidate Class of 2016, Jonathan Dorigatti, BS, Jeffery Talbot, BS, PhD, Venkata Yellepeddi, BPharm, PhD; School of Pharmacy, Roseman University of Health Sciences, South Jordan, UT
547. Gastrointestinal Stability and Oral Permeability of a novel rapid-acting antidepressant, Ro25-6981.
Annh Vo, PharmD Candidate Class of 2016¹, Julie Phan, PharmD Candidate Class of 2016¹, Jonathan Dorigatti, BS, Jeffery Talbot, BS, PhD, Venkata Yellepeddi, BPharm, PhD; (1)College of Pharmacy, Roseman University of Health Sciences, South Jordan, UT

548. Uric Acid Lowering Effect of Allopurinol in Minnesota Hmong Adults with Hyperuricemia or Gout.
Dr. Youssef Roman, Pharm.D.¹, Dr. Kathleen Culhane-Pera, M.D., M.A.², Mrs. Shoua Yang, B.A.², Mr. John Yang, B.S.², Dr. Muaj Lo, M.D.², Prof. Robert Straka, Pharm.D., FCCP¹; (1)Experimental and Clinical Pharmacology Department, College of Pharmacy, University of Minnesota, MN; (2)West Side Community Health Services, MN
549. Caffeine Disposition after Oral Inspiration (Aeroshot) Compared to an Energy Drink.
Kembral Nelson, BA, Zheyi Hu, Ph.D., S. Casey Laizure, Pharm.D.; Department of Clinical Pharmacy, University of Tennessee Health Science Center, Memphis, TN
550. Using IBW to calculate vancomycin dosing frequency may better account for inter-subject variability.
Duyen-Anh Pham, Pharm.D.¹, Yuliya Byakina, B.S.², Alice Chyan, B.S.³, Riti Gupta, B.S.³, Manny Saltiel, Pharm.D. FCCP⁴, Douglas Steinke, Ph.D.⁵, Dr. Tina Denetclaw, PharmD. BCPS⁶; (1)University of California, San Francisco, CA; (2)School of Pharmacy, University of California, San Francisco, San Francisco, CA; (3)School of Pharmacy, University of California, San Francisco, CA; (4)Comprehensive Pharmacy Services; (5)Manchester Pharmacy School, University of Manchester, Manchester, United Kingdom; (6)Department of Clinical Pharmacy, School of Pharmacy, University of California, San Francisco, San Francisco, CA

Psychiatry

551. Innovative Delivery of Pharmacy Services at a Behavioral Health Clinic.
Ms. Sharanjit Kaur, PharmD Candidate 2016¹, Ms. Sarah Hansen, PharmD Candidate 2016¹, Dr. Petrus Oliphant, PharmD², Dr. Benjamin Chavez, PharmD¹; (1)School of Pharmacy, Pacific University Oregon School of Pharmacy, Hillsboro, OR; (2)Central City Concern Old Town Recovery Center, Portland, OR
552. Ease of access to depression treatment: comparison of a primary care-based psychiatric pharmacist versus treatment within a behavioral health clinic.
Ms. Michelle Plum, Doctor of Pharmacy Candidate 2017¹, Dr. Richard Silvia, Pharm.D., BCPP², Dr. Robert Dufresne, Ph.D., Ph.D., BCPP, BCPS³; (1)School of Pharmacy, MCPHS University - Boston, Boston, MA; (2)Department of Pharmacy Practice, MCPHS University, Boston, MA; (3)University of Rhode Island

Rheumatology

553. Chronopharmacology of prednisolone in rheumatoid arthritis.
Ms. Christine Attard, B.Sc. Pharmaceutical Science (Hons.) (Melit.), Mrs. Louise Grech, M.Phil, Prof. Anthony Serracino-Inglott, BPharm, PharmD (Cinc.), MACCP, MRPharmS, Prof. Lilian M. Azzopardi, B.Pharm (Hons), MPhil, Ph.D, MRPharmS; Department of Pharmacy, Faculty of Medicine and Surgery, University of Malta, Msida, Malta

Substance Abuse/Toxicology

554. Buprenorphine use compared to Methadone.
Ms. Maria Pace, MPharm¹, Prof. Anthony Serracino- Inglott, Pharm.D.¹, Prof. Lilian M. Azzopardi, B.Pharm (Hons), MPhil, Ph.D, MRPharmS²; (1)Department of Pharmacy, University of Malta, Msida, Malta; (2)Department of Pharmacy, Faculty of Medicine and Surgery, University of Malta, Msida, Malta

Transplant/Immunology

555. Does Timing of Calcineurin Inhibitor Initiation Matter? Single Center Experience With En-bloc Kidney Transplantation.
Maya Campara, PharmD, BCPS¹, Oksana Kucher, BA, MBA², Kelly Galen, PharmD, BCPS¹, Sanjeev Akkina, MD³, Enrico Benedetti, MD⁴, Ignatius Tang, PharmD, MD³; (1)Department of Pharmacy Practice, University of Illinois Hospital and Health Sciences System, Chicago, IL; (2)University of Illinois College of Pharmacy, Chicago, IL; (3)Department of Medicine, Nephrology, University of Illinois Hospital and Health Sciences System, Chicago, IL; (4)Department of Surgery, University of Illinois Hospital and Health Sciences System, Chicago, IL
556. Random tacrolimus levels in the emergency department.
Ms. Brittany Lee, BS¹, Ms. Iyoung Jung, BS², Maya Campara, PharmD, BCPS³; (1)833 S. Wood St, University of Illinois at Chicago College of Pharmacy, Chicago, IL; (2)University of Illinois College of Pharmacy, Chicago, IL; (3)Department of Pharmacy Practice, University of Illinois Hospital and Health Sciences System, Chicago, IL

Women's Health

557. Study of Challenges and Opportunities to Adequately Represent Women in Health and Clinical Research for Gender Differences in Drug Safety and Efficacy.

Yun-Kyoung Song, M.S., Hee-won Seo, M.S., Nayoung Han, Ph.D., Prof. Jung-Mi Oh, Pharm.D.; College of Pharmacy, Seoul National University, Seoul, South Korea