

for efflux pump overexpressed (EPO) phenotype. FQ-R was defined as levofloxacin minimum inhibitory concentration (MIC) of 8 µg/mL or more by broth microdilution. EPO was defined as 8-fold lower MIC in the presence of an EPI. Human lung epithelial cell line A549 was infected with PA, and cytotoxicity was measured using the Cytotox96 assay kit at 5, 1, 1.5, 2, 2.5, and 3 hours. PAO1 and PA103 were control strains. Isolates were grouped by the rate (fast vs. slow) at 1 hour and extent (weak vs. strong) at 3 hours of cytotoxicity.

RESULTS: Almost all (98%) isolates had EPO phenotype. Only 10% had no target site mutation (MIC 16–32 µg/mL); all showed slow-weak cytotoxicity. Isolates with a single mutation (11 [28%] of 40) were 73% *gyrA* (MIC 4–64 µg/mL) and 27% *parC* mutants (MIC 64–128 µg/mL). Half (52%) had two mutations (mostly *gyrA+parC*) with MIC 8–64 µg/mL. All four isolates with three target site mutations (*gyrA+parC+parE*) had MIC 64–128 µg/mL. As the number of mutations increases, the rate and extent of cytotoxicity increases, as indicated by the proportion with a fast rate (0, 18, 40, and 75%) and strong extent of killing (0, 36, 50, and 75%) for strains with zero, one, two, and three target site mutations, respectively.

CONCLUSIONS: Target site mutations, as they accumulate, appear to confer an additive cytotoxic potential to respiratory isolates of PA that are FQ resistant. Our data suggest that the expression of virulence and resistance genes is coregulated.

Index of Corresponding Abstracts Authors

- A -

- Adcock Kim G: Influence of home asthma maintenance therapy on frequency of pediatric hospital admissions 170
- Ahmed Ebtesam: Utilization of UGT1A1 testing prior to irinotecan dosing and administration 287
- Al-Rousan Rabaa M: Deferasirox attenuates iron-induced oxidative stress and prevents cardiotoxicity in the iron-overloaded gerbil 292
- Alexander Bryan T: Use of cytomegalovirus intravenous immune globulin (CMV-IVIG) for the treatment of cytomegalovirus (CMV) in hematopoietic stem cell transplant (HSCT) patients 280
- Alkhateeb Fadi M: Attitudes of physicians toward pharmacist-provision of medication therapy management services (MTMs) as [art of the Medicare] [art D benefit 42
- Allen Coburn H: Effectiveness of recombinant human hyaluronidase-augmented subcutaneous hydration in children 168
- Allen Coburn H: Safety of recombinant human hyaluronidase-augmented subcutaneous hydration in children 169
- Alvarez Nancy: Open-label, long-term assessment of tolerability, safety, and effectiveness of oxymorphone extended release for chronic low back pain 167E
- Antoine Gosselin: Drug utilization and costs for erythropoietic stimulating agents in patients with breast, lung, or gastrointestinal cancer receiving chemotherapy 89
- Arnold Heather M: Assessment of imipenem-cilastatin 500 mg q6h, meropenem 500 mg q6h, and meropenem 1000 mg q8h in adult patients with neutropenic fever 283
- Arvapalli Ravi kumar: Deferasirox attenuates age-associated increases in cardiac and hepatic iron accumulation and improves blood glucose regulation 294
- Aspinall Sherrie: Impact of a geriatric palliative care service on suboptimal prescribing 85

- B -

- Bach Tiffany H: Clinical quality improvement (CQI) process on the use of erythropoiesis stimulating agents (ESAs) following the updated guideline of the centers of medicare & medicaid services (CMS) started July 2007 237
- Backman Elke S: AREMIND: A personalized cell phone system to remind for adherence 277
- Baker S David: Evaluation of zolpidem exposures in the pediatric population 176E
- Bakris George: High dose combination of amlodipine besylate + olmesartan medoxomil provides greater reduction in blood pressure compared with component monotherapies in subjects with and without diabetes 102E
- Bakris George: The long-term effect of a combination

- of amlodipine besylate plus olmesartan medoxomil therapy on achieving blood pressure goals in patients with diabetes 108E
- Baltz Brooke L: Inpatient cardiac arrest outcomes at two major medical centers with a focus on vasopressin 50
- Baribeault David M: Evaluation of a change in prescribing patterns of darbepoetin alfa on red blood cell transfusion requirements in patients with chemotherapy-induced anemia 156
- Barnes Brian J: Preoperative statin use is not associated with a reduced risk of atrial fibrillation after cardiac surgery 30
- Bass Almasa: Phenotypic characterization of endothelial function in individuals with established atherosclerosis using two non-invasive methods 19
- Benavides Sandra: A clinical pharmacist's role in screening for metabolic syndrome in a pediatric ambulatory clinic 265
- Berdine Hildegard J: Patient health outcomes of a pharmacist medication and disease management service in an urban physician office practice using MTM software 229
- Berenson Karina L: Clinical consequences of suboptimal clopidogrel therapy after stent implantation in acute coronary syndrome patients: An integrated health plan's perspective 139
- Berenson Karina L: Economic consequences of recurrent acute coronary syndrome-related hospitalizations 140
- Bergman Scott J: Discordant minimum inhibitory concentrations (MICs) from VITEK2 and E-tests for vancomycin against methicillin-resistant *Staphylococcus aureus* (MRSA) 112
- Berry Edmund: Inpatient resource utilization associated with bipolar disorder in children and adolescents 315
- Biggs Adam D: Factors affecting morphine dosage in treating severe pain in the emergency department 76
- Blair Melissa M: Implementation of a prospective pharmacist review on a hospitalist unit 225
- Bookstaver David A: Assessment of the white-coat effect among established hypertensive patients who assert to be well controlled 37
- Borders Emily B: Impact of calcium and magnesium infusions on response rates in metastatic colorectal cancer patients treated with oxaliplatin 160
- Bowles Susan K: Initiative to convert patients from nebulized respiratory medications to portable inhalers: analysis of pharmacist claims for a professional fee to optimize therapy in Nova Scotia, Canada 44E
- Bowles Susan K: Longitudinal analysis of the relationship between concomitant anticholinergic drug use and response to donepezil in mild-to-moderate Alzheimer's disease 83E
- Brackett Carolyn C: Send in the clowns! 258
- Brown Wendy I: Actively engaging students in the art of

- peer review 67
- Buck Marcia L: Caffeine for prevention or treatment of alprostadil-induced apnea in infants with congenital heart disease 175
- Bulik Catharine C: Susceptibility profile of vaginal isolates of *Candida albicans* prior to and following fluconazole introduction—impact of two decades 278
- Burrows Christy D: A review of recombinant activated factor VII (Novoseven®) use in a large community hospital 244
- Burton Tanya: Transfusion outcomes among oncology patients initiated with erythropoiesis-stimulating agents (ESAs) at baseline (BL) hemoglobin (Hb) of <10 v 10–11g/dL: data from the dosing and outcomes study of erythropoiesis-stimulating therapies (DOSE) registry 90E
- Bwayo Salome K: Prospective study comparing prevalence of low B12 levels in African Americans with and without sickle cell disease 256

- C -

- Canady Jennifer D: Accreditation Council for Graduate Medical Education duty hour compliance and awareness among post-graduate year one pharmacy residents 59
- Caramelli Kim E: Pharmacokinetics of oxybutynin topical gel: effects of showering, sunscreen application, and person-to-person transference 219
- Caramelli Kim E: Steady-state pharmacokinetics of an investigational oxybutynin topical gel in comparison with oxybutynin transdermal system 220E
- Caudle Kelly E: Molecular mechanisms of increased expression of CDR1, PDH1, and SNQ2 in fluconazole resistant clinical isolates of *Candida glabrata* 119
- Cavallari Larisa H: Circulating aldosterone and mineralocorticoid receptor genotype are predictive of potassium response to spironolactone in heart failure 18
- Cavallari Larisa H: Vitamin K epoxide reductase genotype is associated with warfarin dose requirements in Hispanics 192
- Charneski Lisa: Impact of drug allergy label on a patient's clinical course 111
- Chen Timothy C: A retrospective look at the effects of a pharmacist-run tobacco cessation clinic 12
- Chisholm-Burns Marie A: Pediatric renal transplant recipients' characteristics associated with IST adherence 213
- Choi Su-Young: Ethinylestradiol-mediated regulation of hepatic cytochrome P450 enzymes in rats 322
- Chow Sheryl L: Renal function and neurohormonal biomarkers following nesiritide vs. nitroglycerin in acute decompensated heart failure: a prospective randomized study 336
- Chow Sheryl L: Statins and diuretic response in heart failure patients 295
- Christensen Keith J: Daptomycin use in patients with sepsis 121
- Chrysant Steven G: An olmesartan medoxomil-based treatment algorithm safely and effectively reduces blood pressure compared with placebo in patients with stage 1 hypertension 105E
- Chrysant Steven G: Combination of amlodipine

- besylate and olmesartan medoxomil significantly reduces blood pressure in patients with hypertension independent of age 104E
- Chung Allison M: Effectiveness of lactobacillus GG for prevention of antibiotic-associated diarrhea in the pediatric intensive care unit 178
- Chung Steve: Lacosamide: Efficacy and safety as oral adjunctive treatment in adults with partial-onset seizures 55E
- Clifford Timothy M: A survey of immunosuppressive strategies in liver transplant patients with hepatitis C virus 215E
- Cocohoba Jennifer M: Patterns of pharmacy use among HIV positive women in San Francisco 43
- Cohen Victor: A pharmacist can improve timely administration of medications to boarded patients in the emergency department 75E
- Conway Kate: Intravenous infusion combinations and particulate matter 309
- Crouch Michael A: Cost-effectiveness analysis of anticoagulation strategies in non-ST-elevation acute coronary syndromes 181
- Crowther David M: Evaluating the risk of right-sided heart failure or edema with ambrisentan compared with bosentan 325
- Curran Brian: Evaluation of the current treatment of neonatal abstinence syndrome (NAS) and development of a standard of care for the neonatal Intensive care unit (NICU) 264
- Curtiss Stacey: Improvement in attention-deficit/hyperactivity disorder symptoms in children with lisdexamfetamine dimesylate versus extended-release mixed amphetamine salts and placebo in an analog classroom 206E

- D -

- Dang Devra K: Characteristics of prescription refill requests in a primary care clinic 13
- Dang Devra K: Effect of depression on diabetes control and medication adherence in underserved patients 14E
- Dasta Joseph F: Lipid administration in the VELOCITY trial: safety and efficacy of clevidipine butyrate intravenous emulsion in acute, severe hypertension 53
- Dastani Homa: Persistence and compliance for patients prescribed fixed-dose valsartan/hydrochlorothiazide as compared to free combination angiotensin receptor blocker and hydrochlorothiazide 184
- Davis Stephanie N: Cost savings through implementation of low-flow inhalation in general anesthesia 268
- Delea Tom: Cost-effectiveness of aliskiren added to losartan and optimal antihypertensive therapy in type-2 diabetic patients with albuminuria and hypertension 183E
- Denetclaw Tina: Expanding the frontiers of ACCP regional chapter membership: Northern California College of Clinical Pharmacy's experience in 2007 269E
- Dent Larry A: A randomized trial assessing the effectiveness of a pharmacist-delivered program for smoking 208
- DiCenzo Robert: A pharmacokinetic study of adjuvant chemotherapy in overweight and obese women 199

- Dobesh Paul P: Angiotensin converting enzyme inhibitors and angiotensin II receptor blockers reduce mortality in septic patients 46
- Dopp John M: Xanthine oxidase inhibition attenuates hypoxia-induced changes in chemoreceptor sensitization pathways 34
- Dowling Thomas C: Evaluation of renal dosing recommendations in FDA product labeling information of approved and marketed drugs 150
- Duarte Julio D: Effect of hydrochlorothiazide on endothelial expression of insulin signaling genes 274
- Duarte Julio D: Leukocyte expression of atherosclerosis-related genes in response to atorvastatin differs by CYP3A5 genotype 193E
- Durgin Tracy: Evaluation of lacosamide in diabetic neuropathic pain trials 57E

- E -

- Earl Grace L: Pharmacist's impact on heart failure outcomes: focus on medication and dietary sodium adherence 87
- Ellis Sam: Improved glycemic control with real-time continuous glucose sensors in patients with type 1 diabetes 82E
- Ensom Mary HH: AcMPAG levels and UGT genetic variations are associated with occurrence of side effects in thoracic transplant recipients treated with mycophenolate mofetil 210E
- Ensom Mary HH: Comparison of exogenous intravenous immunoglobulin (IVIG) exposure and endogenous IgG in pregnancy 223
- Ensom Mary HH: Pharmacokinetics of mycophenolate and its glucuronidated metabolites in stable islet-cell transplant recipients 211
- Ermer James: Linear dose proportionality, low inter- and intrasubject variability, and safety of lisdexamfetamine dimesylate in an open-label single-dose pharmacokinetic study in healthy adult volunteers 201
- Ernst Erika J: Activity of caspofungin against isolates of *C. parapsilosis*, *C. orthopsilosis* and *C. metapsilosis* by time-kill methods 136
- Ernst Michael E: Atmospheric pressure and INR variability—are they related? 21
- Estes Flora G: Descriptive evaluation of a collaborative clinical pharmacy research assistant program for pharmacy students 246

- F -

- Fiske William D: Pharmacokinetics of oxymorphone extended-release tablets following consumption of food or alcohol 164E
- Fuizat Mona: Additive Effects of b1 389 Arg/Gly a2c 322-325 Wt/Del adrenergic receptor genotype combinations on adjudicated hospitalizations and death in the BEST Trial 190E
- Foral Pamela A: Email vs. face-to-face: Faculty and students' perceptions of tone and content 73
- Foster David R: Alterations in the expression of intestinal transporters and metabolic enzymes in cultured intestinal cells treated with green tea extract 320

- G -

- Garwood Candice L: Age and ethnicity influence

- warfarin maintenance dose: a comparison of elderly African American and white patients 92
- Ge Yigong: Activity of ceftriaxone against *Streptococcus pneumoniae* bloodstream isolates from community-acquired pneumonia (CAP) in North America 118E
- Ge Yigong: Ceftriaxone (CPT) dose adjustment recommendations for subjects with mild or moderate renal impairment (RI) 129E
- Ge Yigong: In vitro activity of ceftriaxone against a collection of recent gram-positive and gram-negative US isolates 130E
- Ge Yigong: Population pharmacokinetics (PK) analysis of ceftriaxone (CPT) in volunteers and patients with complicated skin and skin structure infection (cSSSI) 117E
- Gerlach Anthony T: Comparison of estimated creatinine clearance using modified diet in renal disease, Cockcroft-gault or 24-urine equations in critically ill surgical patients 45E
- Ghafoori Mary E: Interaction of ibogaine analogs with the nicotinic acetylcholine receptor 327
- Ghafoori Mary E: Interaction of novel ibogaine analogs with the human $\alpha 3 \beta 4$ nicotinic receptor 328
- Goldfine Allison B: Use of colesvelam HCl with concomitant statin therapy in type 2 diabetes mellitus improves glycemic control and the lipid profile 78E
- Goulding Catherine A: Evaluation of glycemic control in cardiac patients with admission hyperglycemia 301
- Grice Gloria R: Pharmacogenetic vs. clinical adjustments during warfarin initiation 191
- Gupta Vikas: Epidemiology and outcomes of patients treated with heparin during hospitalization 143E
- Gupta Vikas: Epidemiology and outcomes of patients with changes in renal function during hospitalization that may require dosage adjustment 142E
- Gupta Vikas: Epidemiology and outcomes of patients with pneumonia and hyponatremia 134E
- Gupta Vikas: Sodium derangement among hospitalized pneumonia patients: prevalence and association to mortality and prolonged length of stay 132E
- Gupta Vikas: Sodium derangement and associated clinical and financial outcomes: analysis of 115,969 acute heart failure admissions in 2004-2005 39E

- H -

- Ha Belinda: Simplified maintenance therapy with ABC/3TC+ATV after ABC/3TC+ATV/RTV induction: 48 week results 97
- Ha Belinda: Tenofovir effect on renal function factoring in both MDRD-calculated glomerular filtration rate (GFR) and spot urine protein-to-creatinine (UPC) ratio 96E
- Haase Krystal K: Emerging adverse events with aliskiren: increased blood pressure and angioedema 2
- Haase Mark R: Evaluation of dosage form information provided in pediatric drug trials 172
- Hailemeskel Bisrat: Concurrent iron supplementation with epoetin alfa treatment 262
- Hale LaDonna S: Kansas pharmacists' knowledge, attitudes, and beliefs regarding over-the-counter emergency contraception 221
- Hamilton Leslie A: Use of heparin levels versus aPTT in patients with acute coronary syndrome 273

Hart James: Evaluating patient characteristics associated with sunitinib adverse events requiring dosing modification 286

Hatch Jacob B: Benefit of pharmacist-obtained medication histories in the intensive care unit 261

Hayney Mary S: Disparate effects of immunosuppression on influenza vaccine responses by lung transplant patients 212

Heintz Brett H: Epidemiology, risk factors, and treatment of candidemia at a large academic medical center: a retrospective study 113

Hemstreet Brian A: An analysis of adverse events related to peripheral intravenous catheter use in hospitalized patients 147

Hendricks Jennifer L: Preliminary evaluation of patient-reported outcomes among patients treated for cancer-related pain at a multidisciplinary symptom management clinic 311

Hermesen Elizabeth D: Clinical outcomes and nephrotoxicity associated with vancomycin trough concentrations during treatment of deep-seated infections 135

Hevezi Marguerite: Effectiveness of a collaborative lipid clinic developed in an academic heart hospital ambulatory care clinic 231

Hill Lawrence: Effects of silodosin, a uroselective alpha-blocker, in men with symptoms of benign prostatic hyperplasia: pooled results of 2 phase 3 studies 217

Hill Lawrence: Long-term effects of silodosin, a uroselective alpha-blocker, in men with symptoms of benign prostatic hyperplasia 218

Hillebrand Kristen E: Unknown medication ingestions in children less than 6 years: an 8-year retrospective database analysis 329

Hoffman James M: Plasma voriconazole levels in pediatric patients and potential application to therapeutic drug monitoring 122

Hoffmann Crystal L: Comparison of glycemic management with the implementation of a standardized sliding-scale insulin dosing form in a community hospital 77

Holt Robert J: Point prevalence of parkinson's disease (PD) induced psychosis (PDP) in a large managed care plan 188

Hope Charlene A: National patient safety goal 3E: the utility of bench-marking in the realm of optimizing pharmacy practice and patient safety 236

How Priscilla: Efficacy of phosphorus binding between chewed and crushed lanthanum carbonate 148E

Hughes Christine A: Canadian College of Clinical Pharmacy: chapter overview and strategic initiatives 235

Hughes Darrel W: Implementation of an emergency pharmacist 249

Hulse Amy B: Evaluation of racial disparities with statin use in veterans post-myocardial infarction 32

Hung Whitney Y: Early detection of persistent post kidney transplant anemia 290

Hurley Anne: Analysis of the changing incidence of non-inferiority trials 56

- I -

Inskip Philip: Plasma protein binding of anidulafungin is similar to other major echinocandins 202

- J -

Jackevicius Cynthia A: Evaluation of a multidisciplinary comprehensive atherosclerosis management clinic 17

Jacqueline Cedric: In vivo assessment of the activity of ceftaroline (CPT), linezolid (LZO) and vancomycin (VAN) in a rabbit osteomyelitis experimental model (OEM) due to MRSA and GISA 128E

Johnson John T: Medication adherence in low socioeconomic status (SES) seniors 84

Johnson John T: On the road to improved trucker's health—road to opportunity for pharmacists 240

Johnson John T: Positive impact of pharmacist intervention with medicare patients with diabetes—Georgia pharmacist association and center for medicare and medicaid services project outcomes 241

Jones Terrea: TPMT pharmacogenetics and the risk for secondary brain tumors after antileukemic therapy 318

Joshi Amol D: A1c outcomes of patients switched from rosiglitazone to insulin 272

Joy Melanie S: Pharmacokinetics of small and large molecules in a nephrotic model of glomerular disease 203

Joy Melanie S: Role of renal function and pharmacogenomics on mycophenolic acid pharmacokinetics in patients with glomerular diseases 153

Juang Paul: Comparison of a warfarin dosing nomogram with conventional physician dosing 234

- K -

Kanaan Abir O: Bivalirudin alone or in combination with eptifibatid in elective percutaneous coronary intervention 28

Kane Michael P: Safety of zoledronic acid in the management of osteoporosis 300

Kane-Gill Sandra L: Evaluating adverse drug reactions occurring in the medical intensive care unit using three objective instruments for causality assessment 1

Keller Darcie L: Patient comfort with health literacy skills assessment 254

Keller Lisa A: Assessment of empiric and directed fluconazole and caspofungin usage patterns in patients with candidemia 282

Kereiakes Dean J: An olmesartan medoxomil-based treatment algorithm safely and effectively reduces blood pressure compared with placebo in patients with stage 2 hypertension 106E

Keyser Lauren E: Assessment of pharmacy residency's formal training in teaching 66

Khachatryan Armine: Evaluation of skeletal troponin-I as an early serum marker for statin-induced myopathies 40

Kim Christine: Tissue plasminogen activator: Anti-inflammatory agent via modulation of Rac2 326

Kincaid Scott E: Guideline adherence of antimicrobial prescribing patterns for lower respiratory tract infections and local resistance pattern correlation 305

Koch Bruce R: A pharmacogenetic-directed treatment strategy reduces cost of hospitalizations in patients

with moderate to severe heart failure (HF) treated with bucindolol 195

Kondrack Robyn M: Prevalence of cardiovascular risk factors and medication adherence among ethnic groups living in the Omaha metropolitan area 189

Kristeller Judith L: Outcomes associated with kidney dysfunction in cardiac surgery patients 149

Krueger Courtney: Outcomes of an initial preceptor experience for fourth year pharmacy students 70

Kuehl Peggy G: Cost-benefit analysis of non-dispensing patient care services in an independent community pharmacy 242

- L -

Lamp Kenneth C: Daptomycin for the treatment of *Staphylococcus aureus* bacteremia 125E

Lamp Kenneth C: Daptomycin treatment of urinary tract infections 124

Larholt Kay: Transfusion and hospitalization outcomes in erythropoiesis stimulating agent (ESA)-treated cancer chemotherapy patients based on achieved hemoglobin (Hb) levels 88E

Larison Deborah: Development, delivery, and outcomes of a clinical pharmacy service expansion for sexual assault patients in the emergency department 250

Leader W Greg: Characterization of alcohol-related knowledge, behavior, and attitudes of first-year Doctor of Pharmacy students 207

Leader W Greg: Impact of an introductory leadership course on student leadership beliefs and behaviors 60E

Lee Ruth-Ann M: Statin therapy and corticosteroid therapy in kidney transplantation: effects on cardiovascular event and death rates 216E

Lee Sukhyang: Drug interactions in prescriptions for outpatients 4

Lee Zon-Min: Prematures with respiratory distress syndrome do not have increased the chance of patent ductus arteriosus requiring indomethacin therapy thereafter 179

Legreid Dopp Anna: Impact of automated external defibrillator practical experience on 2nd year doctor of pharmacy students' performance and confidence 26E

Lindsay John P: A retrospective review of bivalirudin versus glycoprotein IIb/IIIa inhibitors plus heparin for percutaneous coronary intervention 233

Little T Christopher: Psychological barriers to insulin use in a veteran population 79

Liu Cheuk H: Irreversible atorvastatin-induced hearing loss: a case report 291

Longyhore Daniel S: Lipid profile changes associated with changing available formulary statins 141

Lugo Amy M: A quizzical approach to innovative experiential teaching 61

Léos Cara L: Perceived benefits and negative aspects of postgraduate pharmacy training 65

- M -

MacDonnell Celia: Communicating value to the patients we serve—an educational workshop for pharmacy students 64

MacLaren Robert: Clinical and economic outcomes of involving pharmacists in the direct care of critically

ill patients with thromboembolic disorders 47

MacLaren Robert: Propylene glycol accumulation in patients receiving intravenous lorazepam infusions 51

Malesker Mark: Patients receiving chronic warfarin therapy admitted to the intensive care unit: what are the outcomes? 52

Malone Margaret: Incidence of vitamin D deficiency after gastric bypass surgery 155

Marinac Jacqueline S: Research Institute: ACCP member and frontiers fund donor survey 334

Marino Elizabeth: Implementation of an extended infusion piperacillin/tazobactam policy at a tertiary academic medical center 259

Matson Adrienne: Impact of a group heart failure clinic on patient outcomes in a veteran population 232E

Matzke Gary R: Compliance of the pharmaceutical industry with 1998 FDA renal guidance 151

McConeghy Kevin W: Levofloxacin: A retrospective evaluation of indication and dosage in urinary tract infections 307

McConeghy Kevin W: Levofloxacin: A retrospective evaluation of indication and dosage in urinary tract infections 308

McConeghy Kevin W: Staphylococcal spp. biofilm formation in the presence of heparin or tissue plasminogen activator (tPA) 306

McCune Jeannine S: Mycophenolic acid pharmacodynamics in nonmyelo-ablative unrelated donor hematopoietic cell transplant patients 321

McDermott Cara L: Mycophenolic acid pharmacodynamics in nonmyelo-ablative, HLA-matched related hematopoietic cell transplant (HCT) recipients 323

McGuire Timothy R: Pharmacokinetics of high-dose etoposide in children undergoing autologous stem cell transplantation for various solid tumors: relationship between age and clearance 159

McKinnon Peggy S: Improving dyslipidemia screening and statin prescribing in diabetic patients at a community hospital using a technology-assisted pharmacist intervention 138

McLaughlin Shannon M: Efficacy and safety of low-dose valganciclovir in cytomegalovirus prophylaxis in kidney transplantation following alemtuzumab induction 332

Meeker Elena: Management of warfarin in a university-affiliated emergency department 252

Mesenbrink Peter: Bone mineral density and biochemical marker response rates in postmenopausal women after treatment with zoledronic acid 15E

Miles Benjamin: Justification for emergency department clinical pharmacy services in a rural, tertiary medical center 248

Miller Karen: Benchmarking: leveraging best-practice strategies to implement anticoagulant and antibiotic management tools 260

Min David: Clinical and genetic risk factors of new onset post transplant diabetes mellitus in adult Hispanic renal transplant recipients 316

Minshall Michael E: Cost-effectiveness of colesvelam HCl plus metformin compared with metformin alone using a validated model from a third-party payer perspective in the USA 267E

Mizne Sarah E: Assessment of amiodarone monitoring

- in accordance with North American Society of Pacing and Electrophysiology (NASPE) guidelines at the Veterans Affairs Medical Center, Memphis 293
- Moellent Dan: Prospective review of all emergency department admissions for Beer's criteria drugs 253
- Momary Kathryn M: Influence of serotonin transporter genotype on aspirin response 198
- Moore Keith A: Single-dose pharmacokinetic comparison of ProSorb[®] diclofenac potassium formulations 165E
- Mountjoy Cary R: Adherence to osteoporosis treatment guidelines in postmenopausal women at two family medicine clinics 224
- Moyo Victor: Comparison of erythroid response (ER) rates to epoetin alfa (EPO) alone or in combination vs non-erythropoiesis-stimulating agents (non-ESAs) in treatment-naïve anemic MDS patients—a meta-analysis approach 157E
- Murillo Jose R: Vaccination of renal cell cancer patients with modified vaccinia ankara delivering tumor antigen 5T4 (TroVax) administered with IL-2: a phase II trial 161E
- Murphy John E: Academic and training requirements in advertisements for pharmacy management and clinical director positions: a follow up 41
- Murphy John E: Academic and training requirements in advertisements for pharmacy practice academic positions 63E
- Muzevich Katie M: Pharmacist driven review and upgrade of Alaris[®] smart pump technology in the ICU 146

- N -

- Nahata Milap C: Off-label medication use and associated adverse drug events in a pediatric emergency department 177
- Nappi Jean M: An academican preparation program: statewide outreach to pharmacy residents 247
- Nelson Winnie W: Complications associated with postoperative intravenous analgesia in hospitals in the United States 166
- Nemerovski Carrie W: Antifungal drug costs and utilization following implementation of a posaconazole prophylaxis protocol in patients with acute myelogenous leukemia 126
- Ng Tien MH: Prevalence and pattern of caffeine use in heart failure 22
- Ngo Lan K: Evaluation of triple antithrombotic therapy after percutaneous coronary intervention (PCI) in Veterans 38
- Nguyen Lee H: A pilot study evaluating the timing of linezolid initiation after clinical failure of vancomycin in methicillin-resistant *Staphylococcus aureus* infections 123
- Norgard Nicholas B: Clopidogrel attenuates coated-platelet formation in patients undergoing elective cardiac catheterization 27E
- Oh JungMi: Effect of genetic polymorphisms of MDR-1 and CYP3A5 on tacrolimus pharmacokinetics after renal transplantation(Encore, will be presented at XXII International Congress of The Transplantation Society, Sidney, Australia, 10-14, August,2008) 317

- O -

- Oh Kyung sun: The effects of antibiotic administration on *Clostridium difficile*-associated diarrhea 137
- Oparil Suzanne: An olmesartan medoxomil-based treatment algorithm safely and effectively reduces blood pressure compared with placebo in patients with hypertension 103E
- Oparil Suzanne: Combination of amlodipine besylate + olmesartan medoxomil provides numerically greater reductions in blood pressure compared with component monotherapies in race and ethnic subgroups 101E
- Oparil Suzanne: Long-term efficacy of a combination of amlodipine besylate plus olmesartan medoxomil: treating black patients to blood pressure goal 107E
- Orwig Kara W: Impact of a severe sepsis order set on compliance with the severe sepsis bundles and subsequent outcomes 243
- Ourth Heather: Implementation of a template ordering process to improve medication safety with erythropoiesis stimulating agents (ESAs) in a veteran population 263
- Owens Kimball: Impact of a pharmacist-managed renal dosing protocol in a 317-bed full-service tertiary and acute care referral center 271

- P -

- Pakes Gary E: Foot fracture characteristics in HIV-infected patients previously treated with tenofovir (TDF)- vs non-TDF-containing HAART: results of case-series study COL109415 100
- Pakes Gary E: Improved triglycerides after reducing the ritonavir (RTV) boosting dose from 200 mg to 100 mg once daily (QD) in HIV+ patients stabilized (viral load <50c/mL) on QD RTV-boosted fosamprenavir (FPV) 1400mg + abacavir (ABC) 600 mg/lamivudine (3TC) 300 mg 99
- Pallotta Katie E: Medication reconciliation in an outpatient hemodialysis clinic 152
- Park Ji Eun: Psychological distress as a negative factor for the survival of patients undergoing allogeneic hematopoietic stem cell transplantation (Encore, presented at International Congress of The Pharmaceutical Society of Korea, Jeju, Korea, 1-3, May, 2008) 312
- Parker Robert B: Effects of paroxetine on the pharmacokinetics of immediate- and extended-release metoprolol 31
- Patel Parul: Efficacy and safety of abacavir/lamivudine (ABC/3TC) compared to tenofovir/emtricitabine (TDF/FTC) in combination with QD lopinavir/ritonavir (LPV/r) through 48 weeks in the HEAT study 98E
- Patel Priti N: Incorporation of wiki technology into an elective course 72
- Patel Rani P: Promoting pneumococcal immunization in medical inpatients through educational efforts 127
- Peeters Michael J: Pharmacy resident and student activities in an emergency department 251
- Peeters Michael J: Teaching medication errors: a computer-based approach 71
- Philbrick Ann M: Outcomes and perceptions of a pharmacist-managed smoking cessation group clinic 227
- Prather Laura A: Evaluation of pain medication

- prescribing practices in an outpatient clinic 314
- Prather Lisa: Evaluation of antimicrobial stewardship programs and their relationship to pharmaceutical expenditures 238
- Pratt Denise: A pilot study to evaluate the safety and efficacy of a prothrombin complex concentrate to reverse international normalized ratios > 2 in patients requiring implantable cardiac devices 36
- Prazak Ann Marie B: Venous thromboembolism risk assessment and prophylaxis in the surgical intensive care unit 297
- Price Elvin T: Liver X receptor alpha (LXRA) gene polymorphism associates with baseline cholesterol but not statin response in healthy volunteers 197E
- Prosser Theresa R: Preliminary assessment of asthma quality of care indicators at a multi-disciplinary, primary care clinic for uninsured patients 230

- R -

- Raheem Shazia: Cost analysis of direct thrombin inhibitor use in heparin induced thrombocytopenia at a single institution 187
- Rak Justin K: Clinical characteristics and outcomes of critically ill patients with carbapenem-resistant *Acinetobacter baumannii* bacteremia or pneumonia: a single-center experience 54
- Ray Gretchen M: Alteration in blood pressure monitoring technique impacts hypertension treatment 11
- Rebo Gerald J: Medication Errors: A cost analysis examining malpractice claims and reduced errors with bar code medication administration (BCMA) technology 266
- Renna John: Cognitive and sedative effects of guanfacine extended release in children and adolescents aged 6 to 17 years with attention-deficit/hyper-activity disorder 171E
- Rhoney Denise H: Hypernatremic Hyperosmolar State (HHS) in acute brain injury (ABI): effect on intracranial pressure 48E
- Rogers P David: CAS5 is required for fluconazole tolerance in *Candida albicans* 120
- Rohatagi Shashank: Diurnally adjusted trough:peak analysis of diastolic blood pressure for a combination of amlodipine besylate and olmesartan medoxomil 109E
- Roman Laura: A Comparison of patient recall of medication information with and without pharmacist discharge counseling 68
- Rose Warren E: Impact of the ica operon on biofilm formation and antibiotic susceptibility in *Staphylococcus aureus* (SA) and epidermidis (SE) 303
- Rose Warren E: MRSA colonization and infection: a molecular and susceptibility analysis 304
- Rowley Ayana K: Enoxaparin for deep vein thrombosis prophylaxis in obese patients 91
- Rubino Christopher M: Population pharmacokinetics of oritavancin 200
- Ruf Kathryn M: Adapting the formulary decision-making process to evaluate an evidence-based medicine database for use in a college of pharmacy 298

- S -

- Sallee Floyd R: Guanfacine extended release: duration of effect in children and adolescents aged 6 to 17 years with attention-deficit/hyperactivity disorder 174E
- Sallee Floyd R: Long-term safety and efficacy of guanfacine extended release in children and adolescents aged 6 to 17 years with attention-deficit/hyperactivity disorder 173E
- Sam Sharon: Seroconversion rates with an accelerated hepatitis A and/or B vaccine schedule in heart transplant candidates 214
- Samuel Rita: Is the combination of valsartan/hydrochlorothiazide regimen more effective, compared to conventional treatment with amlodipine and hydrochlorothiazide, in lowering ambulatory blood pressure (BP) in patients with stage 2 hypertension?—the EVALUATE study 24E
- Samuel Rita: Metabolic effects of combination angiotensin receptor blockade/ hydrochlorothiazide in pre-diabetic, obese, hypertensive patients 25E
- San Luis Valerie A: An evaluation of time-to-initiation of medication admit orders in adverse outcomes of critically ill patients boarded in the emergency department 275
- Sanders Elizabeth L: Clinical and translational pharmacogenomics: integrating a seminar program with undergraduate pharmacogenomics research 299
- Sankaranarayanan Jayashri: Immunosuppressant-adherence and willingness to give time for self-management education in community-dwelling adult transplant recipients at an U.S. transplant center 186
- Sawyer Joshua: Prevalence of genotypic drug mutations among a cohort of HIV-infected pregnant women 257
- Schaaf Erin L: Evaluation of an argatroban dosing protocol and identification of dose-altering patient characteristics 8
- Schafers Stephen J: Implementation of a weight-based basal/bolus insulin use strategy improved glycemic control in hospitalized diabetic patients on an internal medicine service 74
- Scheetz Marc H: A cost effectiveness analysis of computerized clinical decision support systems on bacteremia 180
- Schmidt Ginelle A: Evaluation of converting patients from insulin glargine to insulin detemir 80
- Schrader Joachim: The combination of amlodipine/valsartan (5/160 mg) significantly reduces the incidence of peripheral edema versus amlodipine 10 mg in hypertensive patients not adequately controlled with amlodipine 5 mg 23E
- Schramm Garrett E: Analysis of appropriate initial antimicrobial therapy in community and healthcare-associated pneumonia and blood-stream infections 116E
- Schulz Kali M: A characterization of polypharmacy in an inpatient bipolar population 205E
- Schwartz Michael D: Modeling potential spread patterns for shipboard acute gastroenteritis (AGE) 114
- Seifert Charles F: Urinary markers for renal damage in patients undergoing cardiac catheterization receiving contrast dye 284
- Shaefer Mark S: Low incidence of suspected abacavir

- hypersensitivity (ABC HSR) after implementation of HLA-B*5701 screening: results from the ARIES study 95E
- Shelton Arthur T: Predictors of vancomycin dosage adjustment in hospitalized type-II diabetic patients 310
- Shrader Sarah: A method for educating patients and documenting smoking status in an electronic medical record 10
- Siepler John K: Hyperbilirubinemia is more common in chronic home parenteral nutrition patients with catheter related infections 154E
- Sifontis Nicole: 3-Year outcomes of basiliximab induction in african american kidney transplant recipients of deceased donor transplants 331
- Sifontis Nicole M: Thymoglobulin* induced antibody mediated rejection in a living related kidney transplant patient 333
- Singh Harleen: Reductions in N-terminal prohormone brain natriuretic peptide associated with reduced risk of hospitalizations among chronic heart failure patients in an ambulatory care setting 35
- Skomo Monica L: Development and implementation of an interdisciplinary mobile wellness clinic for a medically underserved population 226
- Smallwood Gregory: Rapid phenotyping of ganciclovir resistance mutations from human cytomegalovirus infections in liver transplant recipients 194
- Smallwood Gregory: The evaluation of renal clearance calculations for hepatic failure patients awaiting liver transplantation 209
- Smith Judith A: Determination of minimum effective dose and optimal dosing schedule for liposomal curcumin in a mouse model of pancreatic cancer 288
- Smith Judith A: Evaluation of safety and efficacy of active hexose correlated compound (AHCC) in combination with liposomal doxorubicin 285
- Smith Judith A: Evaluation of the educational interventions on medical team compliance with NCCN myeloid growth factor guidelines 313
- Smith Steven M: Correlation of thiazide-induced potassium changes with glucose changes 81
- Snider Melissa J: Antiarrhythmic medication monitoring by clinical pharmacists in an outpatient setting 228
- Snyder Eric M: Influence of albuterol on alveolar-capillary membrane conductance in patients with heart failure 29
- Soefje Scott A: A phase II study of intravenous REOLYSIN (Wild-type reovirus) in the treatment of patients with bone and soft tissue sarcomas metastatic to the lung 158E
- Song Clara K: Effect of topical bromfenac sodium 0.1% ophthalmic solution on laser-induced choroidal neovascularization in mice 163E
- Song Clara K: Effects of bromfenac sodium on acute and chronic uveitis in rabbits 162E
- Spalding James: Incremental direct treatment cost of atrial fibrillation in the Medicare population 16
- Spencer Anne P: The effect of black cherry juice concentrate on serum uric acid in patients with heart failure 94
- Sprunger Tracy L: Evaluation of factors influencing fall risk in a community hospital setting 86
- Stebbins Marilyn: Evaluation of a Medicare part D community outreach train-the-trainer program for pharmacy faculty 62
- Stevich Bojana: Targeting Ras with false prenyl analogs 110E
- Stolpart Ryan S: Increased risk of significant creatinine kinase elevation with high dose simvastatin compared to moderate dose 5
- Sturpe Deborah A: Knowledge of emergency contraception among health professions students 222
- Swanson Joseph M: Mid-South College of Clinical Pharmacy: enhancing clinical pharmacy practice for our members 270
- T -
- Tackett Kimberly L: Impact of clinical pharmacy services provided through advance practice pharmacy rotations in a rural medical center 245
- Tan Elyn Choa: Risk factors and clinical features of urinary tract infections in solid organ transplant recipients: a retrospective cohort study 302
- Tang Boxiong: A cost-efficacy analysis of infused biologic therapies in the treatment of rheumatoid arthritis using radiologic outcomes 185
- Tardi Anthony M: Implementation of a student pharmacist tobacco cessation program 330
- Tawwater Chris: Mortality and management of non-ICU patients with severe sepsis 276
- Taylor Christopher J: Ability of the activated partial thromboplastin time versus the antifactor Xa assay to maintain unfractionated heparin within a therapeutic range 9
- Thill Paul: Acute kidney injury following exposure to antibiotic-laden bone cement 3
- Ton Mannhu N: Evaluation of vancomycin dosing protocol for cardiothoracic surgery prophylaxis 204
- V -
- Van DeKoppel Shawna L: Assessment of vancomycin-resistant enterococcal bacteremia in a hematology and bone marrow transplant population: outcomes and risk factors associated with treatment failure 133E
- Van Tassell Benjamin W: Efficacy and safety of aliskiren for the treatment of hypertension 20
- Verme-Gibboney Catherine: Risk factors for major bleeding in patients with heparin-induced thrombocytopenia treated with argatroban: a retrospective analysis 93
- W -
- Warrick Brittany L: Evaluation of bleeding events in surgical patients receiving recombinant human activated protein C 296
- Weant Kyle A: Conversion of critically ill patients from continuous insulin infusions to subcutaneous insulin 49
- Weiland Christy M: Impact of the implementation of a pharmacist-run discharge medication reconciliation procedure 144
- Welder Gregory J: Atorvastatin regulates global inflammatory and anti-inflammatory gene expression in human endothelial cells 324
- Welder Gregory J: High-dose atorvastatin lowers blood pressure in a CXCL5 genotype-dependent manner 319
- Westberg Sarah M: Time study of pharmacy faculty in family medicine residency programs 69
- Wiesner Ann M: National survey of pharmacy services in free medical clinics 289
- Wilhelm Sheila M: Evaluating the rate of venous thromboembolism (VTE) prophylaxis and percentage of ordered doses administered in medically ill patients 7
- Wilkerson Jamie M: Rifaximin use in *Clostridium difficile* infection (CDI) 115
- Wilks Angela: Development and assessment of internet case based multi-disciplinary infectious disease workshops as a learning tool in antimicrobial therapeutics 58
- Winstead P Shane: Antibiotic use in critically ill patients colonized with multidrug resistant organisms 281
- Wong Siu-Fun: Cost benefit analysis of a novel oncology pharmacy practice model in a private medical oncology office 239E
- Wong-Beringer Annie: Fluoroquinolone-resistance (FQR) is linked to increased cytotoxicity of *Pseudomonas aeruginosa* (PA) respiratory isolates 337
- Woolley Adam B: Evaluation of a computerized physician order entry (cPOE) weight-based unfractionated heparin (UFH) protocol at Beth Israel Deaconess Medical Center (BIDMC): impact on prescribing, monitoring, safety, and achievement of therapeutic targets 145
- Wright Julie M: A reliable scale to measure patient comfort with communicating about their health literacy status 255
- X -
- Xiong Yan: Real-time evaluation of ceftaroline, a new cephalosporin, vs vancomycin & daptomycin in a rat *Staphylococcus aureus* endocarditis model using in vivo bioluminescent imaging 131E
- Y -
- Yang Jae-Wook: Association of CYP3A5 and VEGF gene polymorphisms with hypertensive nephropathy 196
- Yemane Eyerusalem: Clinician response to positive methicillin-resistant *Staphylococcus aureus* (MRSA) surveillance cultures in the intensive care unit (ICU) 279
- Yu Hsing-Ting: Cost effectiveness of valsartan vs. losartan to delay nephropathy progression in patients with type 2 diabetes and hypertension 182
- Yun Ji Young: The valproate related thrombocytopenia 6