ICAAC, Denver, CO, 2013

Presentations on colistin

- Sep 10, 2013, Tuesday, 12:00 PM - 2:00 PM Treatment of MDRO Infections
  Exhibit Hall A
- Sep 10, 2013, Tuesday, 12:00 PM - 2:00 PM Enterobacteriaceae: Lots of Resistance
  Exhibit Hall A
- Sep 11, 2013, Wednesday, 11:00 AM - 1:00 PM Antimicrobial Use
  Exhibit Hall A
- Sep 11, 2013, Wednesday, 11:00 AM - 1:00 PM Antimicrobial Activity and Synergy Studies with Non-Fermenting Bacteria
  Exhibit Hall A
- Sep 12, 2013, Thursday, 11:00 AM - 1:00 PM Resistance to Polymyxins
  Exhibit Hall A
- Sep 12, 2013, Thursday, 11:00 AM - 1:00 PM Pharmacokinetics/Pharmacodynamics for Optimization of Anti-Infective Therapy
  Exhibit Hall A
- Sep 12, 2013, Thursday, 11:00 AM - 1:00 PM Antimicrobial Resistance and Immune Therapy of Experimental Infection
  Exhibit Hall A
- Sep 12, 2013, Thursday, 11:00 AM - 1:00 PM ”Antimicrobial Synergy, Time Kill, MPC Studies”
  Exhibit Hall A
- Sep 13, 2013, Friday, 8:30 AM - 10:30 AM Epidemiology of Resistance in Pseudomonas and Acinetobacter
  Exhibit Hall A

Poster Presentations

Tuesday
- Tuesday, September 10, 2013 12:00 - 2:00 PM
  N. Petrosillo et al: Colistin-glycopeptide Combination In Critically Ill Patients With Gram Negative Infection: The Clinical Experience
- Tuesday, September 10, 2013 12:00 - 2:00 PM
  M. M. Montero et al: Colistin-Resistance in Pseudomonas aeruginosa is Correlated with Colistin Consumption but it could be a Reversible Phenomenon
- Tuesday, September 10, 2013 12:00 - 2:00 PM
  Y. Chuang et al: Effectiveness of Tigecycline versus Colistin for Treatment of Pneumonia
caused by Multidrug-Resistant Acinetobacter baumannii in Critical Setting: A Matched Cohort Analysis

- Tuesday, September 10, 2013 12:00 - 2:00 PM
  N. Sutiman et al: Polymyxin B Toxicities: Critical Appraisal of Nephrotoxicity and Novel Dermatological Toxicity

- Tuesday, September 10, 2013 12:00 - 2:00 PM

- Tuesday, September 10, 2013 12:00 - 2:00 PM
  S. de Gregorio et al: Infections caused by Klebsiella pneumoniae-KPC Colistin Resistant

- Tuesday, September 10, 2013 12:00 - 2:00 PM
  I. Karaiskos et al: Application of a Loading Dose of 9 MU Colistin Methanesulphonate (CMS) and Incidence of Nephrotoxicity in Critically Ill Patients: A Preliminary Report

Wednesday

- Wednesday, September 11, 2013 11:00 AM - 1:00 PM
  K. Phet al: Comparison of Nephrotoxicity Rates Associated with Colistimethate (CMS) versus Polymyxin B (PMB) Therapy

- Wednesday, September 11, 2013 11:00 AM - 1:00 PM
  N. Mansour et al: Synergistic Combination of Carbapenems and Colistin against P.aeruginosa and A.baumanii

Thursday

- Thursday, September 12, 2013 11:00 AM - 1:00 PM
  B. Alejandro et al: Biological Cost and Impact on Virulence of Different Mechanism of Resistance to Colistin in Acinetobacter baumannii

- Thursday, September 12, 2013 11:00 AM - 1:00 PM
  J. S. Bradley et al: Colistin (COL) Single Dose Pediatric Pharmacokinetics (PK) and Renal Safety

- Thursday, September 12, 2013 11:00 AM - 1:00 PM
  S. Bouchene et al: Comparison of Colistin and Colistimethate sodium (CMS) Model-Predicted Whole Body Distribution with Measured Tissue:Plasma Concentrations Ratios in rats

- Thursday, September 12, 2013 11:00 AM - 1:00 PM
  B. Xavier et al: Analysis of colistin (CL) resistance (CR) in Klebsiella pneumoniae (KPN)

- Thursday, September 12, 2013 11:00 AM - 1:00 PM
  M. Herold et al: Colistin Resistance in Klebsiella pneumoniae: Study of Genes Expression Involved in the Lipopolysaccharide Synthesis
• Thursday, September 12, 2013 11:00 AM - 1:00 PM
  M. J. Choi et al: Mutant prevention concentration of colistin in Acinetobacter baumannii, Pseudomonas aeruginosa, and Klebsiella pneumoniae clinical isolates

• Thursday, September 12, 2013 11:00 AM - 1:00 PM

• Thursday, September 12, 2013 11:00 AM - 1:00 PM
  J. Y. Lee et al: Genetic Variations Caused by Colistin-induced Stress and Their Impact on Acquisition of Colistin Resistance in Pseudomonas aeruginosa Clinical Isolates

• Thursday, September 12, 2013 11:00 AM - 1:00 PM
  B. B. Xavier et al: Analysis of colistin (CL) resistance (CR) in Klebsiella pneumoniae (KPN)

• Thursday, September 12, 2013 11:00 AM - 1:00 PM
  Identification Of Genes Related Wot Colistin Resistance By Comparison Of Gene Expression In Y. K. Park et al: Colistin-susceptible And Colistin-resistant Acinetobacter Baumannii Isolates By Whole mRNA Sequencing

• Thursday, September 12, 2013 11:00 AM - 1:00 PM
  G. P. Allen et al: In Vitro Evaluation of Antimicrobial Combinations against NDM-1-Producing Klebsiella pneumonia

• Thursday, September 12, 2013 11:00 AM - 1:00 PM
  N. S. Ly et al: Pharmacodynamics (PD) of Polymyxin B (PB) alone and in combination with Doripenem (DORI) and Rifampicin (RIF) against Pseudomonas aeruginosa ‘Mutators’

• Thursday, September 12, 2013 11:00 AM - 1:00 PM
  K. Abdelraouf et al: Uptake of Polymyxin B into Renal Cells

Friday

• Friday, September 13, 2013 8:30 - 10:30 AM
  P. Koomanachai et al: The Factors Associated with Colistin-Resistance Acinetobacter baumannii from Clinical Isolates in Siriraj Hospital, Thailand
**ICAAC, San Francisco 2012**

**Presentations on colistin**

**Sunday**

<table>
<thead>
<tr>
<th>Presentation</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sunday, September 9, 2012 11:30 AM - 1:30 PM</strong></td>
<td><strong>Poster Session</strong></td>
</tr>
<tr>
<td>A-032 - Optimal Design (OD) of a Colistin Sparse Sampling Schedule for Individual PK-Parameter Estimation</td>
<td>004. Polymyxins and Aminoglycosides: Optimizing PK/PD and Dosing</td>
</tr>
<tr>
<td></td>
<td>Sunday, September 9, 2012 11:30 AM - 1:30 PM</td>
</tr>
<tr>
<td><strong>Sunday, September 9, 2012 11:30 AM - 1:30 PM</strong></td>
<td><strong>Poster Session</strong></td>
</tr>
<tr>
<td>A-035 - Pharmacokinetics of Colistin Methanesulfonate and Colistin after Lung Transplantion in Cystic Fibrosis Patients</td>
<td>004. Polymyxins and Aminoglycosides: Optimizing PK/PD and Dosing</td>
</tr>
<tr>
<td></td>
<td>Sunday, September 9, 2012 11:30 AM - 1:30 PM</td>
</tr>
<tr>
<td><strong>Sunday, September 9, 2012 11:30 AM - 1:30 PM</strong></td>
<td><strong>Poster Session</strong></td>
</tr>
<tr>
<td>A-037 - Plasma Pharmacokinetics And Epithelial Lining Fluid (elf) Concentrations Of Colistin After Nebulisation Or Intravenous Administration Of Colistin Methanesulfonate (cms) In Critical Care Patients</td>
<td>004. Polymyxins and Aminoglycosides: Optimizing PK/PD and Dosing</td>
</tr>
<tr>
<td></td>
<td>Sunday, September 9, 2012 11:30 AM - 1:30 PM</td>
</tr>
<tr>
<td><strong>Sunday, September 9, 2012 11:30 AM - 1:30 PM</strong></td>
<td><strong>Poster Session</strong></td>
</tr>
<tr>
<td>A-036 - Plasma Pharmacokinetics And Sputum Concentrations Of Colistin After Nebulisation Or Intravenous Administration Of Colistin Methansulphonate (cms) To Ambulatories Cystic Fibrosis Patients</td>
<td>004. Polymyxins and Aminoglycosides: Optimizing PK/PD and Dosing</td>
</tr>
<tr>
<td></td>
<td>Sunday, September 9, 2012 11:30 AM - 1:30 PM</td>
</tr>
</tbody>
</table>

EU-project AIDA, grant Health-F3-2011-278348
<table>
<thead>
<tr>
<th>Sunday, September 9, 2012 11:30 AM - 1:30 PM</th>
<th>S. Bouchene, Masters (MA or MS) - PhD Student, L. E. Friberg, PhD - Associate Professor; S. Björkman, PhD - Professor; W. Couet, PhD - Professor; M. O. Karlsson, PhD - Professor; 1Upplasal Univ., Upplasal, Sweden; 2Poitiers Univ., Poitiers, France.</th>
<th>Poster Session 004. Polymyxins and Aminoglycosides: Optimizing PK/PD and Dosing</th>
<th>Sunday, September 9, 2012 11:30 AM - 1:30 PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday, September 9, 2012 11:30 AM - 1:30 PM</td>
<td>H. J. Lee, PhD - Res Fell; J. Wang, PhD - Sen Res Fell; C. Ku, BSc - Res Assist; B. T. Tsuji, Pharm D - Assist Prof; A. Forrest, Pharm D - Prof; J. B. Bulitta, PhD - Sen Res Fell; J. Li, PhD - Assoc Prof; R. L. Nation, PhD - Prof; 1Monash Univ, Melbourne, Australia; 2Univ at Buffalo, Buffalo, NY.</td>
<td>Poster Session 004. Polymyxins and Aminoglycosides: Optimizing PK/PD and Dosing</td>
<td>Sunday, September 9, 2012 11:30 AM - 1:30 PM</td>
</tr>
<tr>
<td>Sunday, September 9, 2012 11:30 AM - 1:30 PM</td>
<td>V. H. Tam, PharmD - Associate Professor, J. He, MS - Research Assistant, K. Abdelraouf, BS - Research Assistant, K. R. Ledesma, BS - Lab Supervisor, M. Hu, PhD - Professor; Univ. of Houston, Houston, TX.</td>
<td>Poster Session 004. Polymyxins and Aminoglycosides: Optimizing PK/PD and Dosing</td>
<td>Sunday, September 9, 2012 11:30 AM - 1:30 PM</td>
</tr>
<tr>
<td>Sunday, September 9, 2012 11:30 AM - 1:30 PM</td>
<td>A. M. Sandri, MD - Doctor; C. B. Landersdorfer, PhD - Senior Research Fellow; J. Jacob, MS - Research Assistant; M. M. Boniatti, MD - Doctor; M. G. Dalarosa, MD - Doctor; D. R. Falci, MD - Doctor; T. F. Behle, MD - Doctor; J. Wang, PhD - Research Fellow; A. Forrest, PharmD - Professor; R. L. Nation, PhD - Professor; A. P. Zavascki, MD - Doctor; J. Li, PhD - A/Professor; 1Univ. Federal do Rio Grande do Sul, Porto Alegre, Brazil; 2Hosp. Sao Lucas da PUCRS, Porto Alegre, Brazil; 3Ctr. for Med. Use &amp; Safety, Monash Univ., Melbourne, Australia; 4Monash Inst. of Pharmaceutical Sci., Monash Univ., Melbourne, Australia; 5Hosp. Nossa Senhora da Conceição, Porto Alegre, Brazil; 6Hosp. de Clin. de Porto Alegre, Porto Alegre, Brazil; 7Sch. of Pharmacy &amp; Pharmaceutical Sci., SUNY, Buffalo, NY.</td>
<td>Poster Session 004. Polymyxins and Aminoglycosides: Optimizing PK/PD and Dosing</td>
<td>Sunday, September 9, 2012 11:30 AM - 1:30 PM</td>
</tr>
<tr>
<td>Poster Session</td>
<td>Title</td>
<td>Authors</td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td>----------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>002. Polymyxins</td>
<td>A Project to Study the Long-Term Effectiveness of Old Antibiotics</td>
<td>C. J. Kubin, PharmD, E. Broun, B.A., K. M. Abildskov, MS, J. Horan, MD, T. A. Thomas, PhD, M. T. Yin, MD, S. Cremers, PhD, M. T. Yin, MD, T. A. Thomas, PhD, S. Cremers, PhD.</td>
<td></td>
</tr>
<tr>
<td>003. Aminoglycosides</td>
<td>Optimizing PK/PD and Dosing</td>
<td>K. A. Abdelraouf, BS, J. He, M. K. Ledesma, B.S., M. Hu, PhD, V. H. Tam, PharmD, M. Hu, PhD, V. H. Tam, PharmD.</td>
<td></td>
</tr>
<tr>
<td>004. Polymyxins</td>
<td>Aminoglycosides: Optimizing PK/PD and Dosing</td>
<td>U. Wu, MD, J. Wang, MD, C. Yang, MD, C. Lin, MD, S. Chang, MD.</td>
<td></td>
</tr>
<tr>
<td>006. Polymyxins</td>
<td>Aminoglycosides: Optimizing PK/PD and Dosing</td>
<td>L. N. Andrade, MD, L. Vitali, Biologist, R. Martinez, MD, A. C. Darini, MD.</td>
<td></td>
</tr>
<tr>
<td>007. Polymyxins</td>
<td>Aminoglycosides: Optimizing PK/PD and Dosing</td>
<td>Faculdade de Ciências Farmacêuticas de Ribeirão Preto - USP, Ribeirão Preto, Brazil, Hosp. das Clínicas - Faculdade de Medicina de Ribeirão Preto - USP, Ribeirão Preto, Brazil.</td>
<td></td>
</tr>
</tbody>
</table>

**Sunday, September 9, 2012 11:30 AM - 1:30 PM**

**A-026 - Clinical Pharmacokinetics of Intravenous Polymyxin B1 and B2**

C. J. Kubin, PharmD - Clinical Pharmacist, E. Broun, B.A. - Research Fellow, K. M. Abildskov, MS - Senior Research Scientist, J. Horan, MD - Fellow, T. A. Thomas, PhD - Associate Research Scientist, M. T. Yin, MD - Assistant Professor, S. Cremers, PhD, PharmD - Assistant Professor; Columbia Univ Med Ctr, New York, NY; Duke Univ, Durham, NC.

**Sunday, September 9, 2012 11:30 AM - 1:30 PM**

**A-028 - Pharmacokinetics and Renal Disposition of Polymyxin B**

K. A. Abdelraouf, BS - Research Assistant, J. He, MS - Research Assistant, K. R. Ledesma, B.S. - Research Assistant, M. Hu, PhD - Professor, V. H. Tam, PharmD - Associate Professor; Univ. of Houston, Houston, TX.

**Sunday, September 9, 2012 11:30 AM - 1:30 PM**

**C2-097 - Carbapenem-Non susceptible Enterobacteriaceae Infection: Impact of Carbapenemases Production and In Vitro Susceptibility to Tigecycline and Colistin on Mortality**

U. Wu, MD (Doctor of Medicine) - Attending physician, J. Wang, MD - Attending physician, Y. Chen, MD - Attending physician, C. Yang, MD - Attending physician, C. Lin, MD - Attending physician, S. Chang, MD - Attending physician; Natl. Taiwan Univ. Hosp., Taipei, Taiwan, Far Eastern Mem. Hosp., Taipei, Taiwan, Natl. Taiwan Univ. Hosp., Yun-Lin Branch, Dao-Liou, Taiwan.

**Sunday, September 9, 2012 11:30 AM - 1:30 PM**

**A-034 - Risk Factors for and Incidence of Nephrotoxicity Associated with Intravenous Colistin in the Modern Era: A Systematic Review**

H. Pulluru, MBBS - Research Assistant, K. S. Kaye, MD, MPH - Professor, J. M. Pogue, PharmD - Pharmacist, D. Marchaim, MD - Clinical Instructor, K. Hayakawa, MD, PhD - Fellow; Detroit Med. Ctr. (DMC), Wayne State Univ., Detroit, MI.

**Sunday, September 9, 2012 11:30 AM - 1:30 PM**

**C2-086 - Emergence of Polymyxin B-Resistant KPC-2-Producing Klebsiella pneumoniae ST11 Clone in an University Hospital in Brazil**

L. N. Andrade, MD, PhD - Postdoctoral fellow FAPESP 2011/08892, L. Vitali, Biologist, G. G. Gaspar, MS - Doctor, R. Martinez, MD, PhD - Professor, A. C. Darini, MD, PhD - Professor; Faculdade de Ciências Farmacêuticas de Ribeirão Preto - USP, Ribeirão Preto, Brazil, Hosp. das Clínicas - Faculdade de Medicina de Ribeirão Preto - USP, Ribeirão Preto, Brazil.
<table>
<thead>
<tr>
<th>Sunday, September 9, 2012 11:30 AM - 1:30 PM</th>
<th>A-023 - In Vitro Pharmacodynamics of Polymyxin B (PMB) and Tigecycline (TGC) Alone and in Combination against Multidrug Resistant (MDR) Acinetobacter baumannii (ACB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Hagihara, Ph D - Fel. 1,2, S. T. Housman, Pharm D - Fel. 1, D. P. Nicolau, Pharm D - Dir. 1, J. L. Kuti, Pharm D - As. Dir. 1; 1Ctr. Anti-Infect. Res. and Dev., Hartford Hosp., Hartford, CT, 2Aichi Med. Univ., Aichi, Japan.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sunday, September 9, 2012 11:30 AM - 1:30 PM</th>
<th>E-195 - In-vitro Activity of Piperacillin-Tazobactam (PT) in Combination (combi) with Various Antibiotics (abx) Against Extreme drug-Resistant (XDR) Enterobacteriaceae (EB) with Reduced Susceptibilities to Polymyxin B (PB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T. P. Lim, BSc - Senior Pharmacist 1,2, S. Sasikala, BSc - Lab Assistant 1, W. Lee, MSc - Principal Clinical Pharmacist 1, N. Tahir, Dip - Lab Assistant 1, Y. Cai, BSc - Pharmacist 1, T. H. Koh, MD - Senior Consultant 1, Y. Tan, MD - Senior Consultant 1, L. Y. Hsu, MD - Asst Professor 1, T. T. Tan, MD - Senior Consultant 1, A. L. Kwa, PharmD - Pharmacy Clinician Scientist 1; 1Singapore Gen. Hosp., Singapore, Singapore, 2Natl. Univ. Hosp. System, Singapore, Singapore, 3Changi Gen. Hosp., Singapore, Singapore, 4Univ. of Pittsburgh, Pittsburgh, PA.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sunday, September 9, 2012 11:30 AM - 1:30 PM</th>
<th>A-024 - Polymyxin B (PB) in Combination (Combi) with Doripenem (D) against Acinetobacter baumannii (Ab) demonstrates High Synergy and Suppression of Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>G. G. Rao, MS, PharmD - Fellow 1, N. S. Ly, BS - PhD Student 1, R. L. Soon, PhD - Fellow 1, M. D. San Roman, PharmD - Student 1, P. A. Keichlin, BS - Res asst 1, P. N. Holden, MS - Res asst 1, P. Bergen, PhD - Asst Lect 1, J. B. Bulitta, PhD - Sr Res Fellow 1, 1A. Forrest, PharmD - Res Prof 1, R. L. Nation, PhD - Prof 1, J. Li, PhD - Assoc prof 1, B. T. Tsuji, PharmD - Asst Prof 1; 2SUNY, Buffalo, NY, 2Monash Univ, Melb, Australia.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sunday, September 9, 2012 11:30 AM - 1:30 PM</th>
<th>A-025 - Pulmonary Target Delivery of Polymyxin B for Enhanced Efficacy</th>
</tr>
</thead>
<tbody>
<tr>
<td>- 1:30 PM A-025 - Pulmonary Target Delivery of Polymyxin B for Enhanced Efficacy J. He, MS - Research Assistant, K. Abdelraouf, BS - Research Assistant, K. R. Ledesma, BS - Lab supervisor, D. S. Chow, PhD - Professor, V. H. Tam, Pharm. D. - Associate Professor; Univ. of Houston, Houston, TX.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Posters</th>
<th>Posters</th>
<th>Posters</th>
<th>Posters</th>
</tr>
</thead>
</table>

EU-project AIDA, grant Health-F3-2011-278348
### Monday, September 10, 2012 11:15 AM - 1:15 PM

**E-793 - Bactericidal Activity of Multiple Combinations of Fosfomycin and Colistin Against NDM-1 Producing Enterobacteriaceae**

M. S. Albur, M.D. MRCP, FRCPath (Micro), DTM & H - Specialist Registrar (Trainee), A. R. Noel, MSc - Research Scientist, K. E. Bowker, PhD - Clinical Scientist, A. P. MacGowan, MD, FRCP, FRCPath - Professor; North Bristol NHS Trust, Bristol, United Kingdom.

**Poster Session**

094. In Vitro Activity Against Multidrug Resistant Gram-Negative Bacteria

Monday, September 10, 2012 11:15 AM - 1:15 PM

<table>
<thead>
<tr>
<th>Poster Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>094. In Vitro Activity Against Multidrug Resistant Gram-Negative Bacteria</td>
<td>In Vitro Activity Against Multidrug Resistant Gram-Negative Bacteria</td>
<td>M. S. Albur, M.D. MRCP, FRCPath(Micr), DTM &amp; H - Specialist Registrar (Advanced Fellow grade), K. E. Bowker, PhD - Clinical Scientist, A. R. Noel, M.Sc. - Research Scientist, A. P. MacGowan, MD, FRCP, FRCPath - Professor; North Bristol NHS Trust, Bristol, United Kingdom.</td>
</tr>
</tbody>
</table>

**Monday, September 10, 2012 11:15 AM - 1:15 PM**

**D-763 - Colistin MIC Testing: The Effect of Different Types of Microtitre Trays and Surfactant Tween80 in Broth Microdilution Method**

M. S. Albur, M.D. MRCP, FRCPath(Micr), DTM & H - Specialist Registrar (Advanced Fellow grade), K. E. Bowker, PhD - Clinical Scientist, A. R. Noel, M.Sc. - Research Scientist, A. P. MacGowan, MD, FRCP, FRCPath - Professor; North Bristol NHS Trust, Bristol, United Kingdom.

**Poster Session**

092. Phenotypic Susceptibility Testing Methods

Monday, September 10, 2012 11:15 AM - 1:15 PM

<table>
<thead>
<tr>
<th>Poster Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>092. Phenotypic Susceptibility Testing Methods</td>
<td>Phenotypic Susceptibility Testing Methods</td>
<td>R. K. Shields, PharmD - Assistant Professor, C. J. Clancy, MD - Associate Professor, E. G. Press, BS - Research Assistant, J. Hong, MD - Fellow, C. A. Updike, BS - Research Assistant, M. H. Nguyen, MD - Professor; Univ. of Pittsburgh, Pittsburgh, PA.</td>
</tr>
</tbody>
</table>

**Monday, September 10, 2012 11:15 AM - 1:15 PM**

**E-804 - Discrepancies between Colistin (COL) MICs and Inhibition of Acinetobacter (Ab) and Klebsiella (Kp) during Time-kill Assays (TKA)**

R. K. Shields, PharmD - Assistant Professor, C. J. Clancy, MD - Associate Professor, E. G. Press, BS - Research Assistant, J. Hong, MD - Fellow, C. A. Updike, BS - Research Assistant, M. H. Nguyen, MD - Professor; Univ. of Pittsburgh, Pittsburgh, PA.

**Poster Session**

094. In Vitro Activity Against Multidrug Resistant Gram-Negative Bacteria

Monday, September 10, 2012 11:15 AM - 1:15 PM

<table>
<thead>
<tr>
<th>Poster Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>094. In Vitro Activity Against Multidrug Resistant Gram-Negative Bacteria</td>
<td>In Vitro Activity Against Multidrug Resistant Gram-Negative Bacteria</td>
<td>G. C. Lee, Pharm D - MS Candidate 1,2, D. S. Burgess, Pharm D - Clinical Professor 1,2; 1Univ. of TX Col. of Pharmacy, Austin, TX, 2UT Hlth. Sci. Ctr., San Antonio, TX.</td>
</tr>
</tbody>
</table>

**Monday, September 10, 2012 11:15 AM - 1:15 PM**

**E-794 - In Vitro Activity of Colistin Alone and in Combination with Doripenem against KPC-producing K. pneumoniae Isolates**

G. C. Lee, Pharm D - MS Candidate 1,2, D. S. Burgess, Pharm D - Clinical Professor 1,2; 1Univ. of TX Col. of Pharmacy, Austin, TX, 2UT Hlth. Sci. Ctr., San Antonio, TX.

**Poster Session**

094. In Vitro Activity Against Multidrug Resistant Gram-Negative Bacteria

Monday, September 10, 2012 11:15 AM - 1:15 PM

<table>
<thead>
<tr>
<th>Poster Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>094. In Vitro Activity Against Multidrug Resistant Gram-Negative Bacteria</td>
<td>In Vitro Activity Against Multidrug Resistant Gram-Negative Bacteria</td>
<td>L. M. Gillis, Pharm D - Pharmacy Resident, E. G. Press, BS - Research Assistant, M. H. Nguyen, MD - Professor, C. J. Clancy, MD - Associate Professor, R. K. Shields, PharmD - Assistant Professor; Univ. of Pittsburgh, Pittsburgh, PA.</td>
</tr>
</tbody>
</table>

**Monday, September 10, 2012 11:15 AM - 1:15 PM**

**E-786 - In vitro and in vivo Responses of Acinetobacter baumannii (Ab) Isolates to Colistin (COL) and Doripenem (DOR) Following Previous Exposure**

L. M. Gillis, Pharm D - Pharmacy Resident, E. G. Press, BS - Research Assistant, M. H. Nguyen, MD - Professor, C. J. Clancy, MD - Associate Professor, R. K. Shields, PharmD - Assistant Professor; Univ. of Pittsburgh, Pittsburgh, PA.

**Poster Session**

094. In Vitro Activity Against Multidrug Resistant Gram-Negative Bacteria

Monday, September 10, 2012 11:15 AM - 1:15 PM

<table>
<thead>
<tr>
<th>Poster Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>094. In Vitro Activity Against Multidrug Resistant Gram-Negative Bacteria</td>
<td>In Vitro Activity Against Multidrug Resistant Gram-Negative Bacteria</td>
<td>L. Phee, MD - Research Assistant 1, M. Hornsey, PhD - Research Assistant 1, D. Wareham, PhD (Doctor of Philosophy) - PI 2; 1Barts Hlth., NHS Trust, London, United Kingdom, 2QMUL, London, United Kingdom.</td>
</tr>
</tbody>
</table>

**Monday, September 10, 2012 11:15 AM - 1:15 PM**

**E-797 - In-vitro Activity of Daptomycin in Combination with Low-dose Colistin versus a Diverse Collection of Gram-negative Bacterial Pathogens**

L. Phee, MD - Research Assistant 1, M. Hornsey, PhD - Research Assistant 1, D. Wareham, PhD (Doctor of Philosophy) - PI 2; 1Barts Hlth., NHS Trust, London, United Kingdom, 2QMUL, London, United Kingdom.

**Poster Session**

094. In Vitro Activity Against Multidrug Resistant Gram-Negative Bacteria

Monday, September 10, 2012 11:15 AM - 1:15 PM

<table>
<thead>
<tr>
<th>Poster Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>094. In Vitro Activity Against Multidrug Resistant Gram-Negative Bacteria</td>
<td>In Vitro Activity Against Multidrug Resistant Gram-Negative Bacteria</td>
<td>S. Zelenitsky, PharmD - Professor 1, E. Rubinstein, MD - Professor 1, R. Ariano, PharmD - Clinical Pharmacist 2, G. Zhanel, PhD - Professor 3; 1Univ of Manitoba, Winnipeg, Canada, 2St. Boniface Gen. Hosp., Winnipeg, Canada.</td>
</tr>
</tbody>
</table>

**Monday, September 10, 2012 11:15 AM - 1:15 PM**

**A-639 - Integrating Pharmacodynamics and MIC Distributions to Assess Changing Activity of Amikacin, Cefepime, Ciprofloxacin**

S. Zelenitsky, PharmD - Professor 1, E. Rubinstein, MD - Professor 1, R. Ariano, PharmD - Clinical Pharmacist 2, G. Zhanel, PhD - Professor 3; 1Univ of Manitoba, Winnipeg, Canada, 2St. Boniface Gen. Hosp., Winnipeg, Canada.

**Poster Session**

083. Improving Pharmacodynamics of Beta-Lactams and Beta-Lactamase Inhibitors

Monday, September 10, 2012 11:15 AM - 1:15 PM

<table>
<thead>
<tr>
<th>Poster Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>083. Improving Pharmacodynamics of Beta-Lactams and Beta-Lactamase Inhibitors</td>
<td>Improving Pharmacodynamics of Beta-Lactams and Beta-Lactamase Inhibitors</td>
<td>S. Zelenitsky, PharmD - Professor 1, E. Rubinstein, MD - Professor 1, R. Ariano, PharmD - Clinical Pharmacist 2, G. Zhanel, PhD - Professor 3; 1Univ of Manitoba, Winnipeg, Canada, 2St. Boniface Gen. Hosp., Winnipeg, Canada.</td>
</tr>
</tbody>
</table>
### Colistin, Gentamicin, Meropenem and Piperacillin-Tazobactam against Clinical Strains of *Pseudomonas aeruginosa* in Canadian Hospitals from 2007 to 2011

<table>
<thead>
<tr>
<th>Monday, September 10, 2012 11:15 AM - 1:15 PM</th>
<th>11:15 AM - 1:15 PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-792 - Porin Expression Predicts Responses of Carbapenemase-Producing <em>Klebsiella pneumoniae</em> (KPC) to the Combination of Doriopenem (DOR)+Ertapenem (ERT)+Colistin (COL) In Vitro</td>
<td>J. H. Hong, MD - <em>Fellow</em> 1, S. Cheng, PhD - <em>Research Associate professor</em> 2, R. Shields, PharmD - <em>Assistant Professor</em> 3, Y. Doi, MD, PhD - <em>Assistant Professor</em> 4, L. Chen, PhD - <em>Research Associate</em> 5, Y. Zhao, PhD - <em>Research Associate</em> 6, B. N. Kreiswirth, PhD - <em>Professor</em> 6, C. Clancy, MD - <em>Associate Professor</em> 1, M. H. Nguyen, MD - <em>Professor</em> 1; 1Univ. of Pittsburgh Med. Ctr., Pittsburgh, PA, 2Univ. of Pittsburg, Pittsburg, PA, 3Publ. Hlth. Res Ins, Uni of Med &amp; Den of NJ, Newark</td>
</tr>
</tbody>
</table>

### Monday, September 10, 2012 9:45 AM - 10:00 AM

<table>
<thead>
<tr>
<th>Monday, September 10, 2012 11:15 AM - 1:15 PM</th>
<th>11:15 AM - 1:15 PM</th>
</tr>
</thead>
</table>

### Monday, September 10, 2012 11:15 AM - 1:15 PM
D-761 - Susceptibility of Multi-drug Resistant Strains of *Acinetobacter baumannii* to Colistin: A comparison of Disc Diffusion, Agar Dilution, Etest, Broth Microtitre Dilution, Automated and Time-kill Methodologies

<table>
<thead>
<tr>
<th>Monday, September 10, 2012 11:15 AM - 1:15 PM</th>
<th>11:15 AM - 1:15 PM</th>
</tr>
</thead>
</table>

### Monday, September 10, 2012 11:15 AM - 1:15 PM
E-796 - Synergistic Activity of Colistin (COL) plus Rifaxampin (RIF) Against COL-Resistant (R) and Susceptible (S) KPC-producing *Klebsiella pneumoniae* (KPC-KP) clinical isolates

<table>
<thead>
<tr>
<th>Monday, September 10, 2012 11:15 AM - 1:15 PM</th>
<th>11:15 AM - 1:15 PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. Tagliaferri, MD - <em>MD</em> 1, C. Tascini, MD - <em>MD</em> 1, S. Flammini, MD - <em>MD</em> 1, T. Giani, MD - <em>MD</em> 1, A. Leonildi, Other - <em>Biologist</em> 1, I. Ciullo, Other - <em>Other</em> 1, G. Rossolini, PhD - <em>Professor</em> 2, F. Menichetti, MD - <em>MD</em> 1; 1Azienda Ospedaliera Universitaria Pisana, Pisa, Italy, 2Università di Siena, Siena, Italy.</td>
<td>Poster Session 094. In Vitro Activity Against Multidrug Resistant Gram-Negative Bacteria Monday, September 10, 2012 11:15 AM - 1:15 PM</td>
</tr>
</tbody>
</table>

### Monday, September 10, 2012 10:00 AM - 10:30 AM
503 - Polymyxin Nephrotoxicity: What Do We Know and How Might Understanding Its Mechanism Help?

<table>
<thead>
<tr>
<th>Monday, September 10, 2012 10:00 AM - 10:30 AM</th>
<th>Symosium 061. Targeting Gram-Negative Superbugs with Polymyxins: From Lab-Bench to Bedside Monday, September 10, 2012 8:30 - 10:30 AM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vincent H. Tam, PharmD Univ. of Houston Coll. of Pharmacy, Houston, TX.</td>
<td></td>
</tr>
</tbody>
</table>
Study Polymyxin B: A Case Bacteremia Susceptible Only To Resistant Acinetobacter baumannii

Monday, September 10, 2012 11:15 AM - 1:15 PM
E-788 - Synergistic Activity of Polymyxin B Associated with Vancomycin or Imipenem Against OXA-143, OXA-23, OXA-58, and OXA-72-producing Acinetobacter baumannii

M. Medeiros, MS - Master Student, N. Lincopan, PhD - Professor; Univ.e de São Paulo, São Paulo, Brazil.

Monday, September 10, 2012 11:15 AM - 1:15 PM
E-785 - An Evaluation of Polymyxin B (PB) and Tigecycline (TIG) combinations against Acinetobacter baumannii (Ab)

G. G. Rao, PharmD - Fellow¹, N. S. Ly, BS - PhD Student ², R. L. Nation, PhD - Prof ³, A. Forrest, PharmD - Res Prof ³, J. B. Bulitta, PhD - Sr Res Fellow ³, J. Li, PhD - Assoc Prof ³, B. T. Tsuji, PharmD - Asst Prof ³; ¹SUNY, Buffalo, NY, ²Monash Univ., Melb, Australia, ³Ctri. for Med Use & Safety, Monash Univ, Melb, Australia.

Monday, September 10, 2012 11:15 AM - 1:15 PM
E-790 - In Vitro Activity and Negative Bacteria Multidrug Resistant Gram-Positive Organisms

K. M. Tarquinio, MD - Attending Physician ¹, K. L. Confreda, BS - Research Assistant ², K. L. LaPlante, PharmD - Director ³, ⁴Rhode Island Hosp. Pediatric Critical Care Med., Providence, RI; ²Brown Univ., Providence, RI; ³Providence VA Ind Res. Program, Providence, RI; ⁴Univ. of Rhode Island Coll. of Pharmacy, Kingston, RI.

Monday, September 10, 2012 11:15 AM - 1:15 PM
E-795 - Optimizing Polymyxin (POL) Combinations (combs) with ‘Old’ Antibiotics against NDM-producing Klebsiella pneumoniae (Kp)

H. J. Lee, PhD - Research Fellow ², K. Davis, BSc - Research Assistant ³, C. Ku, BSc - Research Assistant ³, H. H. Yu, BSc - Research Assistant ³, A. Poudyal, BSc, Hons - Research Assistant ³, J. Jacob, MS - Research Assistant ³, B. Y. Liu, MSc - PhD student ⁴, J. Fu, PhD - Lecturer ⁵, D. L. Paterson, MD, PhD - Professor ⁶, R. L. Nation, PhD - Professor ¹, J. Li, PhD - Assistant Professor ³; ¹Monash Inst. of Pharmaceutical Sci., Monash Univ., Melbourne, Australia; ²Dept. of Mechanical Engineering, Monash Univ., Melbourne, Australia; ³Univ. of QueensLand Ctri. for Clin. Res., Brisbane, Australia.

Monday, September 10, 2012 11:15 AM - 1:15 PM
K-899 - Risk Factors For Extensively Resistant Acinetobacter Baumannii Bacteremia Susceptible Only To Polymyxin B: A Case-case Control Study

T. M. Ng, Bsc(Pharm) - Senior Pharmacist ⁷, D. C. Lye, MBBS - Senior Consultant ¹, C. B. Teng, MPHarm(Clin) - Asst Professor ²; ¹Tan Tock Seng Hosp., Singapore, Singapore, ²Natl. Univ. of Singapore, Singapore, Singapore.
E-791 - Amikacin (A) & Meropenem (M) & Polymyxin B (P) is Bactericidal Against Pandrug-Resistant (PDR) Pseudomonas aeruginosa (PA) & Suppress the Emergence of Resistance up to 120 hours in a Hollow Fiber Infection Model (HFIM)

T. P. Lim, BSc - Senior Pharmacist, S. Sasikala, BSc - Lab Assistant, W. Lee, MSc - Principal Clinical Pharmacist, T. Y. Tan, MD - Senior Consultant, L. Y. Hsu, MD - Asst Professor, T. T. Tan, MD - Senior Consultant, A. L. Kwa, PharmD - Pharmacy Clinician Scientist


Monday, September 10, 2012 11:15 AM - 1:15 PM

501 - Polymyxin Therapy: What Does Combination Therapy Offer in the Clinical Setting?
Keith Kaye, MD, MPH - Need
Wayne State Univ. and Detroit Med. Ctr., Detroit, MI.

Monday, September 10, 2012 9:00 AM - 9:30 AM

500 - Mechanisms of Activity of Polymyxins and Resistance
Jian Li, PhD - Associate Professor

Monday, September 10, 2012 8:30 AM - 9:00 AM

502 - Inhaled Polymyxins in Patients with Pneumonia and Cystic Fibrosis
William Couet, PhD - Professor
Université de Poitiers, Poitiers, France.

Monday, September 10, 2012 9:30 AM - 10:00 AM

Symposium
094. In Vitro Activity Against Multidrug Resistant Gram-Negative Bacteria
Monday, September 10, 2012 11:15 AM - 1:15 PM

Symposium
061. Targeting Gram-Negative Superbugs with Polymyxins: From Lab-Bench to Bedside
Monday, September 10, 2012 8:30 - 10:30 AM

Symposium
061. Targeting Gram-Negative Superbugs with Polymyxins: From Lab-Bench to Bedside
Monday, September 10, 2012 8:30 - 10:30 AM

Symposium
061. Targeting Gram-Negative Superbugs with Polymyxins: From Lab-Bench to Bedside
Monday, September 10, 2012 8:30 - 10:30 AM
### Tuesday, September 11, 2012 11:15 AM - 1:15 PM

#### K-1607 - Colistin With Carbapenem To Treat Extensively Drug Resistant A. Baumannii (XDRAB) Bacteremia Achieved Better Microbiological Outcomes Than Colistin With Tigecycline

A. Cheng, MD (Doctor of Medicine) - **Fellow**, H. Sun, MD - VS, Y. Chuang, MD - VS, C. Yang, MD - VS, C. Yang, MD - VS, Y. C. Chen, MD PhD - Prof., S. C. Chang, MD PhD - Prof.

1NTUH, Taipei, Taiwan, 2FEMH, New Taipei City, Taiwan, 3FEMH, Taipei, Taiwan, 4NTUH, Douliou, Taiwan.

#### Tuesday, September 11, 2012 11:15 AM - 1:15 PM

#### K-1602 - Randomized Controlled Trial of Colistin (COL) vs. Colistin plus Fosfomycin (COL + FOS) for Infections Caused by Carbapenem-Resistant (CR) Acinetobacter baumannii

R. Sirijatuphat, MD - **Instructor**, P. Koomanachai, MD - Assistant Professor of Medicine, V. Thamlikitkul, MD - Professor of Medicine; Siriraj Hosp., Bangkok, Thailand.

#### Tuesday, September 11, 2012 11:15 AM - 1:15 PM

#### B-1299 - Activity of Telavancin in Combination with Colistin in a Galleria mellonella Model of Acinetobacter baumannii Infection.

M. Horsney, PhD - **Research Assistant**, L. Phee, MD - Research Assistant, C. Longshaw, PhD - Director, D. Wareham, PhD (Doctor of Philosophy) - PI.

1QMUL, London, United Kingdom, 2Barts Hlth., NHS Trust, London, United Kingdom, 3Astellas Europe, London, United Kingdom.

#### Tuesday, September 11, 2012 11:15 AM - 1:15 PM

#### K-1605 - Predictors of treatment failure in patients infected with resistant Acinetobacter baumannii (Ab) treated with Colistin (COL) plus Doripenem (DOR)

L. M. Gillis, Pharm D - **Pharmacy Resident**, M. H. Nguyen, MD - Professor, C. J. Clancy, MD - Associate Professor, R. K. Shields, PharmD - Assistant Professor; Univ. of Pittsburgh, Pittsburgh, PA.

#### Tuesday, September 11, 2012 11:15 AM - 1:15 PM

#### K-1620 - Factors Associated with the Development of Polymyxin B Resistance in Klebsiella pneumoniae

S. R. Rosen, PharmD - **Pharmacy Resident**, C. J. Kubin, PharmD - **Clinical Pharmacist**, K. Wright, PharmD - **Clinical Pharmacist**, A. Lat, PharmD - **Clinical Pharmacist**, E. Y. Furuya, MD, MS - Assistant Professor, M. T. Yin, MD, MS - Assistant Professor.

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday, September 12, 2012 9:15 - 11:15 AM</td>
<td>F-2008 - Comparative In Vitro Toxicity of Colistin, CMS and Dextrin-Colistin Conjugates</td>
<td>E. Ferguson, MPharm PhD - Research Fellow, J. Roberts, BSc PhD - Research Associate, D. Thomas, FDSRCS MScD PhD - Professor; Cardiff Univ., Cardiff, United Kingdom.</td>
</tr>
<tr>
<td>Wednesday, September 12, 2012 9:15 - 11:15 AM</td>
<td>F-2006 - Development of an In Vitro Pharmacokinetic/Pharmacodynamic Model for Studying Novel Nanoantibiotics: Dextrin-Colistin Conjugates</td>
<td>E. Azzopardi, MRCSEd MscSurg MD - Clinical Lecturer, E. Ferguson, MPharm PhD - Research Fellow, D. Thomas, FDSRCS MScD PhD - Professor; Cardiff Univ., Cardiff, United Kingdom.</td>
</tr>
<tr>
<td>Wednesday, September 12, 2012 9:15 - 11:15 AM</td>
<td>F-2007 - Use of Small-Angle Neutron Scattering to Investigate the Mechanism of Action of Bioreponsive Dextrin-Colistin Conjugates</td>
<td>E. Ferguson, MPharm PhD - Research Fellow, J. Roberts, MSc PhD - Research Associate 1, R. Schweins, PhD - D11 Co-responsible 2, D. Thomas, FDSRCS MScD PhD - Professor 1, P. Griffiths, BSc PhD - Reader 1; 1Cardiff Univ., Cardiff, United Kingdom, 2Institut Laue-Langevin, Grenoble, France.</td>
</tr>
</tbody>
</table>

**Poster Session**

246. New Ways with Old Friends: Repurposing and Novel Formulations

Wednesday, September 12, 2012 9:15 - 11:15 AM