

Kimberly D. Leuthner, Pharm.D.

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Current Position

University Medical Center of
Southern Nevada
Las Vegas, NV

Clinical Specialist, Infectious Diseases

Diana Bond, RPh
November 2005 to present

Responsible for antimicrobial monitoring, education and precepting in infectious diseases. Intricately involved with infection control policies and DUE monitoring. Will be pursuing clinical research projects, until facilities are complete for in vitro research.

Education and Training

Fellowship

Wayne State University; Eugene
Applebaum College of Pharmacy
& Health Sciences
Detroit, MI

Infectious Diseases Pharmacotherapy

Michael J. Rybak, Pharm.D., M.S., FCCP, BCPS
July 2003 to November 2005

ACCP recognized fellowship involving training in laboratory research skills and processes investigating antimicrobial pharmacokinetics and pharmacodynamics, along with gaining experience with Gram-positive and Gram-negative bacteria focusing on resistance. Teaching requirements along with precepting pharmacy students and graduate level statistics and grant writing classes.

Residency

University Medical Center of Southern Nevada
Las Vegas, NV

General Pharmacy Practice Residency
Wendy Cantrell, Pharm.D., BCPS
July 2002 to June 2003

ASHP accredited general pharmacy practice residency. Rotations included several specialties: Infectious Disease, Cardiology, Oncology, Trauma Surgery, Administration along with Internal Medicine. Participated in several projects including a drug utilization evaluation, a research project for presentation at the Western States Conference along with experience lecturing and precepting pharmacy students.

Education

University of New Mexico
College of Pharmacy
Albuquerque, NM

Graduated May 2002
Cumulative GPA 3.46

Completed rotations in several specialties including Infectious Diseases, Cardiology, and Pediatric Oncology in addition to the required course work of pharmacotherapeutics and pharmacokinetics along with a research project in pharmaceuticals.

University of New Mexico
Albuquerque, NM
Completed Undergraduate May 1998
Cumulative GPA 3.41
Courses included general biology, microbiology, anatomy and physiology including a cadaver lab, organic and inorganic chemistry, physics, statistics and calculus to prepare for pharmacy school along with other general electives such as geology, geography, Russian language and history.

Licensure and Certification

Registered Pharmacist – State of Nevada July 2002 to present

Advanced Cardiovascular Life Support Program August 2002 to August 2004
American Heart Association

Basic Life Support September 2000 to August 2004
American Heart Association

Employment History

KMart Corporation November 1999 to May 2001
Pharmacy Intern (505) 299-7683
Albuquerque, NM Frank Calabro
Experience in counseling patients about medications, working with insurance companies and their formularies and interacting with other health care professionals.

Presbyterian Hospital April 1999 to November 1999
Pharmacy Intern (505) 841-1151
Albuquerque, NM Lester Gyongyosi
Experience in several areas including working with sterile products and other health care professionals, while learning how to use the literature for reference material.

Teaching Experience

Adjunct Instructor – Pharm.D. Infectious Diseases January 2004 to July 2005
Module; therapeutics lecture
Wayne State University, Eugene Applebaum College of Pharmacy & Health Sciences

Adjunct Preceptor – Pharmacy Students July 2002 to June 2003

Guest Lecturer – Pharm.D. Infectious Diseases Module; January 2003
therapeutics/clinical applications lecture
Nevada College of Pharmacy

Presentations

- December 2005 An In Vitro Evaluation of Combination Cefepime and Sulbactam Effects on Methacillin-Resistant *Staphylococcus aureus* (MRSA) – poster
45th International Conference of Antimicrobial Agents and Chemotherapy; Washington DC
- December 2005 In Vitro Evaluation of Pulsatile Delivery of Clarithromycin Alone and in Combination with Amoxicillin against Clinical Isolates of *Haemophilus influenzae* (H.flu) – poster
45th International Conference of Antimicrobial Agents and Chemotherapy; Washington DC
- December 2005 Impact of Cefepime and Sulbactam Combination on Resistance Development on Clinical Strains of Multi-Drug Resistant *Acinetobacter* Spp. (MDR-A) – poster
45th International Conference of Antimicrobial Agents and Chemotherapy; Washington DC
- May 2005 Vancomycin pharmacodynamics against hetero-resistant *Staphylococcus aureus* (hGISA) in an in-vitro model with simulated endocardial vegetations (SEV) – platform
8th International Symposium on Modern Concepts in Endocarditis and Cardiovascular Infections; Charleston, SC
- May 2005 Comparison of in vitro activity of cefepime alone or in combination with sulbactam against clinical strains of multi-drug resistant *Acinetobacter* spp.– poster
Making A Difference (MAD) Conference 2005; Phoenix AZ
- January 2005 Pharyngitis, Sinusitis and Ocular Infections PHA-4210
Urinary Tract Infections, PHA-4210
Infectious Diseases and Therapeutics Module, Wayne State University; Detroit, MI
- September 2004 Comparison of Televancin vs. Daptomycin, Linezolid, and Quinupristin/Dalfopristin Against 49 Glycopeptide Non-susceptible Staphylococci including hetero-resistant (hGISA) and Vancomycin-Resistant *Staphylococcus aureus* (VRSA) – poster
44th International Conference of Antimicrobial Agents and Chemotherapy; Washington DC
- September 2004 In vitro Evaluation of Pulsatile Delivery of Clarithromycin alone or in Combination with Amoxicillin against *Streptococcus pneumoniae* with reduced susceptibility to these agents – poster
44th International Conference of Antimicrobial Agents and Chemotherapy; Washington DC

- June 2004 Pulsatile delivery of Clarithromycin alone or in combination with Amoxicillin against *Streptococcus pneumoniae*
Annual Infectious Diseases Pharmacotherapy Fellowship Forum; Vail, CO
- May 2004 Evaluation of Daptomycin, Linezolid, and Quinupristin/Dalfopristin Activity against 49 Glycopeptide Non-susceptible Staphylococci including Vancomycin-Resistant *Staphylococcus aureus* (VRSA) – Platform and Poster
Making A Difference (MAD) Conference 2004; Phoenix AZ
- January 2004 Pharyngitis, Sinusitis and Ocular Infections PHA-4210
Infectious Diseases and Therapeutics Module, Wayne State University; Detroit, MI
- May 2003 Prescribing Patterns of Cholesterol Medication in Patients with Acute Coronary Syndromes
2003 Western States Conference for Pharmacy Practice Residents, Fellows and Preceptors; Asilomar, CA.
- May 2003 Susceptibility Trending of Antibiotics in Three Units of University Medical Center of Southern Nevada – Poster
Making A Difference (MAD) Conference 2003; Orlando, FL
- May 2003 Reyataz: A New Protease Inhibitor
University Medical Center of Southern Nevada; Nursing In-service
- April 2003 Caspofungin vs. Amphotericin for Candida Infections
University Medical Center of Southern Nevada; Management Conference
- April 2003 Winston DJ et al. Randomized Comparison of Oral Valacyclovir and Intravenous Ganciclovir for Prevention of Cytomegalovirus Disease After Allogenic Bone Marrow Transplantation. *CID* 2003;36:749-58.
University Medical Center of Southern Nevada; Journal Club
- February 2003 Farnacho-Montero J et al. Treatment of Multidrug-Resistant *Acinetobacter baumannii* Ventilator-Associated Pneumonia (VAP) with Intravenous Colistin: a Comparison with Imepenem-Susceptible VAP. *CID* 2003;36:1111-8.
University Medical Center of Southern Nevada; Journal Club
- January 2003 Vancomycin Resistant Enterococcus: Current and Upcoming Treatment Options
University Medical Center of Southern Nevada; CE-equivalent presentation
- January 2003 Macrolide Antibiotics – Clinical Applications
Infectious Diseases Module; Nevada College of Pharmacy
- November 2002 Erythromycin for Gastroparesis: Which Dosage Form is Best?
University Medical Center of Southern Nevada; Management Conference

- November 2002 Ortiz-Ruiz Get al. A Study Evaluating the Efficacy, Safety, and Tolerability of Ertapenem versus Ceftriaxone for the Treatment of Community-Acquired Pneumonia CID 2002;34;1076-83.
University Medical Center of Southern Nevada; Journal Club
- October 2002 Total Parental Nutrition in Chylothorax Patients
University Medical Center of Southern Nevada; Management Conference
- September 2002 Tuberculosis Trials Consortium. Rifapentine and Isoniazid Once a Week Versus Rifampicin and Isoniazid Twice a Week for Treatment of Drug-Susceptible Pulmonary Tuberculosis in HIV-Negative Patients: a Randomized Clinical Trial Lancet 2002;360;528-34.
University Medical Center of Southern Nevada; Journal Club
- August 2002 Octreotide and Variceal Bleeding
University Medical Center of Southern Nevada; Management Conference
- August 2002 Veronesi U et al. Twenty-year Follow-up of a Randomized Study Comparing Breast-Conserving Surgery with Radical Mastectomy for Early Breast Cancer. N Eng J Med 2002;247:1227-32.
University Medical Center of Southern Nevada; Journal Club

Research and Publications

Leuthner KD, Cheung C, Rybak MJ. Pulsatile Delivery of Clarithromycin alone or in Combination with Amoxicillin against *Streptococcus pneumoniae*. Antimicrob Agents Chemother 2006; 50(2):813-6.

Leuthner KD, Cheung C, Rybak MJ. Comparative activity of the new lipoglycopeptide Televancin in the presence and absence of serum against 50 glycopeptide non-susceptible staphylococci and three vancomycin-resistant *Staphylococcus aureus*. J Antimicrob Chemo e-published June 20, 2006

LaPlante KL, Rybak MJ, Leuthner KD, Chin JN. Impact of *Enterococcus faecalis* on the bactericidal activities of arbekacin, daptomycin, linezolid and tigecycline against methicillin-resistant *Staphylococcus aureus* in a mixed-pathogen pharmacodynamic model. Antimicrob Agents Chemother 2006; 50(4):1298-1303.

Leuthner KD, Rybak MJ, Aeschlimann JR. Streptogramins; Book Chapter – Antimicrobial Therapy and Vaccines Volume II. Published 2005

Leuthner KD, Rybak MJ, Jones R, Sadler H. Comparison of in vitro activity of cefepime alone or in combination with sulbactam against nosocomial clinical isolates. Status: manuscript in progress

Leuthner KD, Rybak MJ. Pulsatile Delivery of Amoxicillin in combination with Clarithromycin against *Haemophilus influenzae*. Status: manuscript in progress

Leuthner KD, Otremba JO, Rybak MJ. Comparison of Fluoroquinolone ability to select Oxacillin resistance in Oxacillin sensitive *Staphylococcus aureus*. Status: research in progress

Leuthner KD, Rybak MJ. Vancomycin pharmacokinetics against hetero-resistant *Staphylococcus aureus*. Status: manuscript in progress

Leuthner KD, Rybak MJ, Jones R, Sadler H. Comparison of in vitro activity of Cefepime alone or in combination with Sulbactam against Multi-drug resistant *Acinetobacter* clinical isolates. Published: Abstract – 15th European Congress of Clinical Microbiology and Infectious Diseases; Copenhagen Denmark April 1-5, 2005.

Laboratory Experience:

- Developing bench-top research skills required for infectious disease research including MIC/MBC testing, killing curves, and in vitro pharmacodynamic modeling.
- Patient evaluation for inclusion into epidemiologic and outcomes studies including extensive chart reviews and patient consent forms.
- Gaining experience with laboratory equipment including spiral-plating techniques, spectrophotometer analysis, TDx Bioassay, HPLC Assay and Precision machine for MIC testing.
- Future techniques include PCR techniques, Real-time PCR, PFGE proficiency and Kirby-Bauer assays.
- Participated in Hantavirus research with Paul Polechla, Ph.D. including dissection and preparation of animals, allowing experience working in specialized conditions with infectious organisms.
- Assisted Dr. Polechla with animal collection and background research on the University of New Mexico Furbearer Project on the Upper Rio Grande resulting in publication as a student assistant.

Professional Affiliations

- Infectious Disease Society of America Membership (2006-present)
- Eugene Applebaum College of Pharmacy & Health Sciences Pharm.D./MPH Committee; Wayne State University (2004 – 2005)
- UNM College of Pharmacy Community Interaction Committee (1999-2002)
- American Society of Hospital Pharmacists Membership (2002-present)
- American College of Clinical Pharmacy Membership (2002-present)
- American Society of Microbiology Membership (2003-present)
- Rho Chi Member – Chapter Gamma Beta (Inducted 2001)

Special Recognition

Annual Bayer Residency/Fellowship Research Award May 13, 2004; Phoenix, AZ
Presented by Bayer HealthCare Pharmaceuticals at the 7th annual conference of Infectious Diseases Pharmacotherapy on behalf of the Making A Difference (MAD) Scientific Advisory Board in recognition of quality, originality and impact of presented research.

R.U.B.L.E. February 1994 to April 1994
(Russian United States Business Learning Exchange)
Business trip to Moscow and St. Petersburg to learn about the economics, history and culture of Russia.

Awards:

- American Society for Microbiology George McCracken Infectious Diseases Fellowship Travel Award. 45th Interscience Conference on Antimicrobial Agents and Chemotherapy (2005)
- American Society for Microbiology George McCracken Infectious Diseases Fellowship Travel Award. 44th Interscience Conference on Antimicrobial Agents and Chemotherapy (2004)
- Annual Bayer Residency/Fellowship Research Award (2004)
- Dean's List – University of New Mexico College of Pharmacy (1998-2002)
- Rho Chi Pharmaceutical Honor society (2001)
- Amigo and Osco/Save-On/Albertson Scholarships (2001)
- Valedictorian – Horizon High School

References:

Available upon request