

DISCLOSURE OF POTENTIAL CONFLICTS OF INTEREST

Consultancies: Daniel S. Baker (Shionogi); Nicholas S. Britt (Gilead Sciences, Inc, Merck and Co.); Anthony M. Casapao (Spero Therapeutics, Tetrphase, Paratek Pharmaceuticals, Florida Department of Health); Emily L. Heil (Wolters Kluwer/Lexi-Comp); Wesley D. Kufel (Theratechnologies, Inc.); Marguerite L. Monogue (Wolters Kluwer); Eric R. Wenzler (Shionogi, Cepheid, GenMark, Merck and Co.)

Stock Ownership: Lisa M. Avery (Merck)

Royalties:

Grants: Nicholas S. Britt (Gilead Sciences, Inc, Merck and Co.); Wesley D. Kufel (Melinta; Merck); Eric R. Wenzler (Shionogi, Daiichi-Sankyo, Bristol-Myers Squibb, Merck & Co, Inc, Paratek Pharma-ceuticals, Cystic Fibrosis Foundation, Astellas, CDC)

Honoraria: Nicholas S. Britt (ProCE, Inc./Merck); Anthony M. Casapao (Jacksonville University); Bri-an Hoff (Midwestern University College of Pharmacy; American Society of Health-System Pharma-cists); Eric R. Wenzler (Melinta, Astellas, Allergan)

Other:

Nothing to disclose: Maya Beganovic; Jill M. Cowper; Heather L. Cox; Jennifer N. Curello; Lindsay Mayer Daniels; Kierra Dotson; Linda Dresser; Christopher A. Gentry; Geneen M. Gibson; James Go; Bhavik M. Shah; Kayla R. Stover; Bryant Summers; Trang D. Trinh; Lynn C. Wardlow; Rebekah H. Wrenn; Evan J. Zasowski

ROLE OF BPS: The Board of Pharmacy Specialties (BPS) is an autonomous division of the American Pharmacists Association (APhA). To maintain its strict, independent standards for certification, BPS does NOT endorse or provide review information, preparatory courses, or study guides for Board Certification Examinations. The Board, through its specialty councils, is responsible for specialty examination content, administration, scoring, and all other aspects of its certification programs. BPS is totally separate and distinct from ACCP. IDSAP has been approved by BPS for use in BCIDP recertification. Information about the BPS recertification process is available [online](#).

Questions regarding BCIDP recertification should be directed to:

[Board of Pharmacy Specialties](#)

2215 Constitution Avenue NW
Washington, DC 20037
(202) 429-7591

Resistant Gram-Positive Infections I Panel

Series Editors:

Elizabeth S. Dodds Ashley, Pharm.D., MHS, BCPS

Associate Professor of Medicine
Division of Infectious Diseases
Duke University School of Medicine
Director of Operations
Duke Antimicrobial Stewardship Outreach
Network (DASON)
Durham, North Carolina

Alan E. Gross, Pharm.D., BCPS, BCIDP

Clinical Associate Professor
Department of Pharmacy Practice
University of Illinois at Chicago College of Pharmacy
Infectious Diseases Pharmacist
Hospital Pharmacy Services
University of Illinois Hospital and Health
Sciences System
Chicago, Illinois

Faculty Panel Chair:

Whitney J. Nesbitt, Pharm.D., BCPS, BCIDP

Antimicrobial Stewardship Pharmacist
Vanderbilt University Medical Center
Nashville, Tennessee

Staphylococcus aureus

Author

Evan J. Zasowski, Pharm.D., MPH, BCPS, BCIDP

Assistant Professor
Department of Clinical Sciences
Touro University California College of Pharmacy
Vallejo, California

Reviewers

Kayla R. Stover, Pharm.D., FCCP, FIDSA, BCIDP, BCPS

Associate Professor
Department of Pharmacy Practice
University of Mississippi School of Pharmacy
Jackson, Mississippi

Daniel S. Baker, Pharm.D., BCPS, BCCCP, BCIDP

Advanced Clinical Pharmacist – Infectious Diseases
Gulf Coast Regional Medical Center
Panama City, Florida

Enterococcus

Author

Nicholas S. Britt, Pharm.D., MS, BCPS, BCIDP

Assistant Professor
Departments of Pharmacy Practice and Internal Medicine
University of Kansas, Schools of Pharmacy and Medicine
Kansas City, Kansas

Reviewers

Lisa M. Avery, Pharm.D., FCCP, BCPS, BCIDP

Professor
Department of Pharmacy Practice
Wegmans School of Pharmacy/St. John Fisher College
Rochester, New York
Director, Antimicrobial Stewardship Program
St. Josephs Health
Syracuse, NY

Wesley D. Kufel, Pharm.D., BCPS, BCIDP, AAHIVP

Clinical Assistant Professor
Department of Pharmacy Practice
Binghamton University School of Pharmacy
and Pharmaceutical Sciences
Binghamton, New York
Clinical Assistant Professor
Department of Medicine
State University of New York Upstate Medical University
Clinical Pharmacy Specialist, Infectious Diseases
Department of Pharmacy
State University of New York Upstate University Hospital
Syracuse, New York

The American College of Clinical Pharmacy and the authors thank the following individuals for their careful review of the Resistant Gram-Positive Infections I chapters:

Lisa C. Hutchison, Pharm.D., MPH, FCCP, BCPS, BCGP

Professor
Pharmacy Practice
University of Arkansas for Medical Sciences
Little Rock, Arkansas

Joseph S. Bubalo, Pharm.D., BCPS, BCOP

Oncology Clinical Pharmacy Specialist
Assistant Professor of Medicine
Oregon Health and Science University Hospital and Clinics
Portland, Oregon

Resistant Gram-Positive Infections II Panel

Series Editors:

Elizabeth S. Dodds Ashley, Pharm.D., MHS, BCPS

Associate Professor of Medicine
Division of Infectious Diseases
Duke University School of Medicine
Director of Operations
Duke Antimicrobial Stewardship Outreach
Network (DASON)
Durham, North Carolina

Alan E. Gross, Pharm.D., BCPS, BCIDP

Clinical Associate Professor
Department of Pharmacy Practice
University of Illinois at Chicago College of Pharmacy
Infectious Diseases Pharmacist
Hospital Pharmacy Services
University of Illinois Hospital and Health Sciences System
Chicago, Illinois

Faculty Panel Chair:

Whitney J. Nesbitt, Pharm.D., BCPS, BCIDP

Antimicrobial Stewardship Pharmacist
Vanderbilt University Medical Center
Nashville, Tennessee

Streptococcus pneumoniae

Author

Rebekah H. Wrenn, Pharm.D., BCIDP

Coordinator, Infectious Diseases Pharmacy Programs
Department of Pharmacy
Duke University Hospital
Durham, North Carolina

Reviewers

Lynn Wardlow, Pharm.D., MBA, MS, BCPS, BCIDP

Specialty Practice Pharmacist, Infectious Diseases
Department of Pharmacy
The Ohio State University Wexner Medical Center
Columbus, Ohio

Jennifer Curello, Pharm.D., BCIDP

Coordinator, Infectious Diseases Pharmacy Programs
Department of Pharmacy
Duke University Hospital
Durham, North Carolina

Clostridioides difficile

Author

Christopher A. Gentry, Pharm.D., BCPS

Chief
Department of Pharmacy Service
Oklahoma City VA Health Care System
Oklahoma City, Oklahoma

Reviewers

Lindsay Daniels, Pharm.D., MPH, BCIDP

Clinical Pharmacy Specialist, Infectious Diseases
Department of Pharmacy
University of North Carolina Medical Center
Chapel Hill, North Carolina

Bhavik M. Shah, Pharm.D., BCPS, BCIDP

Associate Professor
Department of Pharmacy Practice
Jefferson College of Pharmacy,
Thomas Jefferson University
Philadelphia, Pennsylvania

The American College of Clinical Pharmacy and the authors thank the following individuals for their careful review of the Resistant Gram-Positive Infections II chapters:

Michael C. Thomas, Pharm.D., FCCP, BCPS

Professor, Pharmacy Practice
McWhorter School of Pharmacy
Samford University
Birmingham, Alabama

Lisa C. Hutchison, Pharm.D., MPH, FCCP, BCPS, BCGP

Professor
Pharmacy Practice
University of Arkansas for Medical Sciences
Little Rock, Arkansas

Resistant Gram-Positive Infections III Panel

Series Editors:

Elizabeth S. Dodds Ashley, Pharm.D., MHS, BCPS

Associate Professor of Medicine
Division of Infectious Diseases
Duke University School of Medicine
Director of Operations
Duke Antimicrobial Stewardship Outreach
Network (DASON)
Durham, North Carolina

Alan E. Gross, Pharm.D., BCPS, BCIDP

Clinical Associate Professor
Department of Pharmacy Practice
University of Illinois at Chicago College of Pharmacy
Infectious Diseases Pharmacist
Hospital Pharmacy Services
University of Illinois Hospital and Health Sciences System
Chicago, Illinois

Faculty Panel Chair:

Whitney J. Nesbitt, Pharm.D., BCPS, BCIDP

Antimicrobial Stewardship Pharmacist
Vanderbilt University Medical Center
Nashville, Tennessee

Rapid Diagnostic Testing and Antimicrobial Stewardship

Authors

Maya Beganovic, Pharm.D., MPH, BCIDP

Infectious Diseases Clinical Pharmacy Specialist
Department of Pharmacy
Advocate Aurora Health
Advocate Children's Hospital
Park Ridge, Illinois

Eric Wenzler, Pharm.D., BCPS, BCIDP, AAHIVP

Assistant Professor
Department of Pharmacy Practice
University of Illinois at Chicago College of Pharmacy
Infectious Diseases Clinical Pharmacist
University of Illinois Hospital and Health Sciences System
Chicago, Illinois

Reviewers

Emily L. Heil, Pharm.D., BCIDP, BCPS-AQ ID, AAHIVP

Associate Professor
Department of Pharmacy Practice and Science
University of Maryland School of Pharmacy
Associate Professor
Department of Medicine, Division of Infectious Diseases

University of Maryland School of Medicine
Baltimore, Maryland

Geneen M. Gibson, Pharm.D., MS, BCPS-AQ ID

Coordinator, Antimicrobial Management Program
Department of Pharmacy
St. Joseph's/Candler Health System
Savannah, Georgia

PK/PD of Gram-Positive Agents

Author

Jill M. Cowper, Pharm.D., BCIDP

Division Infectious Diseases Pharmacist
Pharmacy Administration
HealthTrust Supply Chain/Capital Division
Richmond, Virginia

Reviewers

Marguerite L. Monogue, Pharm.D., BCIDP

Infectious Diseases Pharmacy Specialist
Assistant Professor
Department of Pharmacy
University of Texas Southwestern
Dallas, Texas

Bryant Summers, Pharm.D., BCPS

Clinical Pharmacist - Solid Organ Transplant
Department of Pharmacy
Henry Ford Hospital
Detroit, Michigan

The American College of Clinical Pharmacy and the authors thank the following individuals for their careful review of the Resistant Gram-Positive Infections III chapters:

Marisel Segarra-Newnham, Pharm.D., MPH,

FCCP, BCPS, BCIDP

Clinical Pharmacy Specialist, Infectious Diseases/HIV
Antimicrobial Stewardship Program Pharmacy Director
Veterans Affairs Medical Center
West Palm Beach, Florida
Clinical Assistant Professor of Pharmacy Practice
University of Florida College of Pharmacy
Gainesville, Florida

Ralph H. Raasch, Pharm.D., FCCP, BCPS

Associate Professor of Pharmacy (retired)
Division of Practice Advancement and Clinical Education
Eshelman School of Pharmacy
The University of North Carolina at Chapel Hill
Chapel Hill, North Carolina

Resistant Gram-Positive Infections IV Panel

Series Editors:

Elizabeth S. Dodds Ashley, Pharm.D., MHS, BCPS

Associate Professor of Medicine
Division of Infectious Diseases
Duke University School of Medicine
Director of Operations
Duke Antimicrobial Stewardship Outreach
Network (DASON)
Durham, North Carolina

Alan E. Gross, Pharm.D., BCPS, BCIDP

Clinical Associate Professor
Department of Pharmacy Practice
University of Illinois at Chicago College of Pharmacy
Infectious Diseases Pharmacist
Hospital Pharmacy Services
University of Illinois Hospital and Health Sciences System
Chicago, Illinois

Faculty Panel Chair:

Whitney J. Nesbitt, Pharm.D., BCPS, BCIDP

Antimicrobial Stewardship Pharmacist
Vanderbilt University Medical Center
Nashville, Tennessee

Interactive Case: Combination Antibiotics for *S. aureus*

Author

Anthony M. Casapao, Pharm.D., MPH

Clinical Assistant Professor
Department of Pharmacotherapy
and Translational Research
University of Florida College of Pharmacy
Infectious Diseases Pharmacotherapy Specialist
Department of Pharmacy
University of Florida Health Jacksonville
Jacksonville, Florida

Reviewers

Trang D. Trinh, Pharm.D., MPH, BCPS, BCIDP

Assistant Professor of Clinical Pharmacy
Department of Clinical Pharmacy
University of California, San Francisco
School of Pharmacy
San Francisco, California

James C. Go, Pharm.D., BCIDP

Clinical Pharmacist, Infectious Diseases
Department of Pharmacy
UC Davis Health
Sacramento, California

Interactive Case: *C. difficile* Infection Diagnostics

Author

Brian M. Hoff, Pharm.D., BCIDP, BCPS

Infectious Diseases Team Lead
Co-Lead, Antimicrobial Stewardship Program
Department of Pharmacy
Northwestern Memorial Hospital
Chicago, Illinois

Reviewers

Heather L. Cox, Pharm.D., BCIDP

Lead Pharmacist, Infectious Diseases
Associate Director, Antimicrobial Stewardship
Director, PGY2 Infectious Diseases Residency Program
Department of Pharmacy Services
University of Virginia Health
Clinical Assistant Professor
Division of Infectious Diseases and International Health
University of Virginia School of Medicine
Charlottesville, Virginia
Clinical Associate Professor
Virginia Commonwealth University School of Pharmacy
Richmond, Virginia

Kierra M. Dotson, Pharm.D., BCPS, AAHIVP

Pharmacy Clinical Coordinator
Department of Pharmacy Services
Chase Brexton Health Care
Baltimore, MD

Linda D. Dresser, Pharm.D., FCSHP

Assistant Professor
Leslie Dan Faculty of Pharmacy
University of Toronto,
Toronto, Ontario, Canada

The American College of Clinical Pharmacy and the authors thank the following individuals for their careful review of the Resistant Gram-Positive Infections IV features:

Ishaq Lat, Pharm.D., MBA, FCCP, FCCM, BCCCP

Director of Pharmacy
Shirley Ryan Abilitylab (formerly the
Rehabilitation Institute of Chicago)
Chicago, Illinois

Christine K. O'Neil, Pharm.D., FCCP, BCPS, BCGP, CTTS

Professor of Pharmacy Practice
Assistant Dean, Curriculum Development
& Interprofessional Education
School of Pharmacy
Duquesne University
Pittsburgh, Pennsylvania