

DISCLOSURE OF POTENTIAL CONFLICTS OF INTEREST

Consultancies: Monique R. Bidell (ASHP); Michael A. Gillette (Boehringer-Ingelheim); Holly E. Gurgle (Utah Medicaid—Drug Utilization Review Board); Christi Jen (American Society of Health-System Pharmacists; Arizona Pharmacy Association); Nancy J. Lee (Washington State Health Care Authority); Monica V. Mahoney (Tetraphase Pharmaceuticals; Qpex Biopharma; Spero Pharmaceuticals); Michelle T. Martin (AbbVie; Gilead Sciences; Merck); Bedrija Nikocec (Illinois Department of Healthcare and Family Services Drug Utilization Review Board); Suzanne Riche (American Heart Association, Christian Women’s Job Corps); Kayla R. Stover (Department of Defense; American Society of Health-System Pharmacists)

Stock Ownership: Katherine P. Jamison (BB&T Corp.)

Royalties:

Grants: Daniel B. Chastain (University of Georgia College of Pharmacy [two grants]); Katherine P. Jamison (VCOM); Monica V. Mahoney (Merck); Jordan Sedlacek (ACCP Ambulatory Care PRN; Institute for Healthcare Improvement and Pfizer); Timothy P. Stratton (Community Pharmacy Foundation); Dhara Shah Surati (Merck & Co., Inc. [two grants]; Cidara Therapeutics, Inc.)

Honoraria: Christi Jen (American Society of Health-System Pharmacists; Arizona Pharmacy Association); Monica V. Mahoney (Tetraphase Pharmaceuticals); Daniel M. Riche (Merck; Janssen; Boehringer-Ingelheim); Crystal A. Wright (Georgia Society of Health System Pharmacists)

Other:

Nothing to disclose: Ashley L. Adams;; Rebecca Cope; Phuong Dinh; Olufadeke Fariyike; Timothy P. Gauthier; Laura E. Knockel; Bryan L. Love; Ashley H. Marx; Whitney Nesbitt; Jessica A. Robinson; Rachel H. Selinger; Hani Basiouny Ibrahim Shehab; Mary J. Thoennes; Erin K. VanMeter

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. ACSAP has been approved by BPS for use in BCACP recertification. Information about the BPS recertification process is available [online](#).

Questions regarding BCACP recertification should be directed to:

[Board of Pharmacy Specialties](#)

2215 Constitution Avenue NW

Washington, DC 20037

(202) 429-7591

Infection Primary Care I Panel

Series Editors:

Dave L. Dixon, Pharm.D., BCACP, BCPS, CDE, CLS, FNLA, FCCP, FACC

Associate Professor
Department of Pharmacotherapy and Outcomes Sciences
Virginia Commonwealth University School of Pharmacy
Richmond, Virginia

Ila M. Harris, Pharm.D., FCCP, BCPS

Professor
Department of Family Medicine and Community Health
University of Minnesota Medical School
Minneapolis, Minnesota

Faculty Panel Chair:

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

Associate Professor of Pharmacy Practice
Residency Director, PGY2 Infectious Diseases
University of Mississippi School of Pharmacy
Jackson, Mississippi

HEPATITIS C VIRUS MANAGEMENT IN THE POST-PIPELINE ERA

Author

Michelle T. Martin, Pharm.D., FCCP, BCPS, BCACP

Clinical Associate Professor
Department of Pharmacy Practice
University of Illinois at Chicago College of Pharmacy
Clinical Pharmacist
Bobbie and Marvin Fink Family Liver Clinic
University of Illinois Hospital and Health Sciences System
Chicago, Illinois

Reviewers

Bryan L. Love, Pharm.D., MPH, BCPS-AQ ID

Associate Professor
Department of Clinical Pharmacy and Outcomes Sciences
University of South Carolina College of Pharmacy
Columbia, South Carolina

Erin K. VanMeter, Pharm.D., BCACP

Ambulatory Care Pharmacy Specialist
Assistant Professor
University of Maryland School of Pharmacy
Baltimore, Maryland

Jordan Sedlacek, Pharm.D., BCACP, BC-ADM

Assistant Professor
Department of Clinical and Administrative Sciences

Larkin University College of Pharmacy
Miami, Florida

HIV PHARMACOTHERAPY

Author

Daniel B. Chastain, Pharm.D., BCIDP, AAHIVP

Clinical Assistant Professor
Department of Clinical and Administrative Pharmacy
University of Georgia College of Pharmacy
Infectious Diseases Pharmacist
Pharmacy Department
Phoebe Putney Memorial Hospital
Albany, Georgia

Reviewers

Katherine P. Jamison, Pharm.D., BCPS, AAHIVP

Discipline Chair and Assistant Professor for Pharmacology
Department of Pharmacology, Biomedical Affairs
Edward Via College of Osteopathic Medicine (VCOM)
Blacksburg, Virginia

Rebecca Cope, Pharm.D., BCACP

Assistant Professor
Long Island University Pharmacy
Brooklyn, New York

SEXUALLY TRANSMITTED INFECTIONS

Authors

Ashley H. Marx, Pharm.D., BCPS, BCIDP

Clinical Specialist, Infectious Diseases
Department of Pharmacy
UNC Medical Center
Associate Professor of Clinical Education
Division of Practice Advancement and Clinical Education
UNC Eshelman School of Pharmacy
Chapel Hill, North Carolina

Nancy J. Lee, Pharm.D., BCPS, CDE

Lead Clinical Pharmacist Practitioner
Swedish Medical Group
Issaquah, Washington

Reviewers

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

Antimicrobial Stewardship Clinical Specialist
Department of Pharmaceutical Services
Vanderbilt University Medical Center
Nashville, Tennessee

Rachel H. Selinger, Pharm.D., BCACP, CPP, CDE

Pharmacist

UNC Campus Health

The University of North Carolina at Chapel Hill

Adjunct Assistant Professor

UNC Eshelman School of Pharmacy

Chapel Hill, North Carolina

Olufadeke Fariyike, BSP Pharm., BCACP

Staff Pharmacist

CVS Health

Douglasville, Georgia

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

The American College of Clinical Pharmacy and the authors thank the following individuals for their careful review of the Infection Primary Care I chapters:

Lynn Kassel, Pharm.D., BCPS

Associate Professor of Clinical Sciences

Department of Clinical Sciences

Drake University College of Pharmacy & Health Sciences

Des Moines, Iowa

Acute Care Pharmacist

Mercy West Lakes Hospital

Clive, Iowa

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

Infection Primary Care II Panel

Series Editors:

Dave L. Dixon, Pharm.D., BCACP, BCPS, CDE, CLS, FNLA, FCCP, FACC

Associate Professor
Department of Pharmacotherapy and Outcomes Sciences
Virginia Commonwealth University School of Pharmacy
Richmond, Virginia

Ila M. Harris, Pharm.D., FCCP, BCPS

Professor
Department of Family Medicine and Community Health
University of Minnesota Medical School
Minneapolis, Minnesota

Faculty Panel Chair:

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

Associate Professor of Pharmacy Practice
Residency Director, PGY2 Infectious Diseases
University of Mississippi School of Pharmacy
Jackson, Mississippi

STEWARDSHIP IN AMBULATORY CARE

Author

Jessica Robinson, Pharm.D., BCPS, BCIDP

Associate Professor and Infectious Diseases
Clinical Specialist
Department of Pharmacy Practice
University of Charleston School of Pharmacy
Charleston, West Virginia

Reviewers

Timothy P. Gauthier, Pharm.D., BCPS-AQ ID

Antimicrobial Stewardship Program Manager
Department of Pharmacy
Miami Veterans Affairs Healthcare System
Miami, Florida

Crystal A. Wright, Pharm.D., BCPS, BCACP

Geriatrics and Palliative Care Clinical Pharmacy Specialist
Department of Pharmacy
Kaiser Permanente Georgia
Atlanta, Georgia

Mary J. Thoennes, BSPHarm, BCACP, CDE

Residency Program Director
Clinical Pharmacist
Antimicrobial Stewardship Program Pharmacy Champion
Department of Pharmacy
W.W. Keeble Memorial Health Care System
Indian Health Care Service
Sisseton, South Dakota

C. difficile INFECTION

Authors

Monica V. Mahoney, Pharm.D., BCPS-AQ ID, BCIDP

Clinical Pharmacy Specialist
Department of Pharmacy
Beth Israel Deaconess Medical Center
Boston, Massachusetts

Monique R. Bidell, Pharm.D., BCPS

Clinical Pharmacist – Infectious Diseases
Department of Pharmacy
Massachusetts General Hospital
Boston, Massachusetts

Reviewers

Dhara Surati, Pharm.D., BCPS

Clinical Assistant Professor
Department of Pharmacy Practice and Translational
Research (PPTR)
University of Houston College of Pharmacy
Houston, Texas

Hani Basiouny Ibrahim Shehab, BSPHarm., BCACP

Clinical Pharmacist
Pharmacy
SEHA
Abu Dhabi

Ashley L. Adams, Pharm.D., MS, BCACP

Clinical Pharmacist
Department of Pharmacy
Sells Hospital, TON Healthcare
Sells, Arizona
Lieutenant
U.S. Public Health Service
Rockville Maryland

The American College of Clinical Pharmacy and the authors thank the following individuals for their careful review of the Infection Primary Care II chapters:

Jennifer Le, Pharm.D., MAS, FCCP, FCSHP, FIDSA, BCPS-ID

Professor of Clinical Pharmacy
Skaggs School of Pharmacy and Pharmaceutical Sciences
University of California, San Diego
La Jolla, California

Jeffrey T. Sherer, Pharm.D., MPH, BCPS, BCGP

Clinical Associate Professor
Department of Pharmacy Practice and Translational
Research
University of Houston College of Pharmacy
Houston, Texas

Infection Primary Care III Panel

Series Editors:

Dave L. Dixon, Pharm.D., BCACP, BCPS, CDE, CLS, FNLA, FCCP, FACC

Associate Professor
Department of Pharmacotherapy and Outcomes Sciences
Virginia Commonwealth University School of Pharmacy
Richmond, Virginia

Ila M. Harris, Pharm.D., FCCP, BCPS

Professor
Department of Family Medicine and Community Health
University of Minnesota Medical School
Minneapolis, Minnesota

Faculty Panel Chair:

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

Associate Professor of Pharmacy Practice
Residency Director, PGY2 Infectious Diseases
University of Mississippi School of Pharmacy
Jackson, Mississippi

INTERACTIVE CASE: TICKBORNE DISEASES

Author

Holly E. Gurgle, Pharm.D., BCACP, CDE

Associate Professor (Clinical)
Department of Pharmacotherapy
University of Utah College of Pharmacy
Clinical Pharmacist
Family Health and Wellness Center
ARUP Laboratories
Salt Lake City, Utah

Reviewers

Christi Jen, Pharm.D., BCPS

Clinical Pharmacist- Emergency Medicine
Emergency Department/Department
of Pharmacy Services
Banner Boswell Medical Center
Sun City, Arizona
Clinical Assistant Professor
Department of Pharmacy Practice and Science
University of Arizona College of Pharmacy
Tucson, Arizona

Phuong Dinh, Pharm.D., MBA, BCACP

Regional Account Executive
Amgen
Thousand Oaks, California

Bedrija Nikocecic, Pharm.D., BCACP

Assistant Professor of Clinical Sciences
Roosevelt University College of Pharmacy
Schaumburg, Illinois

INTERACTIVE CASE: TELEHEALTH IN CLINICAL PHARMACY

Authors

Daniel M. Riche, Pharm.D., FCCP, BCPS, ASH-CHC, CLS

Professor of Pharmacy Practice
The University of Mississippi
School of Pharmacy
Associate Professor of Medicine
The University of Mississippi Medical Center
Clinic Coordinator, Cardiometabolic Clinic
Research Professor
National Center for Natural Products Research
Research Institute of Pharmaceutical Sciences
Jackson, Mississippi

Suzanne Riche, RN, MSN

Associate Dean (former)
Department of Nursing
Delgado Community College
New Orleans, Louisiana

Reviewers

Timothy P. Stratton, Ph.D., FAPhA, BCPS

Professor of Pharmacy Practice
Department of Pharmacy Practice and
Pharmaceutical Sciences
University of Minnesota College of Pharmacy, Duluth
Duluth, Minnesota

Laura E. Knockel, Pharm.D., BCACP

Clinical Assistant Professor
Department of Pharmacy Practice and Science
The University of Iowa College of Pharmacy
Clinical Pharmacist – Ambulatory Care
Department of Pharmaceutical Care
University of Iowa Hospitals and Clinics
Iowa City, Iowa

Michael A. Gillette, Pharm.D., BCPS-AQ Cardiology

Clinical Pharmacy Specialist, Cardiology
Inpatient Pharmacy (119)
Michael DeBaKey VA Medical Center
Houston, Texas

The American College of Clinical Pharmacy and the authors thank the following individuals for their careful review of the Infection Primary Care III features:

Lynn Kassel, Pharm.D., BCPS

Associate Professor of Clinical Sciences
Department of Clinical Sciences
Drake University College of Pharmacy & Health Sciences
Des Moines, Iowa
Acute Care Pharmacist
Mercy West Lakes Hospital
Clive, Iowa

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