# Medical Issues II Panel

#### **Series Editors:**

## Bradley A. Boucher, Pharm.D., FCCP, FNAP, MCCM, BCPS

Professor of Clinical Pharmacy and Translational Science Associate Dean for Strategic Initiatives and Operations College of Pharmacy University of Tennessee Health Science Center Memphis, Tennessee

#### Curtis E. Haas, Pharm.D., FCCP

Director of Pharmacy
University of Rochester Medical Center
Rochester, New York

# **Faculty Panel Chair:**

## Ishaq Lat, Pharm.D., FCCP, BCPS, BCCCP, BCPS

Associate Director-Clinical Services Critical Care Clinical Pharmacy Specialist Department of Pharmacy Rush University Medical Center Chicago, Illinois

# ANAPHYLAXIS, ALLERGIES, ANGIOEDEMA, AND ACUTE CNS DISORDERS

# **Authors**

# Gourang Patel, Pharm.D., MSc, FCCM, BCPS, BCCCP

Clinical Pharmacy Supervisor-Adult Critical
Care and Perioperative Areas
Departments of Pharmacy, Pharmacology, Pulmonary
and Critical Care Medicine and Anesthesiology
Rush University Medical Center and Rush Medical College
Chicago, Illinois

# Megan A. Rech, Pharm.D., M.S., BCPS, BCCCP

Emergency Medicine Clinical Pharmacist
Department of Pharmacy
Loyola University Medical Center
Maywood, Illinois

#### Reviewers

#### Megan Musselman, Pharm.D., M.S., BCPS, BCCCP

Clinical Pharmacy Specialist Residency Program Coordinator North Kansas City Hospital North Kansas City, Missouri

# Sarah Livings, Pharm.D., BCPS, BCCCP

Clinical Pharmacy Coordinator-Emergency Medicine
Department of Pharmacy Services
Penn State Health Milton S. Hershey Medical Center
Hershey, Pennsylvania

#### **ENDOCRINE EMERGENCIES**

#### **Authors**

#### Susan E. Hamblin, Pharm.D., BCPS, BCCCP

Trauma Critical Care Clinical Pharmacist
Department of Pharmaceutical Services
Vanderbilt University Medical Center
Nashville, Tennessee

# Kelli A. Rumbaugh, Pharm.D., BCPS

Surgical Intensive Care Unit Clinical Pharmacist
Department of Pharmaceutical Services
Vanderbilt University Medical Center
Nashville, Tennessee

#### Reviewers

#### Gabrielle A. Gibson, Pharm.D., BCPS, BCCCP

Surgical, Trauma, Burn ICU Clinical Specialist Department of Pharmacy Barnes-Jewish Hospital St. Louis, Missouri

#### Abigail Dee Antigua, Pharm.D., BCCCP

Clinical Pharmacist-Cardiovascular Medicine and Surgery
Pharmacy Department
North Florida Regional Medical Center
Clinical Assistant Professor
Pharmacy Department
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 Medical Issues II chapters:

#### H. Gwen Bartlett, Pharm.D., BCPS

Assistant Professor of Pharmacy Practice School of Pharmacy Husson University Bangor, Maine

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

Clinical Associate Professor
Department of Clinical Sciences and Administration
University of Houston College of Pharmacy
Houston, Texas

# DISCLOSURE OF POTENTIAL CONFLICTS OF INTEREST

**Consultancies:** Abigail D. Antigua (Florida Society of Health-Systems Pharmacists, Society of Critical Care Medicine); Marilyn N. Bulloch (Alabama Medicaid DUR Board); Ryan P. Mynatt (Theravance)

Stock Ownership:

Royalties:

Grants: Matthew A. Wanat (Bristol-Myers Squibb)

Honoraria: Abigail D. Antigua (FSHP); Mark H. Pangrazzi (Pfizer/Bristol Myers Squibb)

Other:

Nothing to disclose: Shereen Ahmed Dasuqi; Stephanie Bass; Scott T. Benken; Gabrielle Gibson; Susan E. Hamblin; Serena A. Harris; Sarah Livings; Michael J. McQuade; Megan E. Musselman; Gourang Patel; Megan A. Rech; Brianne M. Ritchie; David J. Ritchie; Kelli A. Rumbaugh; Lindsay P. Ryder; Raul A. Santiago; Zach R. Smith; William R. Vincent, III; Matthew R. Wanek; Jim E. Winegardner; Michael E. Wright, II

**ROLE OF BPS:** The Board of Pharmacy Specialties (BPS) is an autonomous division of the American Pharmacists Association (APhA). BPS is totally separate and distinct from ACCP. The Board, through its specialty councils, is responsible for specialty examination content, administration, scoring, and all other aspects of its certification programs. CCSAP has been approved by BPS for use in BCCCP recertification. Information about the BPS recertification process is available online.

Questions regarding BCCCP recertification should be directed to:

Board of Pharmacy Specialties 2215 Constitution Avenue NW Washington, DC 20037 (202) 429-7591