



2023 KNOWLEDGE-BASED HOME-STUDY CE FOR PHARMACISTS AND PHARMACY TECHNICIANS

Optimizing Use of Novel Agents to Treat Multidrug-resistant Gram-negative Infections

Speaker: Ryan K. Shields, PharmD, MS, Co-Director, Antibiotic Management Program, University of Pittsburgh Medical Center, Pittsburgh, PA

Learning Objectives

Upon completion of this CE activity, the participant will be able to do the following:

- Identify the serious and urgent MDR Gram-negative threats in the United States
- Define the spectrum of in vitro activity for novel β -lactam agents
- List the most common mechanisms of β -lactam resistance
- Review treatment guidelines for MDR Gram-negative infections

Accreditation Information:

ACPE UAN: 0122-0000-23-019-H01-P/T

CPE Credit Hours: 1.0 hour (0.1 CEU) of home-study CE credit

Release Date: January 17, 2023

Expiration Date: January 17, 2026

Disclosures: Dr. Ryan Shields discloses that he has financial relationships in the past 24 months as consultant, advisor and/or speaker for Cidara, Entasis, GlaxoSmithKline, Menarini, Melinta, Merck, Pfizer, Shionogi, and Venatorx; and has received research funding from Merck, Melinta, Roche, Shionogi, and Ventorx. In keeping with Premier CE policies, the presentation has undergone mitigation procedures including peer review. The planners and moderators for this activity have no relevant financial relationships with ineligible companies to disclose.

Sponsorship: This program is conducted solely by Premier and has no commercial or non-commercial support or sponsorship.

[Click here](#) to view CE webinar system requirements for the learner to complete the online activity, including the internet browser(s) supported and minimum versions of each, and the minimum memory, storage, processor, and internet.

How to obtain CE credit:

1. Log on to <https://ce.pharmacy.premierinc.com> to register for the activity under "Home Study CE"
2. View and listen to the recorded activity
3. Complete both the learning assessment questions and the activity evaluation.

Note: A passing grade of 60% or better is required to receive CE credit. Three opportunities will be provided to successfully complete the post-test.

Once all steps above are completed, participation will be provided to CPE Monitor.



Premier, Inc. is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. This CE activity is provided as a free, value-added service to Premier health-system pharmacy staff.

For any questions regarding the CE activity, please contact Liz Shlom at eshlom@acurity.com.