

Don't Let It VAPpen: Exploring Antimicrobial Prophylaxis for Ventilator-Associated Pneumonia

Pharmacy Grand Rounds 2026

4/21/2026 at 12:00pm CT, 1:00pm ET | Virtual via Microsoft Teams Webinar

Overview: Ventilator-associated pneumonia (VAP) remains a significant complication in critically ill patients despite widespread implementation of prevention bundles. This presentation reviews the pathophysiology of VAP and critically examines evidence for intravenous, topical, and inhaled antimicrobial prophylaxis strategies, highlighting key clinical trials, potential benefits, and associated risks. Learners will identify which patient populations, if any, may be appropriate candidates for targeted prophylaxis, while applying antimicrobial stewardship principles to avoid routine use in lower-risk ICU populations.

Speakers: Maria Ileni, PharmD, and Heeba Mahmood, PharmD, PGY1 Pharmacy Residents, Advocate Good Shepherd Hospital

Preceptor: Athanasius Hasselbrook, PharmD, BCPS

Objectives:

1. Recognize the pathophysiology of ventilator-associated pneumonia.
2. Identify various prophylactic strategies for ventilator-associated pneumonia.
3. Recall findings from recent literature surrounding antimicrobial prophylaxis for ventilator-associated pneumonia.
4. Select an evidence-based approach to using antimicrobial prophylaxis for ventilator-associated pneumonia in select patients.

Target Audience: Advocate Health Pharmacists, Physicians, Nurses, and other interested healthcare professionals

Disclosure: The planner(s) and speaker(s) have indicated that there are no relevant financial relationships with any ineligible companies to disclose.

Link to Live sessions: [Pharmacy Grand Rounds 2026](#)

Commercial Support: There is no financial support for this activity.

Accreditation Statement:



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Credit Statement(s):

Accreditation Council for Pharmacy Education (ACPE):

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Questions about this activity: elaine.r.thomas@advocatehealth.org

