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Live

## INTENSIVE CARE/CRITICAL CARE MEDICINE

### Improving the Diagnosis, Treatment, and Outcomes of Patients With HAP and VAP: A Critical Look at Current Guidelines and New Treatment Options

#### Activity Overview

Join us for one of the live, in-person meetings we will be carrying out at state SCCM chapters. A nationally recognized expert will provide a concise update on the diagnosis and treatment of hospital-acquired pneumonia (HAP) and ventilator-associated pneumonia (VAP).

#### Activity Description

Hospital-acquired pneumonia (HAP) is defined as pneumonia that develops 48 hours or more after admission that was not present on admission; ventilator-associated pneumonia (VAP) is pneumonia that develops 48 hours or more after endotracheal intubation.

HAP and VAP are common afflictions in hospitalized patients, accounting for nearly one-quarter of all hospital-acquired infections. They confer mortality rates of 24%-50%, increasing to nearly 75% if caused by resistant organisms. Given the high prevalence and significant mortality associated with these types of pneumonia, accurate diagnosis and appropriate treatment are essential. Treatment must be balanced against potential unintended consequences of antibiotic use, including *Clostridium difficile* infections and the promotion of resistant bacteria caused by poor antibiotic stewardship.

Given the frequency with which HAP and VAP occur, and the need for equipoise with antibiotic use, it is essential that all practicing clinicians have an evidence-based construct for the diagnosis and treatment of HAP and VAP.

Through this curriculum, we aim to examine strategies to readily diagnose HAP and VAP in the critical care setting, as well as how to optimize antibiotic selection and use in individual patients. After participating in the inReview, you can register to have one of our experts visit your local SCCM chapter for an interactive discussion.

#### Learning Objectives

Upon completion of this activity, participants will be able to:

- List the pathogens commonly implicated in causing hospital-acquired pneumonia (HAP) and ventilator-associated pneumonia (VAP)
- Identify risk factors for multidrug-resistant HAP and VAP
- Employ an evidence-based approach to readily diagnose HAP and VAP in the critical care setting
- Select empiric therapy for HAP and VAP based on the local distribution of pathogens and their antimicrobial susceptibilities, as well as individual patients' risk factors for multidrug resistance and prior microbiology data
- Summarize key features and critical differences between novel antibiotics for the treatment of HAP and VAP
- Optimize antibiotic selection and use (eg, dosing) in individual patients with HAP or VAP, considering current evidence and expert recommendations as well as the appropriate use of new and emerging agents

## PARTICIPATING FACULTY


#### Andrew F. Shorr, MD, MPH, MBA, FACP, FCCP

Section Head, Pulmonary, Critical Care Medicine, & Respiratory Services  
Director, Medical ICU  
MedStar Washington Hospital Center  
Professor of Medicine  
Georgetown University  
Washington, District of Columbia

#### Providership, Credit & Support


**Physicians:** This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Medical Learning Institute, Inc. and PVI, PeerView Institute for Medical Education. The Medical Learning Institute, Inc. is accredited by the ACCME to provide continuing medical education for physicians.

The Medical Learning Institute, Inc. designates this live activity for a maximum of 1.0 *AMA PRA Category 1 Credit*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**MOC Statement:**  Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 1.0 MOC points and patient safety MOC credit in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

Participation information will be shared with ABIM through the ACCME's Program and Activity Reporting System (PARS). Blinded individual or aggregated participant data may be shared with the funder of the activity.

**Nurses:** Medical Learning Institute, Inc. is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation. Successful completion of this continuing nursing education activity will be awarded 1.0 contact hour(s).

**Pharmacists:**  The Medical Learning Institute, Inc. is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. Completion of this knowledge-based activity provides for 1.0 contact hour (0.1 CEU) of continuing pharmacy education credit. The Universal Activity Number for this activity will be provided when the meeting dates and locations are confirmed.

This CME/MOC/CNE/CPE activity is jointly provided by Medical Learning Institute, Inc. and PVI, PeerView Institute for Medical Education.

This activity is supported by an independent educational grant from Merck & Co., Inc.

#### Course Director



#### Andrew F. Shorr, MD, MPH, MBA, FACP, FCCP

Section Head, Pulmonary, Critical Care Medicine, & Respiratory Services  
Director, Medical ICU  
MedStar Washington Hospital Center  
Professor of Medicine  
Georgetown University  
Washington, District of Columbia

#### Target Audience

This activity has been designed to meet the educational needs of critical care specialists and other healthcare professionals involved in the care of patients with HAP/VAP.

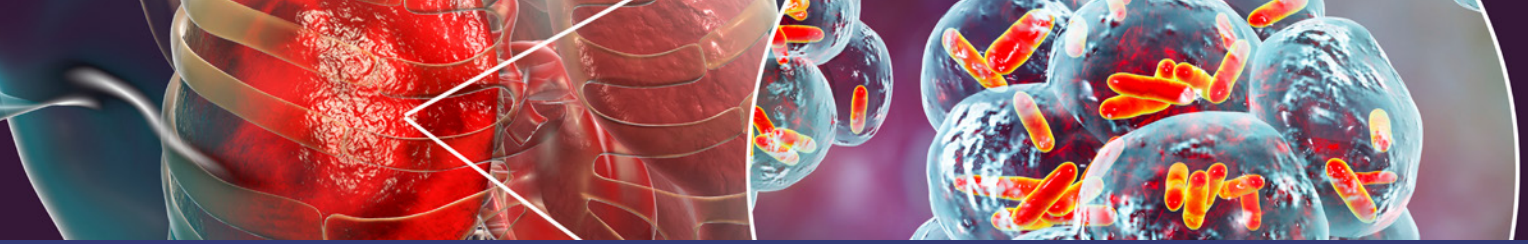
# Visit

[PeerView.com/HAP-VAP](https://www.peerview.com/HAP-VAP)

for more details, and request your meeting today!

Full faculty details available upon request

For a complete faculty list, contact Patricia Spoon at [patricia.spoon@peerview.com](mailto:patricia.spoon@peerview.com)



## REQUEST A MEETING FORM:

# Improving the Diagnosis, Treatment, and Outcomes of Patients With HAP and VAP: A Critical Look at Current Guidelines and New Treatment Options

To request a meeting, please complete this form and return to Patricia Spoon by email, [patricia.spoon@peerview.com](mailto:patricia.spoon@peerview.com), or fax to 1.877.380.6639. You may also complete this request online at [PeerView.com/HAP-VAP](http://PeerView.com/HAP-VAP).

Chapter \_\_\_\_\_

Available Dates \_\_\_\_\_

Available Times (1-hour time slots) \_\_\_\_\_

### Audience Total and Breakdown (Please add the estimated total of each speciality below.)

\_\_\_\_ Critical Care Specialists

\_\_\_\_ Nurse Practitioners

\_\_\_\_ Nurses

\_\_\_\_ Physician Assistants

\_\_\_\_ Pharmacists

\_\_\_\_ Other Specialties (Specify): \_\_\_\_\_

Other: \_\_\_\_\_

### CONTACT INFORMATION

Physician Requesting Program \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

Primary Contact Phone \_\_\_\_\_

Primary Contact Fax \_\_\_\_\_

Primary Contact Email \_\_\_\_\_

Other Comments/Topics of Interest:

### Select the Appropriate CME/MOC/CNE/CPE Provider Option:

- Our chapter is an accredited provider and will provide credit for this activity.
- Medical Learning Institute, Inc., in conjunction with PVI, will provide credit for this activity.

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