



Bugs vs. Drugs: The Pharmacist's Challenge Podcast

CE Activity 1

POST-TEST, EVALUATION FORM, AND CREDIT INFORMATION

Release Date: Tuesday, March 18, 2008

Expiration Date: Tuesday, April 21, 2009

CE INSTRUCTIONS

To receive credit for your participation in this CE activity, please complete the following steps:

1. Review the CE information for all six episodes within this activity including the target audience, learning objectives, and disclosures.
2. Listen to and review each of the six episodes carefully.
3. Complete the Post-test, selecting the most appropriate response to each question.
4. Complete the Evaluation Form and Credit Information.
5. Fax the Evaluation Form and Credit Information to (908) 450-3300 or mail to: Center for Independent Healthcare Education, 15 Hook Drive, Milford, NJ, 08848. Documentation of credit will be mailed within 6-8 weeks following receipt of materials.

POST-TEST

Please select the most appropriate response and include it on the Answer Key on the Evaluation Form.

1. All of the following mechanisms of resistance are found in gram-negative bacilli except:
 - a. Alteration of the antimicrobial target site
 - b. Efflux mechanisms that actively pump out the drug
 - c. Enzymatic degradation of the drug
 - d. Bacterial inhibitors that block drug action
2. In *Gram-negative Bacteria* Issue 2, multidrug resistance is defined as:
 - a. Resistance to at least two antimicrobial agents
 - b. Resistance to at least three antimicrobial agents
 - c. Resistance to at least three classes of antimicrobial agents
 - d. Resistance to any four antimicrobial agents
3. Which PK/PD parameter is the best predictor of clinical success when treating gram-negative bacterial infections with colistin?
 - a. AUC/MIC
 - b. C_{max}/MIC
 - c. $T > MIC_{40\%}$
 - d. $T > MIC_{50\%}$
4. Which staphylococcal cassette chromosome is most commonly associated with community-acquired MRSA?
 - a. SCCmec type 2
 - b. SCCmec type 3
 - c. SCCmec type 4
 - d. SCCmec type 5
5. What percentage of *Staphylococcus aureus* isolates in the hospital exhibit methicillin resistance?
 - a. 30%
 - b. 45%
 - c. 60%
 - d. Over 75%
6. In a study mentioned in *Gram-positive Bacteria* Issue 3, what was the clinical success rate when treating MRSA infections with vancomycin (MRSA isolates had vancomycin MIC 1-2 µg/mL)?
 - a. 10%
 - b. 25%
 - c. 40%
 - d. 80%



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EVALUATION FORM

ANSWER KEY	
1	_____
2	_____
3	_____
4	_____
5	_____
6	_____

Select the most appropriate title for your profession.

- ☐ Clinical Pharmacist
☐ Retail Pharmacist
☐ Professor of Pharmacy
☐ Other _____

CONTENT: Please evaluate the content of this educational activity.	Yes	No
Is the information timely/up-to-date?		
Did the activity meet your expectations?		
Is the content relevant to your practice of pharmacy?		
Is the content useful to you in improving care of patients?		
Is the activity fair, balanced, and free of commercial bias?		
If "No", please explain.		
Based on the content, will you participate in CE Activity 2 in this series?		
If "No", please explain.		

OBJECTIVES: Upon completion of this activity are you able to:	Yes	No
Discuss the clinical consequences of antimicrobial-resistant gram-negative bacterial infections		
Recognize the increasing prevalence of multidrug-resistant gram-negative bacilli in hospitals		
Realize the threat caused by multidrug-resistant <i>Acinetobacter baumannii</i> infections		
Discuss the resistance development in <i>Staphylococcus aureus</i>		
Differentiate between the types of infections associated with hospital-acquired MRSA and community-acquired MRSA		
Recognize the clinical consequences of MRSA strains with high vancomycin MIC		

If you selected "No" for any of the answers in OBJECTIVES, please explain.



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EPISODES: Please rate each podcast episode.	<i>Excellent</i>	<i>Good</i>	<i>Average</i>	<i>Fair</i>	<i>Poor</i>
<i>Gram-negative Bacteria</i> Issue 1					
Value of topic					
Quality of presentation					
<i>Gram-negative Bacteria</i> Issue 2					
Value of topic					
Quality of presentation					
<i>Gram-negative Bacteria</i> Issue 3					
Value of topic					
Quality of presentation					
<i>Gram-positive Bacteria</i> Issue 1					
Value of topic					
Quality of presentation					
<i>Gram-positive Bacteria</i> Issue 2					
Value of topic					
Quality of presentation					
<i>Gram-positive Bacteria</i> Issue 3					
Value of topic					
Quality of presentation					

Of the topics in this activity, would you like more education on a specific topic?

☐

Yes

☐

No

If yes, please specify. _____

What one new thing did you learn about gram-negative bacteria?

What one new thing did you learn about gram-positive bacteria?



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How important <i>to you</i> is the pharmacist's role in	<i>Very important</i>	<i>Important</i>	<i>Somewhat important</i>	<i>Not important</i>
maintaining lower levels of resistance?				
implementing an antimicrobial stewardship program?				
achieving positive patient outcomes?				
ensuring appropriate initial antimicrobial therapy?				

How important <i>to other healthcare professionals</i> is the pharmacist's role in	<i>Very important</i>	<i>Important</i>	<i>Somewhat important</i>	<i>Not important</i>
maintaining lower levels of resistance?				
implementing an antimicrobial stewardship program?				
achieving positive patient outcomes?				
ensuring appropriate initial antimicrobial therapy?				

Do you intend to change your patient care based upon information received in this activity?

- ☐ Yes
- ☐ No
- ☐ Not sure

How will you modify your practice performance as a result of participating in this activity?

Assess your level of commitment to implementing the modification to your practice stated above:

<i>Very committed</i>	<i>Committed</i>	<i>Somewhat committed</i>	<i>Not very committed</i>	<i>Do not expect to change practice</i>



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Was this CE podcast activity easy to access?

☐ Yes ☐ No

Would you consider using podcasts again for continuing education?

☐ Yes ☐ No

What are your recommendations for improving this activity?

Which CE topic is your highest learning priority?

In order to assist us in measuring the outcomes of this educational activity, would you be willing to participate in a brief post-activity questionnaire?

☐ Yes ☐ No

If yes, please include your e-mail address here: _____

CREDIT INFORMATION

(PLEASE PRINT)

Name _____

Degree _____

Mailing Address _____

City _____ State _____ ZIP _____

Phone _____ Fax _____

E-mail _____

Time spent _____ (Max. 1.75 hours)

By signing, I certify that I have completed this educational activity.

Signature: _____ Date: _____

Thank you for completing this CE activity.

Please remember to fax your Evaluation Form and Credit Information to (908) 450-3300 or mail to
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