



# Post Test, Evaluation, and Credit Application

## From Pre-Emptive to Salvage Antifungal Therapy: Achieving Successful Outcomes

### PODCAST

Release Date: June 11, 2009    Expiration Date: June 25, 2010    Center Serial #: CV3103-2

Select your professional title:  Physician     Pharmacist    Other \_\_\_\_\_

Select your practice setting:  Teaching hospital     Community hospital     LTAC  
Other \_\_\_\_\_

### INSTRUCTIONS FOR CREDIT

1. Review the 3 Podcast Episodes in their entirety.
  2. Print and complete the Post Test, Evaluation, and Credit Application form.
  3. Mail the completed Post Test, Evaluation, and Credit Application form to  
Vemco MedEd, 245 US Highway 22, Suite 304, Bridgewater, NJ 08807  
OR  
Fax to (908) 450-3300.
- Documentation of credit will be mailed within 4 weeks of receipt of the completed Post Test, Evaluation, and Credit Application form.*

### POST TEST

**A 25-year-old woman undergoes bilateral lung transplantation and remains on long-term immunosuppressive therapy. She is doing generally well, but at a routine follow-up visit, she complains of chest pain. A CT scan reveals multiple nodules in the left lung.**

In the absence of additional diagnostic results, would you initiate empiric antifungal therapy at this point? If so, what agent would you select and why?

\_\_\_\_\_

\_\_\_\_\_

**A 56-year-old man with leukemia undergoes HSCT from an unrelated donor. He develops GvHD in the GI tract and undergoes immunosuppressive therapy along with voriconazole prophylaxis. After several months of immunosuppressive therapy and voriconazole prophylaxis, he begins to improve. However, a biopsy of the stomach reveals an unusual lesion that is eventually identified as a Zygomycetes infection.**

How would you approach the management of this patient?

\_\_\_\_\_

\_\_\_\_\_

Would you consider combination therapy for this patient? Why or why not?

\_\_\_\_\_

\_\_\_\_\_

**POST TEST (contd)**

A 4-year-old boy receives a bone marrow transplant to treat Hurler syndrome. He engrafts well but a lesion appears at the central venous catheter site. He was receiving low doses of voriconazole and lipid-based amphotericin B as prophylaxis. A biopsy of the lesion reveals septated hyphae and the current low-dose regimen of antifungals is continued. The infection eventually spreads to the bones of the legs as well as a large area of the chest wall. He undergoes surgery to remove the infected tissue and is treated with higher doses of voriconazole. What criteria would you use to determine if serum concentration monitoring of voriconazole is necessary?

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The infection is identified as *Fusarium solani* with reduced susceptibility to amphotericin B and voriconazole. What alternative strategy would you consider?

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*Your evaluation and suggestions will help improve the quality of future continuing education activities. Please answer the following general questions, provide written comments, and evaluate the individual faculty. Additional space for your comments and suggestions is available. Thank you for your cooperation.*

<b>LEARNING OBJECTIVES: Were the learning objectives met?</b>	<b>Yes</b>	<b>Somewhat</b>	<b>No</b>
Distinguish between the advantages of a pre-emptive strategy and empiric treatment when managing patients with IFIs			
Identify the causes of treatment failure and recognize options for salvage therapy			
If you answered 'No' to any objective, please explain.			

<b>FACULTY</b>	<b>Excellent</b>	<b>Good</b>	<b>Fair</b>	<b>Poor</b>
<b>Elizabeth S. Dodds Ashley, PharmD, MHS, BCPS</b>				
Teaching ability				
Knowledge and expertise in the subject				
<b>John R. Perfect, MD</b>				
Teaching ability				
Knowledge and expertise in the subject				

<b>OVERALL EVALUATION</b>	<b>Yes</b>	<b>Somewhat</b>	<b>No</b>
1. This activity met my expectations.			
2. The content was relevant to my practice.			
3. This activity was fair and balanced.			
4. This activity was without commercial bias.			
If you answered "No" to 3 or 4, please explain.			

EPISODES	Excellent	Good	Fair	Poor
<b>Episode 1: 25-year-old bilateral lung transplant recipient</b>				
Value of topic				
Quality of presentation				
<b>Episode 2: 56-year-old HSCT recipient</b>				
Value of topic				
Quality of presentation				
<b>Episode 3: 4-year-old bone marrow transplant recipient</b>				
Value of topic				
Quality of presentation				
LEARNING FORMAT	Yes	Somewhat	No	
1. The course format enhanced achievement of learning objectives.				
2. The format was easy to follow and understand.				
ACTIVITY MANAGEMENT	Yes	Somewhat	No	
1. Podcast was easy to access.				
2. Podcast format was conducive to learning.				
PRACTICE APPLICATION				
1. What aspects of this activity were most relevant to your practice?				
2. Please list two reasons why a patient may fail to respond to initial antifungal therapy.				
3. Do you intend to make changes to your practice based on participation in this activity? If yes, please specify.				
4. What aspects of IFIs do you need to learn more about to improve your practice performance?				
DO YOU HAVE (1) ANY SUGGESTIONS FOR IMPROVING THIS ACTIVITY or (2) ANY ADDITIONAL COMMENTS?				

**POST ACTIVITY SURVEY (Please check all that apply)**

Center for Independent Healthcare Education is dedicated to promoting a spirit of lifelong learning and continuous professional development. To that end, we are interested in understanding your specific barriers and challenges. Please take a few moments to complete this Post Activity Survey. Please note that your individual responses will be kept confidential.

**Are you familiar with the guidelines recently released by the Infectious Diseases Society of America on the management of aspergillosis and candidiasis?**

- Yes, I have read them
- Yes, but I have not read both of them carefully
- No, I am not aware of them

**What are the greatest challenges you face in incorporating management guidelines into your practice?**

- Getting access to the guidelines
- Finding time to read the guidelines
- Understanding how to apply the guidelines to daily practice
- Other (please explain) \_\_\_\_\_

**Do you consider yourself well-equipped to be an equal partner of the healthcare team when managing patients with IFIs?**

- I have knowledge of the guidelines and recent clinical research and know what to do
- I have knowledge of the guidelines and recent clinical research but do not know how to implement this knowledge in clinical practice
- I need more information on the guidelines and clinical research
- Other (please specify) \_\_\_\_\_

**What are the tools and competencies you need to appropriately prevent and manage IFIs?**

- Knowledge of current guidelines
- Knowledge of the most common fungal pathogens
- Strategies for prevention and infection control
- Strategies for selecting the most appropriate antifungal agent
- Practical guide on the use of the latest diagnostic techniques
- Criteria that can be used for empiric antifungal selection
- Strategies to use when initial antifungal treatment fails
- Other (please specify) \_\_\_\_\_

**CREDIT APPLICATION (Please Print)**

Name \_\_\_\_\_ Degree \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

E-mail address \_\_\_\_\_ May we contact you by e-mail?  Yes  No

Type of credit requested  ACPE  AMA

**I certify that I participated in *From Pre-Emptive to Salvage Antifungal Therapy: Achieving Successful Outcomes* Podcast and reviewed all three episodes.**

Signature \_\_\_\_\_ Date \_\_\_\_\_

For questions regarding accreditation of this activity, please contact Center for Independent Healthcare Education at [info@jointsponsor.com](mailto:info@jointsponsor.com).