CME/CE QUIZ

CME/CE QUESTIONS

Continuing Medical Education Accreditation

The University of Cincinnati College of Medicine designates this educational activity for a maximum of 2 Category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those hours that he/she actually spends in the educational activity.

The University of Cincinnati College of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor medical education for physicians.

Continuing Pharmacy Education Accreditation



Pharmacy Times is approved by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. This program is approved for 2 contact

hours (0.2 CEU) under the ACPE universal program number of 290-999-04-027-H01.

Instructions

After reading "Treatment and Management Options for Reversible Airway Disease," complete the program evaluation and select the 1 best answer to each of the following questions. A statement of continuing education hours will be mailed to those who successfully complete (a minimum score of 70%) the examination at the conclusion of the program.

- 1. Chronic obstructive pulmonary disease (COPD) is characterized by progressive airflow obstruction that is often accompanied by:
 - a) Hypocapnia
 - b) Pansinusitis
 - c) Pulmonary edema
 - d) Airway hyperreactivity
- 2. COPD is linked to several different systemic sequelae, including:
 - a) Chronic cough and nasal congestion
 - b) Chronic bronchitis and emphysema
 - c) Cor pulmonale and coccidioidomycosis
 - d) Pneumonia and upper respiratory infections
- 3. In children the risk factors for asthma include female sex, upper respiratory infections, influenza, and low body weight.
 - a) True
 - b) False
- 4. Classification of asthma is based on:
 - a) Severity
 - b) Sex
 - c) Family history
 - d) Comorbid conditions

- 5. Those who are at most risk for exacerbations are:
 - a) Asthma patients only
 - b) COPD patients only
 - c) All patients with asthma and COPD
 - d) Patients with immune deficiencies only
- 6. First-line therapy for overall COPD and related exacerbations is:
 - a) Oxygen therapy
 - b) Intravenous methylxanthines
 - c) Inhaled bronchodilator therapy
 - d) Systemic glucocorticosteroid therapy
- 7. Short-acting β_2 -agonists include:
 - a) Albuterol and levalbuterol
 - b) Tiotropiam bromide
 - c) Budesonide and fluticasone
 - d) All of the above
- 8. According to the National Asthma Education and Prevention Program on the Global Initiative for Asthma, inpatient care exacerbations in asthma emphasize the use of inhaled short-acting β_2 -agonists while systemic β_2 -agonists should be considered only for very severe or nonresponsive cases.
 - a) True
 - b) False
- 9. The Global Initiative for Chronic Obstructive Lung Disease suggests the addition of systemic corticosteroids to bronchodilators for:
 - a) Patients who smoke
 - b) Moderate-to-severe COPD
 - c) A viral infection
 - d) Eupnea
- 10. Antibiotics are recommended for:
 - a) Excessive rhinorrhea and tracheitis
 - b) A viral infection
 - c) Hypoxia and hypocapnia
 - d) Dyspnea with purulent sputum
- 11. The prevalence of asthma has been rising in:
 - a) Children but not adults
 - b) Men but not women
 - c) Blacks but not whites
 - d) All groups
- 12. The S-isomer of albuterol:
 - a) Is known to be pharmacologically inert
 - b) Is responsible for all therapeutic benefits in asthma
 - Causes effects that may negate the therapeutic effects of the R-isomer
 - d) Is metabolized faster than the R-isomer

CME/CE QUIZ

13. Because levalbuterol is the pure R-isomer of a selective β_2 -agonist, it causes:

- a) No side effects
- b) No harmful effects on asthmatic symptoms, but dose-related effects on the heart
- c) The same effects as a nonselective β -agonist
- d) The same effects as an α -antagonist

14. Compared with equal doses of racemic albuterol, levalbuterol would be:

- a) Equally effective but safer
- b) Less effective but safer
- c) More effective and at least as safe
- d) More effective but more likely to cause adverse effects

15. The cost effectiveness of levalbuterol compared with racemic albuterol has been shown in all of the following ways EXCEPT:

- a) Lower drug acquisition cost per dose
- b) Shorter length of hospital stay
- c) Low number-needed-to-treat to avert one hospitalization
- d) Lower overall cost of treatment

16. Healthcare expenditures for asthma and COPD are expected to decrease in the near future.

- a) True
- b) False

17. Which of the following are challenges that are faced by managed care organizations in the management and treatment of asthma and COPD?

- a) Lack of acceptance and incorporation into daily practice of clinical guidelines
- b) Suboptimal or undertreatment of asthma and COPD patients
- c) Lack of coverage for preventive care measures such as smoking cessation
- d) All of the above

18. Which of the following statements is FALSE?

- a) Asthma and COPD are disease states that primarily affect adults over the age of 65 who are unemployed
- b) During 1994-1996, 14.5 million missed work days occurred as a result of asthma complications
- Utilization of healthcare resources in COPD is related to disease severity
- d) Treatment guidelines for asthma and COPD stratify treatment alternatives by disease severity

19. A tool used by managed care organizations to predict future patient outcomes when taking risk factors of disease progression into account is:

- a) Statistical progression
- b) Standard outcome theory
- c) Theoretical prediction
- d) Risk modeling

20. One of the major problems with clinical guidelines is that they are:

- a) Ślow to incorporate new drug treatments
- b) Often too complicated to implement into clinical practice
- Lack specific instructions for managing disease states
- d) None of the above

CME QUIZ

For Physicians

CME TEST FORM	(PLEASE PRINT CLEARLY)
Treatment and Management Options	Name/Degree
or Reversible Airway Disease	Street
Please circle your answers:	City
l. a b c d	
2. a b c d	State/ZIP
3. a b 4. a b c d	Daytime Phone
5. a b c d	Fax
6. a b c d	E-mail
7. a b c d	Credit Card (circle one) VISA MasterCard
8. a b 9. a b c d	
10. a b c d	Credit Card Number
II. a b c d	Expiration Date
I2. a b c d	
13. a b c d	Signature (REQUIRED)
14. a b c d	Sponsored by the University of Cincinnati for
16. a b	2 hours of Category 1 CME credit.
17. a b c d	Release Date: July 2004
18. a b c d	Expiration Date: July 31, 2005
19. a b c d	A92
20. a b c d	CME Activity Evaluation
Answer Form Instructions: Testing and Grading Procedures	Activity Evaluation
1. Each participant achieving a passing	grade of 70% How long did it take you to complete this activity?
or higher on any examination will rece	ive an official minutes
computer form stating the number of earned. This form should be safeguar	ded and may How well did this activity achieve its educational objectives?
be used as documentation of credits e	arned. □ Very well □ Well □ Somewhat □ Not at all
2. Participants receiving a failing grade will be notified and permitted to take	
tion at no cost.	
3. All answers should be recorded on the	answer form.
4. To receive credit certification el please provide your e-mail address	D (I 'I
mail or fax the test portion of t	his page to:
University of Cincinnati, Office of C	CME, PO Box Will you make changes in your practice as a result of
670567, Cincinnati, OH 45267-0 513-558-7277; fax: 513-558-1708.	
clearly to ensure receipt of CME cred	

CE QUIZ

For Pharmacists

ANSWER CARD INSTRUCTIONS

Testing and Grading Procedures

- 1. Each participant achieving a passing grade of 70% or higher on any examination will receive an official computer form stating the number of CE credits earned. This form should be safeguarded and may be used as documentation of credits earned.
- 2. Participants receiving a failing grade on any exam will be notified and permitted to take 1 reexamination at no cost.
- 3. All answers should be recorded on the answer form. Please print clearly to ensure receipt of CE credit.
- 4. To receive credit certification electronically, please provide your e-mail address. Detach and mail completed exam form with your \$10.00 payment to *Pharmacy Times* CE Department, 405 Glenn Drive, Suite 4, Sterling, VA 20164-4432; or fax to 703-404-1801.
- 5. Take the test online with a \$5.00 payment at www.pharmacytimes. com and receive immediate grading and CE credits, and download your CE statement of credit.

Please photocopy the test form for additional test takers





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Answer card and evaluation form for Pharmacists follow on page \$168.

CE QUIZ

For Pharmacists ANSWER CARD AND EVALUATION FORM (PLEASE PRINT CLEARLY) Name/Degree _____ PROGRAM EVALUATION Please mark your level of agreement with the following statements. (4 = Strongly Agree; 0 = Strongly Disagree) State/ZIP _____ Daytime Phone _____ 1) Met its stated objectives 4 3 2 1 0 2) Was well organized 4 3 2 1 0 E-mail 3) Contributed to my knowledge 4 3 2 1 0 ☐ Check (payable to *Pharmacy Times CE Department*) ☐ Credit Card (check one) 4) Presented current and relevant ☐ VISA MasterCard ■ American Express 4 3 2 1 0 information SSN ____-__ 5) Presented information in a fairly Credit Card Number _____ balanced and noncommercial 4 3 2 1 0 manner Expiration Date _____ 6) Offered information useful in Signature (REQUIRED) 4 3 2 1 0 my professional practice Sponsored by Pharmacy Times for 7) Provided new insights into 2 contact hours (0.2 CEUs) of CE credit. contemporary pharmacy 4 3 2 1 0 practice Expiration Date: July 31, 2005 **ANSWER CARD** Detach and mail Please circle your answers: completed answer card and evaluation form 2 with your \$10.00 payment to: a Pharmacy Times CE Department 405 Glenn Drive C C C Suite 4 Sterling, VA 20164-4432 d d 16 12 13 14 17 18 19 a h b b h b b C C d d d d d d d d d

PROLA92

CONTINUING EDUCATION

Treatment and Management Options for Reversible Airway Disease

GOAL

To provide participants with epidemiology and burden of illness of reversible airway diseases, such as asthma and chronic obstructive pulmonary disease (COPD), its costs, treatment options, and related managed care issues.

TARGET AUDIENCE

This activity is designed for physicians specializing in pulmonary medicine, allergy, and primary care; pharmacists; medical directors; pharmacy directors; group practice directors; hospital directors; home healthcare directors; and other managed care decision makers.

EDUCATIONAL OBJECTIVES

After completing this continuing education activity, the participant should be able to:

- Describe the epidemiology, clinical and economic burden, and natural history of COPD and asthma.
- Review the new therapeutic options available for the treatment of asthma and COPD.
- Compare the cost effectiveness of levalbuterol versus racemic albuterol.
- Discuss the impact of treating and managing asthma and COPD on managed care organizations.

CONTINUING MEDICAL EDUCATION ACCREDITATION

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CONTINUING PHARMACY EDUCATION ACCREDITATION

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