



**Log In To Learn: An engaging and interactive journal club for pharmacists and student pharmacists**

**August 11: Use of Beta-Blockers in Patients with COPD**

**Activity Description:**

Many patients with chronic obstructive pulmonary disease (COPD) also have an indication, such as heart failure or post-myocardial intervention, to take beta blockers. The use of these agents for patients with COPD has been controversial for years. This study retrospectively evaluated risk for exacerbations and mortality for COPD patients taking beta blockers long-term. In a 10 year follow-up, beta blockers actually showed a reduction in exacerbations and improvement in mortality. Join the live discussion to further evaluate this study and the impact for your patients.

**Learning Objectives:**

*Upon successful completion of this activity, pharmacists and student pharmacists should be able to:*

1. Discuss the controversy surrounding the use of beta blockers in chronic obstructive pulmonary disease (COPD).
2. Describe the challenges of using retrospective claims data.
3. Compare and contrast propensity score to hazards regression analyses.
4. Evaluate the results from the analysis regarding mortality and risk of exacerbations.
5. Discuss the impact of the study on your patients with COPD.

**Target Audience:**

Pharmacists and Student Pharmacists (preceptors and student pharmacists on advanced rotations are strongly encouraged to join the discussion together)

**Faculty:**

Heather R Bream-Rouwenhorst, PharmD, BCPS  
Clinical Pharmacy Specialist, Veterans Administration Medical Center  
Clinical Assistant Professor, University of Iowa College of Pharmacy

**Faculty Disclosure:**

Dr. Bream-Rouwenhorst reports she has no actual or potential conflicts of interest in relation to this continuing pharmacy education activity. She may be discussing off label indications.

**CPE Credit:**

To obtain 1.5 contact hour of continuing pharmacy education credit (0.15 CEU), participants must read the trial in The Lancet, participate in the webinar, and log onto the CEI website to complete the exam and evaluation located in your online portfolio. A CE Statement of Credit

will be automatically generated upon achieving a passing grade of 70% on the 10-question exam and completion of the activity evaluation. (CEI provides you with two (2) opportunities to complete the exam.) You may print this CE Statement of Credit; it will also be stored in your online CEI portfolio for you to retrieve a copy at any time.

Activity release date: May 12, 2010  
Activity expiration date: May 12, 2011



The Collaborative Education Institute is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. This is an application-based CPE activity.

Universal Activity Number (UAN) #0107-0000-10-051-L01-P  
0.15 CEUs/1.5 Hrs.

### **Activity Format**

This activity includes reading *Beta-Blockers May Reduce Mortality and Risk of Exacerbations in Patients With Chronic Obstructive Pulmonary Disease*, Frans H. Rutten, MD, PhD; et al. *Arch Intern Med.* 2010;170(10):880-887; and participation in a WebEx presentation through the internet and a long distance phone line. Upon registration, pharmacists and student pharmacists will be provided the article, a link to the WebEx presentation, and a call in number (this number is not a toll free number; participants are responsible for long distance charges). You may print the handouts associated with this activity prior to viewing.

### **Technology Requirements:**

To ensure the highest quality delivery of this activity, a reliable high-speed internet connection is required. You may experience problems with some wireless connections where signal strength is variable or low. When using a Mac, select Adobe Reader® as the format to open the handouts, and it will be accessible to open and print. In addition, a phone line is needed to access the faculty voice.

### **Financial Support:**

There was no financial support provided for this activity.

### **Activity Fee:**

An activity fee of \$10 will be assessed for grading the exam instrument and issuing the CE Statement of Credit. This activity is available at no cost for preceptors and student pharmacists from participating schools.

**If you would like to participate in this continuing pharmacy education activity, please close this window and proceed to REGISTER. Please remember to use the access code LITL4 when registering.**