Purpose
This activity is designed to provide education pertaining to the symptoms and
diagnosis of allergic and non-allergic angioedema.

Virginia Commonwealth University
Hermes A. Kontos Medical Sciences Building Auditorium
1217 E. Marshall Street • Richmond, VA 23298

Thursday, October 3, 2013 • 12:00 PM
RSVP by Tuesday, October 1, 2013

Speaker
Bruce L. Zuraw, MD
Professor of Medicine
Chair, Section of Allergy & Immunology
Director, Allergy & Immunology Training Program
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San Diego Veterans Affairs Medical Center
La Jolla, California

Register Online at www.rmei.com/HAElectures

Tentative Meeting Agenda
Overview ..................... 5 minutes
Presentation .................. 45 minutes
Q&A Session ................. 10 minutes
TARGET AUDIENCE
This activity has been designed to meet the educational needs of allergists/immunologists, internists, family practitioners, gastroenterologists, physician assistants, pharmacists, nurse practitioners, and registered nurses who are involved in the care of patients with allergic and non-allergic angioedema.

STATEMENT OF NEED
Hereditary angioedema (HAE) is an autosomal dominant disorder that is associated with a deficiency in C1 esterase inhibitor protein (C1-INH). It is characterized by recurrent and unpredictable episodes of cutaneous or mucosal edema of the extremities, face, genitalia, trunk, gastrointestinal tract, or upper airway. It can be life-threatening if the larynx is involved, as occurs in approximately 2% of cases. The edema is typically associated with other symptoms, such as nausea and vomiting with involvement of the GI tract.1 Peripheral swelling is usually nonpruritic and nonerythematous. It was typically thought of as painless,2 but can be associated with pain.3

Triggers of HAE attacks include infection, trauma, medical procedures, stress, and medications such as ACE inhibitors and oral contraceptives, although many occur spontaneously.1 1 Prodomal symptoms have been reported, such as fatigue, rash, nausea, and localized sensory disturbance;5 in one study 71% of patients reported prodomal symptoms.6 Frequency and severity of attacks are completely unpredictable. Disease manifestation can be variable within a family2 and even within a patient’s lifetime.1

EDUCATIONAL OBJECTIVES
After participating in this educational initiative, participants will be able to:
• Discuss epidemiology, morbidity and mortality, and socioeconomic consequences associated with HAE
• Describe the etiology and pathophysiology of the different types of HAE and other bradykinin-mediated angioedema
• Summarize the signs and symptoms of HAE, differential diagnosis, and clinical and laboratory workup

CONTINUING EDUCATION INFORMATION
PHYSICIAN CONTINUING EDUCATION
Accreditation Statement
This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of Postgraduate Institute for Medicine and RMEI, LLC. The Postgraduate Institute for Medicine is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation
Postgraduate Institute for Medicine designates this live activity for a maximum of 1.0 AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

PHARMACIST CONTINUING EDUCATION
Accreditation Statement
Postgraduate Institute for Medicine is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.

Credit Designation
Postgraduate Institute for Medicine designates this continuing education activity for 1.0 contact hour (0.10 CEUs) of the Accreditation Council for Pharmacy Education. (Universal Activity Number—0809-9999-13-275-L01-P)

ACTIVITY TYPE: Knowledge

PHARMACY EDUCATIONAL OBJECTIVE
After completing this activity, the participant should be able to:
• Provide accurate and appropriate counsel as part of the treatment team

For Pharmacists: Upon receipt of the completed activity evaluation form, transcript information will be available at www.mycpemonitor.net within 4 weeks.

NURSING CONTINUING EDUCATION
Credit Designation
This educational activity for 1.0 contact hour is provided by Postgraduate Institute for Medicine.

Accreditation Statement
Postgraduate Institute for Medicine is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

California Board of Registered Nursing
Provider approved by the California Board of Registered Nursing, Provider Number 13485 for 1.0 contact hour.
A statement of credit will be issued only upon receipt of a completed activity evaluation form and will be mailed to you within 4 weeks.

NURSING EDUCATIONAL OBJECTIVE
After completing this activity, the participant should be able to:
• Provide appropriate care and counsel for patients and their families

FEE INFORMATION
There is no fee for this educational activity.

DISCLOSURE OF CONFLICTS OF INTEREST
Postgraduate Institute for Medicine (PIM) requires instructors, planners, managers and other individuals who are in a position to control the content of this activity to disclose any real or apparent conflict of interest (COI) they may have as related to the content of this activity. All identified COI are thoroughly vetted and resolved according to PIM policy. PIM is committed to providing its learners with high quality CME activities and related materials that promote improvements or quality in healthcare and not a specific proprietary business interest of a commercial interest.