Pharmacist Emergency Responders for Cardiac Arrest and Other Medical Emergencies
Practice Based Program
16 Contact Hours

Presented by New York State Council of Health-system Pharmacists
May 1-2, 2014
Saratoga Hilton, Saratoga Springs NY

Practice Based Program

*Sponsored by Greater NY Hospital Association and the New York State Council of Health-system Pharmacists*
<table>
<thead>
<tr>
<th>TIME</th>
<th>Duration</th>
<th>TOPIC</th>
<th>SPEAKERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 AM – 11:00 AM</td>
<td>2 HOURS</td>
<td>RECEPTORS, PERCEPTIONS, OUTCOMES, CONTROVERSIES AND REALITIES: THEORETICAL AND PRACTICAL APPLICATION OF PHARMACOLOGY IN EMERGENCIES</td>
<td>BILLY SIN</td>
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<tr>
<td>11:00 AM – 11:15 AM</td>
<td>15 MINUTES</td>
<td>BREAK</td>
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<tr>
<td>11:15 am – 12:15 pm</td>
<td>1 HOUR</td>
<td>DRIP, DRIP, DRIP: MANAGING EMERGENCY AND CRITICAL CARE INFUSIONS</td>
<td>KIMBERLY SAROSKY</td>
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<tr>
<td>12:15 PM – 12:45 PM</td>
<td>½ HOUR</td>
<td>LUNCH</td>
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<tr>
<td>12:45 PM – 2:15 PM</td>
<td>1½ HOUR</td>
<td>EMERGENCY MEDICINE SCENARIO MANAGEMENT -ACUTE CORONARY SYNDROMES -STROKE -ARRHYTHMIAS</td>
<td>VICTOR COHEN</td>
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<tr>
<td>2:15 PM – 3:45 PM</td>
<td>1½ HOUR</td>
<td>INTENSIVE CARE SCENARIO MANAGEMENT -HYPOGLYCEMIA -SEIZURES -SHOCK -FACILITATED AND RAPID SEQUENCE INTUBATION</td>
<td>MELISSA MILLER</td>
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<tr>
<td>3:45 PM – 4:00 PM</td>
<td>15 MINUTES</td>
<td>BREAK</td>
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<tr>
<td>4:00 PM – 6:00 PM</td>
<td>2 HOURS</td>
<td>NICE RHYTHM, BUT CAN YOU DANCE TO IT? ECG RECOGNITION</td>
<td>ROBERT DIGREGORIO</td>
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<td>MAY 2, 2014</td>
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<tr>
<td>7:00 AM – 8:00 AM</td>
<td>1 HOUR</td>
<td>IS THERE A DOCTOR (OF PHARMACY) IN THE HOUSE? ROLES AND RESPONSIBILITIES OF THE EMERGENCY PHARMACY RESPONDER</td>
<td>ROBERT DIGREGORIO VICTOR COHEN</td>
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<tr>
<td>8:00 AM – 9:00 AM</td>
<td>1 HOUR</td>
<td>SPECIAL SITUATIONS FOR THE EMERGENCY PHARMACIST TO CONSIDER -TOXINS -HYPOPERMIA AND DROWNING -POST-ARREST INDUCED HYPOTHERMIA</td>
<td>KIMBERLY SAROSKY MELISSA MILLER</td>
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<tr>
<td>9:30 AM – 4:30 PM</td>
<td>6 HOURS</td>
<td>COMPLETION OF AHA BCLS PRACTICAL TRAINING COMPLETION OF AHA ACLS CURRICULUM PARTS 2 &amp; 3 (HANDS ON SKILLS PRACTICE AND TESTING)</td>
<td>JUSTINE BETZU ROBERT DIGREGORIO VICTOR COHEN BILLY SIN MELISSA MILLER KIMBERLY SAROSKY</td>
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<td>2 BREAKS AND ½ HOUR LUNCH BREAK</td>
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**Intended Audience:** This educational activity has been designed for pharmacists as emergency responders for cardiac arrest and other medical emergencies with competencies in the areas of arrhythmia recognition, pharmacology and disease state management.

**The key components involve:**
Pre-Requisites/Co-Requisites (Done as Home Study or submitted as proof at registration) – 12 hrs online (Not NYSCHP ACPE accredited)

BCLS Part 1 (American Heart Association (AHA)) online. This is a two hour AHA pre-requisite to taking ACLS. NYS allows CE credit for BCLS courses. Online course costs the individual $22. The hands-on portion required for certification can be administered by our ACLS trainer on Day 2 as a practical station, combined with the ACLS testing stations.
http://shop.aha.channing-bete.com/onlinestore/storeitem.html?id=179468

HeartCode ACLS Part 1 (American Heart Association (AHA)) online. This is part 1 of a three part AHA curriculum. Parts 2 and 3 would be done in person at the Annual Assembly (AA). Successful completion of the online portion and written exam results in a certificate for part 1. AHA provides 10 hours of ACPE credit for this online portion of the course. Universal Program Number: 0256-0000-11-647-H01-P. Costs for ACLS courses and materials are determined by Training Centers or Instructors and may vary. The AHA does not regulate price; however, provides its authorized distributors suggested retail pricing on course materials. The online course “key” for Part 1 (90-1405) is only available through three vendors. The cost, per student is $110 (http://shop.aha.channing-bete.com/onlinestore/storeitem.html?id=179998&cid=134704&item=HeartCode%28R%29+ACLS+Part+1)

**Elements of Part 1 include:**
- Ten adult patient cases with up to four healthcare providers, presented through eSimulation technology:
  - One BLS case
  - Seven cases representing cardiovascular, respiratory and stroke emergencies
  - Two Megacodes
- Recognition and early management of respiratory and cardiac arrest
- Recognition and early management of peri-arrest conditions such as symptomatic bradycardia
- Airway management
- Related pharmacology
- Management of acute coronary syndromes (ACS) and stroke
- Effective communication as a member and leader of a resuscitation team

**Recommendation:** Participants defer taking the exam until after participating in Day 1 of NYSCHP Practice Based Program.

**Statement of Need:** Pharmacists play an essential role as an emergency code responder. This certificate program is a comprehensive program designed to provide pharmacists with the knowledge and skills necessary to address cardiac arrest and other medical emergencies. Certification is necessary to ensure appropriate advanced cardiovascular life support and necessary medical interventions and medication management based on pharmacology and evidenced-based literature.
**Learner’s Gap:**
This activity will train pharmacists to respond to emergency codes
- ECG Recognition
- Applications of Pharmacology in Emergencies
- Emergency Medicine Scenario Management; ACS; Stroke; Arrhythmias
- Intensive Care Scenario Management: Hypoglycemia; Seizures; Shock; Facilitated and Rapid Sequence Intubation
- Identify the roles and responsibilities of the Emergency Pharmacy Responder
- Emergency Pharmacists Special considerations: Toxins; Hypothermia and Drowning and Post-Arrest Induced Hypothermia

**Special Needs:**
NYSCHP complies with the legal requirements of the Americans with Disabilities Act.

**PRE-REQUISITES:**
Pre-Requisites/Co-Requisites (Done as Home Study or submitted as proof at registration) – 12 hrs online (Not NYSCHP ACPE accredited)

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**Learning Objectives of the 2 Day Live Seminar:**
- Identify key components of advanced cardiovascular life support, reflecting the 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care
- Demonstrate basic life support skills, including effective chest compressions, use of a bag-mask device and use of an (AED)
- Recognize and manage respiratory and cardiac arrest
- Recognize and management of peri-arrest and critical medical conditions such as symptomatic bradycardia, hypoglycemia, seizures, shock, arrhythmias, acute coronary syndromes, and stroke
- Recommend medical interventions to facilitate airway management
• Provide recommendations for the selection and dosing of emergency medications, based on pharmacology and evidenced-based literature
• Describe the role of the pharmacist as a member of a resuscitation team

Accreditation:

Pharmacist Emergency Responders for Cardiac Arrest and Other Medical Emergencies Practice Based Certificate Program was developed by the New York State Council of Health-system Pharmacists. The New York State Council of Health-system Pharmacists is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.

Activity type: Practice Based

Credit Designation:

Pre-Requisites must be met to obtain a Certificate of Achievement

Live training seminar is approved for 16.0 hours (1.6 CEUs) of continuing education credit. ACPE Universal Activity Number is 0134-0000-14-086-L05-P (Initial release date: 5/01/2014; expiration date 5/01/2017).

Certification Practice Bases Certificate: UAN: 0134-0000-14-087-L05-P
*Certificate of Achievement will be mailed to participants 6 weeks following receipt of completed program materials.

Conflict of Interest Statement:
The “Conflict of Interest Disclosure Policy” of New York State Council of Health-system Pharmacists requires that faculty participating in any CE activity disclose to the audience any relationship(s) with a pharmaceutical or equipment company. Any presenter who has disclosed relationships may create a conflict of interest with regard to their contribution to the activity and will not be permitted to present. New York State Council of Health-system Pharmacists also requires that faculty participating in any CE activity disclose to the audience when discussing any unlabeled or investigational use of any commercial product, or device, not yet approved for use in the United States.

Program Fees:

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<th>Early Bird</th>
<th>After March 17, 2014</th>
<th>After April 16, 2014</th>
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<tr>
<td>NYSCHP Members:</td>
<td>Pharmacist</td>
<td>$400</td>
<td>$450</td>
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<tr>
<td>NYSCHP Members:</td>
<td>Resident</td>
<td>$350</td>
<td>$400</td>
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<tr>
<td>Non Members:</td>
<td>Pharmacist</td>
<td>$570</td>
<td>$620</td>
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REGISTRATION IS NOW OPEN

53rd Annual Assembly: Reflect, Refresh, Recharge
May 1-4, 2014, Saratoga Hilton, Saratoga Springs NY
To register for the NYSCHP Annual Assembly and or certificate program please go to: REGISTER
For detailed information visit: www.nyschp.org
ACKNOWLEDGEMENTS

Course Directors/Faculty

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Residency Program Director PGY-2 Emergency
Medicine Pharmacy and PG-1 Pharmacy Practice
Clinical Pharmacy Manager/Specialist Emergency
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