



AUBURN UNIVERSITY
Harrison College of Pharmacy

HARRISON COLLEGE OF PHARMACY



CONTINUING
EDUCATION

"What can it hurt?" Sodium Bicarbonate in Advanced Cardiovascular Life Support (An ACLS Controversy)

Dr. Ashlee Milam

Wednesday, May 18, 2023, ~ 12 pm -12:30 pm CT



PROGRAM OVERVIEW

Sodium bicarbonate is used frequently during cardiac arrest due to legacy behavior (doing it because it's traditionally been done) and the perception that its use is harmless. In recent years, there has been increasing evidence from studies evaluating both in-hospital and out-of-hospital cardiac arrest that sodium bicarbonate is not beneficial for empiric use during resuscitation efforts, leading the American Heart Association to classify its use as a Class III (no benefit) recommendation in the 2020 Advanced Cardiovascular Life Support guidelines. Further, its use may actually be negatively associated with outcomes such as achievement and maintenance of return of spontaneous circulation (ROSC), survival to discharge, and favorable neurological outcomes. This session will address proposed mechanisms of the potential deleterious effects of sodium bicarbonate administration, several studies evaluating outcomes in patients given sodium bicarbonate compared with patients who were not, cardiac arrest situations in which its use may be beneficial, and the role pharmacists can play in ensuring appropriate usage.

This program has been planned for Baptist Health employees. An access code will be required.

Following registration, participants will have access to course instructions, updates, presentations, webinar link, program evaluation, CE certificates and credits, etc. **This program is approved for 0.5 ACPE Contact Hours, .005 CEUs.** Once credit is awarded, transcripts will be available online within 24 hours on the learner's CPE Monitor profile at <http://nabp.pharmacy/>.

The Office of Alumni and Professional Affairs strongly encourages each participant to check their profile online within 60 days of attendance to ensure credit has been awarded properly. ACPE will not accept CE submissions after 60 days from the live seminar date.

TARGET AUDIENCE

This knowledge-based program is intended for Pharmacists (ACPE).

LEARNING OBJECTIVES

- 1) Describe potential adverse effects of sodium bicarbonate administration during cardiac arrest
- 2) Discuss recent literature regarding use of sodium bicarbonate in ACLS
- 3) Review appropriate cardiac arrest situations in which sodium bicarbonate may be beneficial
- 4) Highlight opportunities for pharmacist-driven interventions during cardiac arrest

ACTIVITY COMPLETION REQUIREMENTS

To complete the steps for CE credit, each attendee will be required to access and review program materials located within the online course, attend the live Zoom webinar, enter the attendance code within the course that was provided at the conclusion of the program, complete the program evaluation within the online course, and claim credit within the course. Please contact hsopce@auburn.edu if you have any questions or needs related to this online CE program.

FACULTY DISCLOSURES

Programming in with AUHCOP is in any way involved, whether as sole provider or joint-providership, shall exhibit fair content balance, providing the audience with information of multiple perspectives from which to form a professional opinion. In addition, the fair balance will assure that information provided does not discuss since commercial product. Brand names of all products included in the content may be mentioned for identification purposes only. Presenters in any continuing education offering will acknowledge and disclose any affiliation with the provider and such information will be made available to the audience.

Faculty disclosures will also be included on an introductory slide during the presentation. Dr. Milam has no actual or potential conflict of interest in relation to this program.

ACCREDITATION INFORMATION



The Auburn University Harrison School of Pharmacy is accredited by the Accreditation Council for Pharmacy Education as a provider for continuing pharmacy education; credits are recognized nationwide. The Universal Activity Number for this knowledge-based program is **0001-9999-23-021-L01-P** and is intended for pharmacists.

Auburn University Harrison School of Pharmacy is a Board approved provider of continuing nursing education in Alabama by the Alabama Board of Nursing. Provider Number: ABNP1515

Auburn University Harrison School of Pharmacy is a Board-approved provider of continuing education for social workers by the Alabama Board of Social Work Examiners. Provider Number:0643.

PROGRAM FACULTY

Dr. Ashlee Milam, PharmD, is a post graduate year 1 (PGY-1) pharmacy resident at Baptist Medical Center South in Montgomery, AL. She graduated magna cum laude with a Doctor of Pharmacy from Auburn University's Harrison College of Pharmacy in Auburn, AL. Her practice interests include emergency medicine, critical care, and infectious diseases. She is the primary author of “Evaluation of Monoclonal Antibodies in Preventing Hospitalizations, Emergency Department Visits, and Mortality in High-Risk COVID-19 Patients” published in *Journal of Pharmacy Technology* (2022) and is also an author of the review article "Cabotegravir: The First Long-Acting Injectable for HIV Preexposure Prophylaxis" published in *Annals of Pharmacotherapy* (2022). Her professional memberships include American Society of Health-System Pharmacists (ASHP), American College of Clinical Pharmacy (ACCP), and Alabama Society of Health System Pharmacists (ALSHP).

POST-GRADUATE EDUCATION ADVISORY COMMITTEE

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Members of the Post-Graduate Education Advisory Committee have completed a conflict-of-interest disclosure form and have no actual or potential conflicts of interest in relation to this program.