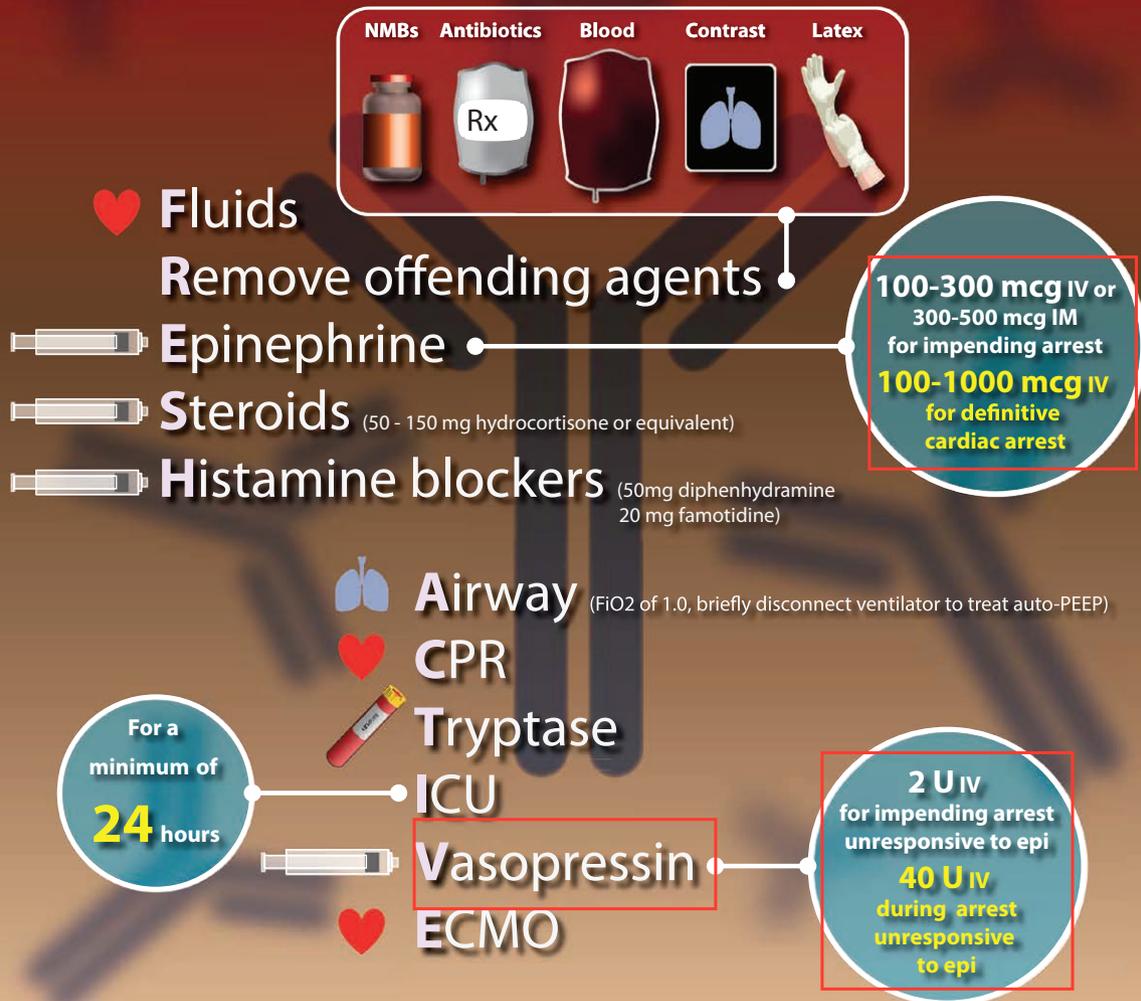


Perioperative Cardiac Arrest: Focus on Anaphylaxis

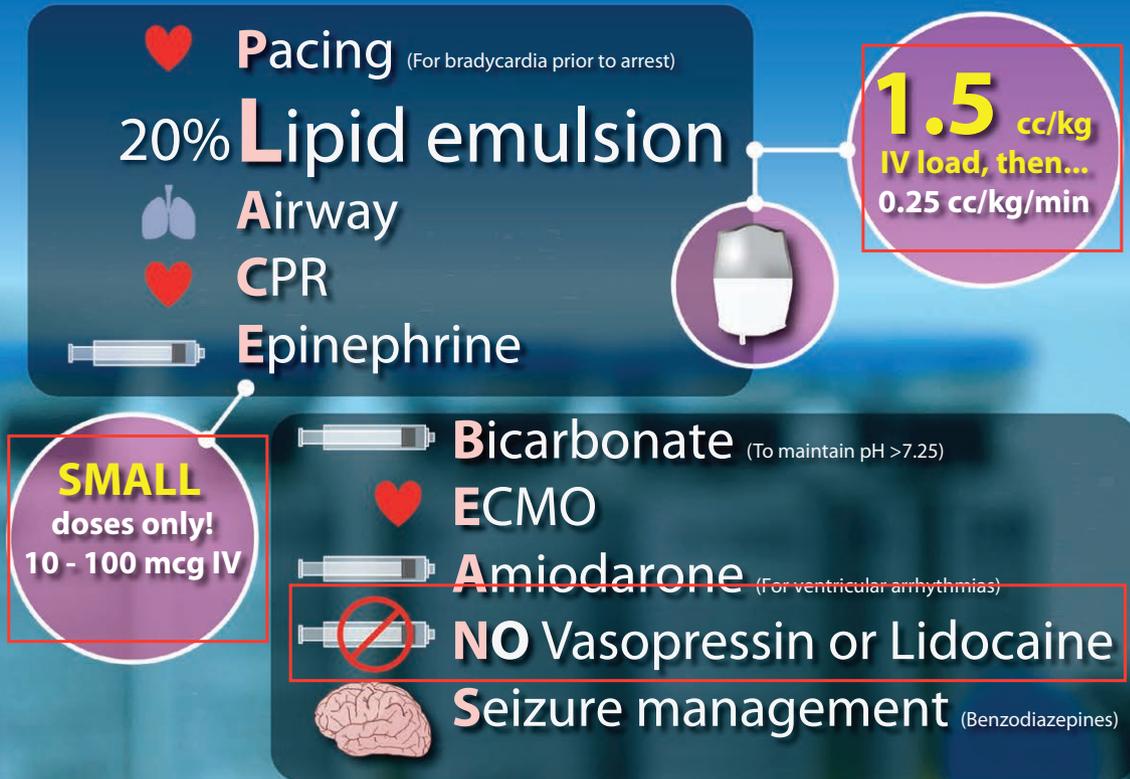
When compared to out-of-hospital cardiac arrests, such events that occur in the perioperative setting are unique with respect to their etiology, the fact that they are often witnessed firsthand and their significant departure from standard ACLS algorithms. A mnemonic device for the general approach to anaphylaxis is illustrated below.



Review articles contained in this issue elaborate the unique characteristics of in-hospital, perioperative cardiac arrest and delineate the approach to eight clinical scenarios^{1,2}. The reader is encouraged to explore these reviews for further detail.

Perioperative Cardiac Arrest: Focus on Local Anesthetic Systemic Toxicity (LAST)

When compared to out-of-hospital cardiac arrests, such events that occur in the perioperative setting are unique with respect to their etiology, the fact that they are often witnessed firsthand and their significant departure from standard ACLS algorithms. A mnemonic device for the general approach to LAST is illustrated below.



Review articles contained in this issue elaborate the unique characteristics of in-hospital, perioperative cardiac arrest and delineate the approach to eight clinical scenarios^{1,2}. The reader is encouraged to explore these reviews for further detail.

Perioperative Cardiac Arrest: Focus on Malignant Hyperthermia (MH)

When compared to out-of-hospital cardiac arrests, such events that occur in the perioperative setting are unique with respect to their etiology, the fact that they are often witnessed firsthand and their significant departure from standard ACLS algorithms. A mnemonic device for the general approach to MH is illustrated below.



Dantrolene



Remove triggering drugs



Airway management



Foley catheter & IV fluids



TIVA

2.5

mg/kg

If needed, may give at least 3 more doses.

Titrate to hypercarbia



Avoid Ca²⁺ channel blockers



Bicarbonate



Cooling efforts



DIC labs



Sugar (D50 1cc/kg)



Insulin (0.1 U/kg)



Calcium (10mg/kg)



K+ levels



MH HOTLINE

1-800-MH-HYPER (in U.S. & Canada)
00113144647079 (worldwide)

Review articles contained in this issue elaborate the unique characteristics of in-hospital, perioperative cardiac arrest and delineate the approach to eight clinical scenarios^{1,2}. The reader is encouraged to explore these reviews for further detail.

This month's issue of *Anesthesia & Analgesia* offers a review of cardiac arrest within the contextual framework of the perioperative setting. Undeniable distinctions in management emerge when such events occur within the boundaries of the operating room and postanesthesia recovery unit. Departures from conventional management algorithms defined for out-of-hospital cardiac arrest are elaborated in detail. In this series of infographics, we see simplified visual aids that capture the salient management features of anaphylaxis, local anesthetic systemic toxicity, and malignant hyperthermia.

The Infographic is composed by Naveen Nathan, MD, Northwestern University Feinberg School of Medicine (n-nathan@northwestern.edu). Illustration by Naveen Nathan, MD.

The author declares no conflicts of interest.

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