

PO Box 994 Latham, New York 12110 877-374-6257 www.medcourse.org

ACLS & PALS Packet

Required Pre-Course Preparation:

ACLS: https://elearning.heart.org/course/424
PALS: https://elearning.heart.org/course/426

Print completion with grade of at least 70% (or take a photo of it)

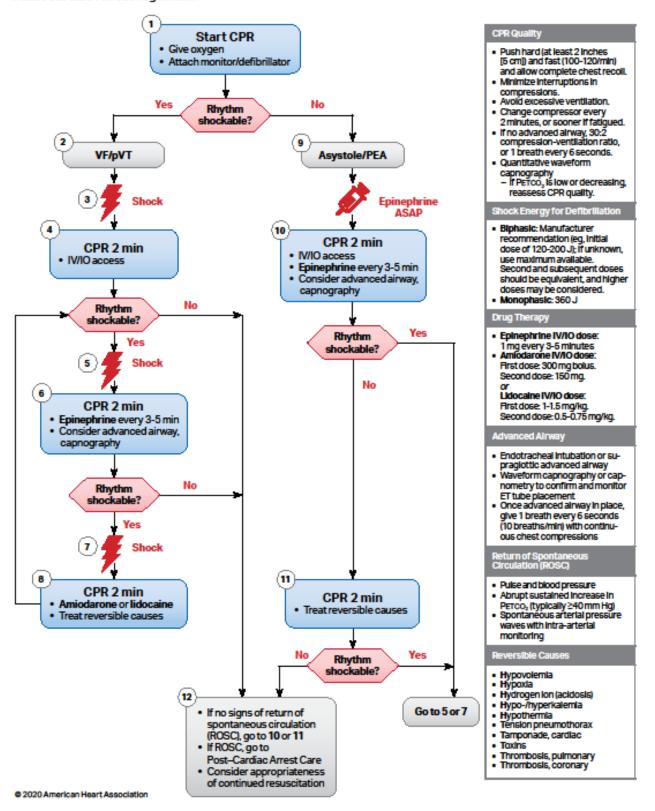
and email to info@medcourse.org

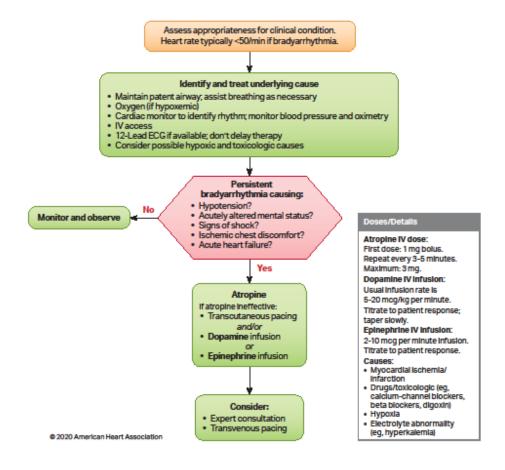
eCards: Look for an email from cards@medcourse.org about American Heart Association eCards. If you DO NOT hear from us within 10 days, send us a message so we know we have your correct email. Once cards are issued, you can claim them directly at www.heart.org/cpr/mycards, with your First Name, Last Name, and Email Address.

ACLS, PALS, BLS and First Aid Training:

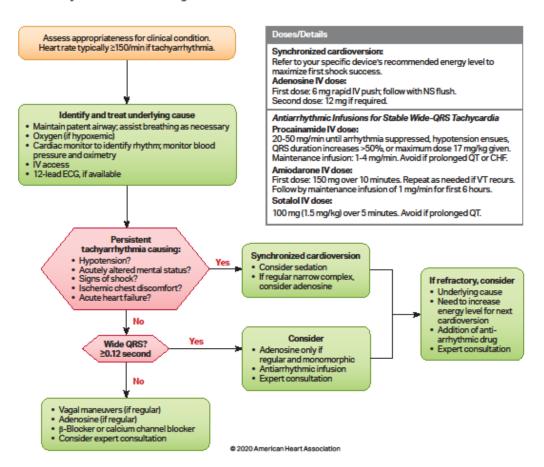
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Adult Cardiac Arrest Algorithm

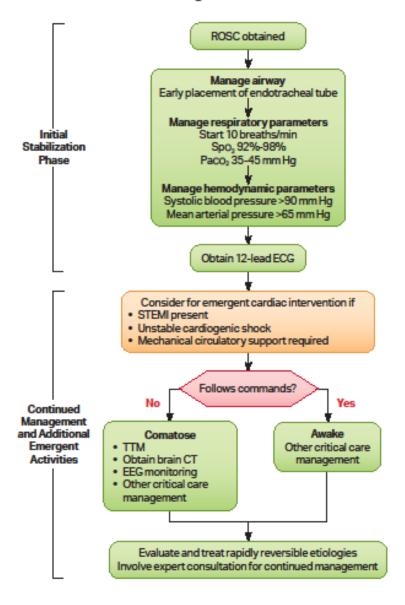




Adult Tachycardia With a Pulse Algorithm



ACLS Healthcare Provider Post-Cardiac Arrest Care Algorithm



Initial Stabilization Phase

Resuscitation is ongoing during the post-ROSC phase, and many of these activities can occur concurrently. However, if prioritization is necessary, follow these steps:

- Airway management: Waveform capnography or capnometry to confirm and monitor endotracheal tube placement
- Manage respiratory parameters: Titrate Fio, for Spo, 92%-98%; start at 10 breaths/min; titrate to Paco, of 35-45 mm Hq
- Manage hemodynamic parameters: Administer crystalioid and/or vasopressor or inotrope for goal systolic blood pressure >90 mm Hg or mean arterial pressure >65 mm Hg

Continued Management and Additional Emergent Activities

These evaluations should be done concurrently so that decisions on targeted temperature management (TTM) receive high priority as cardiac interventions.

- Emergent cardiac intervention: Early evaluation of 12-lead electrocardiogram (ECG); consider hemodynamics for decision on cardiac intervention
- TTM: If patient is not following commands, start TTM as soon as possible; begin at 32-36°C for 24 hours by using a cooling device with feedback loop
- Other critical care management
 - Continuously monitor core temperature (esophageal, rectal, bladder)
 - Maintain normoxia, normocapnia, euglycemia
 - Provide continuous or intermittent electroencephalogram (EEG) monitoring
 - Provide lung-protective ventilation

H's and T's

Hypovolemia Hypoxia Hydrogen ion (acidosis) Hypokalemia/hyperkalemia Hypothermia Tension pneumothorax Tamponade, cardiac Toxins Thrombosis, pulmonary

Thrombosis, coronary

Pediatric Cardiac Arrest Algorithm

