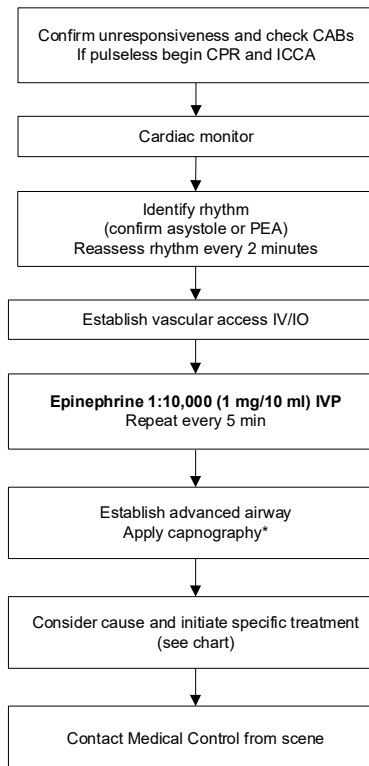




REGION 11 CHICAGO EMS SYSTEM PROTOCOL	Title: Pulseless Electrical Activity / Asystole - ALS
	Section: Cardiovascular
	Approved: EMS Medical Directors Consortium
	Effective: December 1, 2022

PULSELESS ELECTRICAL ACTIVITY / ASYSTOLE - ALS



For patients with ROSC, see [Adult and Pediatric Post-ROSC Care Protocol – ALS](#)

REVERSIBLE CAUSES	SPECIFIC EMS TREATMENT
Hypovolemia.....	Normal saline bolus
Hypoxia.....	Check placement of advanced airway, ensure oxygenation and ventilation
Hydrogen ion (acidosis).....	None
Hyperkalemia.....	Calcium Chloride, 10%, 10 ml (1 gram), IV/IO Sodium Bicarbonate, 8.4%, 50 ml (50 mEq), IV/IO
Hypothermia.....	None
Tension pneumothorax.....	Pleural (needle) decompression
Tamponade, cardiac.....	None
Toxins.....	For suspected opioid overdose, consider Naloxone 2 mg IV/IO For suspected tricyclic antidepressant overdose, consider Sodium Bicarbonate, 8.4%, 50 ml (50 mEq), IV/IO
Thrombosis, pulmonary.....	None
Thrombosis, coronary.....	None

* If ETCO₂ < 10 mmHg, attempt to improve CPR quality