Yolo County Emergency Medical Services Agency

Protocols

Revised Date: June 7, 2023



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Adult	Pediatric
ALS cont.	
<ul> <li>Defibrillate using manufacturer recommended energy dose <ul> <li>Repeat every 2 minutes</li> <li>Increase dose per manufacture recommendation</li> </ul> </li> <li>Epinephrine (1:10,000) 1 mg IV/IO <ul> <li>Repeat every 3 - 5 minutes</li> <li>No Max</li> </ul> </li> <li>Amiodarone 300 mg (first dose) SIVP/IO <ul> <li>Repeat x1 in 3 - 5 minutes with 150 mg</li> <li>Flush with NS 20 mL</li> </ul> </li> </ul>	<ul> <li>Defibrillate at 2 J/kg <ul> <li>Repeat every 2 minutes at 4 J/kg</li> </ul> </li> <li>Epinephrine (1:10,000) 0.01 mg/kg IV/IO <ul> <li>Repeat every 3 - 5 minutes</li> </ul> </li> <li>Amiodarone 5 mg/kg SIVP/IO <ul> <li>Max single dose 300 mg</li> <li>May repeat x 1 in 3 - 5 minutes</li> </ul> </li> </ul>
Asystole Pulseless Electrical Activity (PEA)	
Address reversible causes based on applicable protocols	
<ul> <li>Epinephrine (1:10,000) 1 mg IV/IO</li> <li>Repeat every 3 - 5 minutes</li> <li>No Max</li> </ul>	<ul> <li>Epinephrine (1:10,000) 0.01 mg/kg IV/IO</li> <li>Repeat every 3 - 5 minutes</li> <li>No Max</li> </ul>
AIRWAY CONSIDERATIONS	
<ul> <li>A BLS airway is the preferred method of airway management during cardiac arrest unless advanced airway is indicated.</li> <li>See Airway Management protocol for advanced airway management options</li> </ul>	
CONSIDERATION IN PREGNANCY > 20 WEEKS GESTATION	
<ul> <li>Place patient 25° left lateral on backboard for CPR</li> <li>IV/IO should be above the diaphragm</li> <li>Pregnant patients are more prone to hypoxia so oxygenation and airway management should be prioritized</li> <li>Consider early Advance Airway i-gel<sup>®</sup> or ET Intubation</li> <li>Do not interrupt CPR to perform procedures</li> <li>Prepare for early transport after 4 minutes of CPR</li> </ul>	

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ALS cont.	
Termination of Resuscitation (TOR)	
Consider TOR in the following conditions*, after a minimum of 20 minutes of resuscitation	
<ul> <li>Patient remains pulseless with no signs of cellular metabolism or neurological activity (e.g., unreactive pupils, EtCO2 &lt; 10 mmHG, developing lividity)</li> <li>Persistent asystole, wide complex PEA &lt; 40 BPM, or ventricular fibrillation</li> </ul>	
<u>*Special Considerations</u>	
<ul> <li>Consider transport if patient has persistent narrow complex PEA &gt;100, or persistent V-Tach after 20 minutes of HP-CPR</li> <li>Consider pediatric transport after 2 - 3 rounds of on scene ALS interventions IF the cause of the arrest is suspected to be airway related</li> </ul>	
Direction	
<ul> <li>EMS personnel shall not transport expired patients by ambulance except in the rare occurrence that a patient expires during transport. In these situations, EMS personnel shall continue resuscitative efforts and proceed with transport to the closest receiving facility.</li> <li>If resuscitative efforts are terminated, personnel shall confirm and document the patient's cardiac rhythm in 2 separate ECG Leads and provide printed rhythm strips of at least 15 second duration.</li> <li>Base Hospital Physician consultation should be obtained if EMS personnel have any patient care or scene safety concerns.</li> <li>This policy does not apply to Mass Casualty Incidents.</li> <li>Transmit Code Report via Physic Control Monitor – Required for all cardiac arrests</li> </ul>	