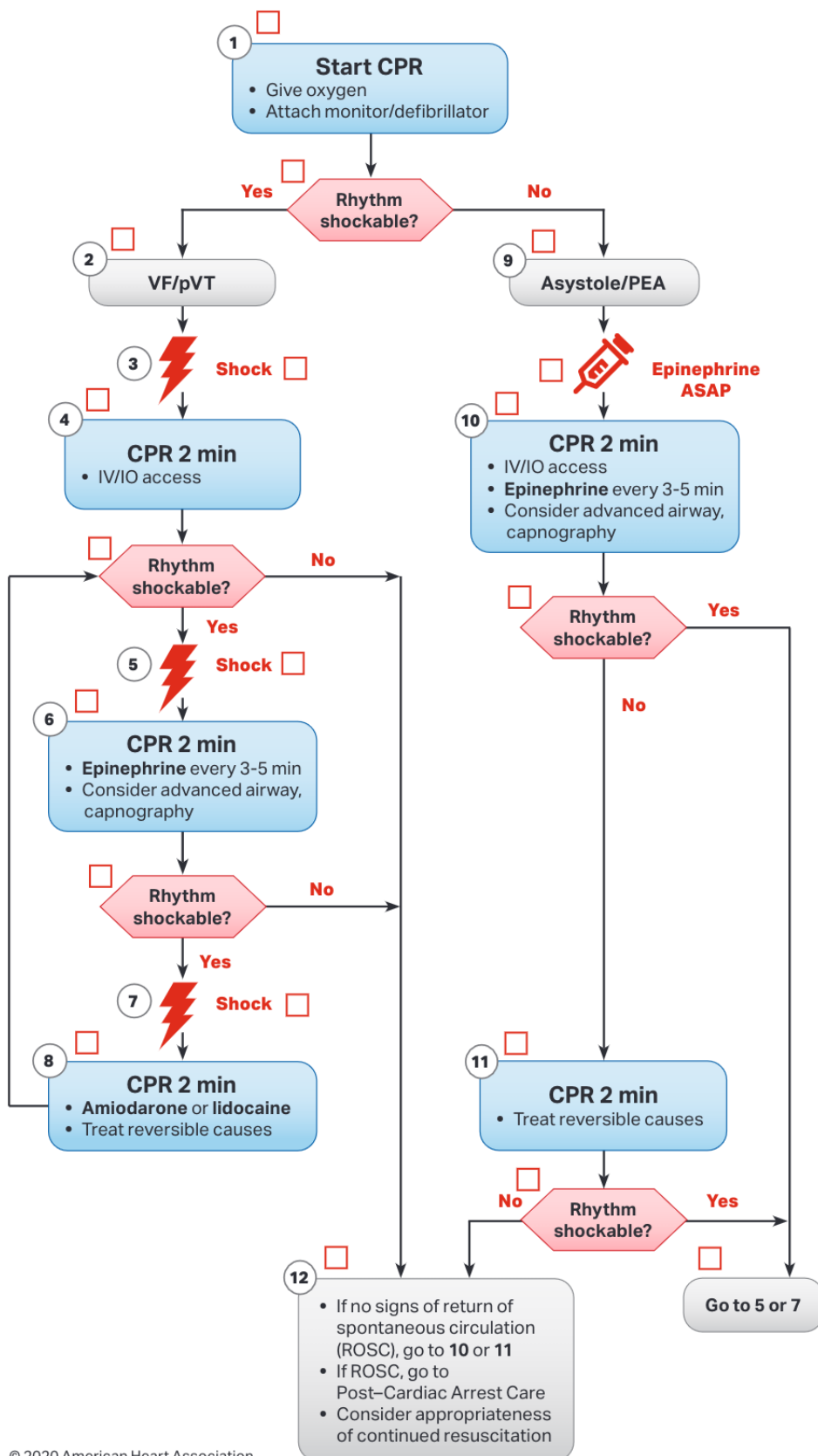


Adult Cardiac Arrest Learning Station Checklist (VF/pVT/Asystole/PEA)

Adult Cardiac Arrest Algorithm (VF/pVT/Asystole/PEA)



CPR Quality	
<input type="checkbox"/>	• Push hard (at least 2 inches [5 cm]) and fast (100-120/min) and allow complete chest recoil.
<input type="checkbox"/>	• Minimize interruptions in compressions.
<input type="checkbox"/>	• Avoid excessive ventilation.
<input type="checkbox"/>	• Change compressor every 2 minutes, or sooner if fatigued.
<input type="checkbox"/>	• If no advanced airway, 30:2 compression-ventilation ratio.
<input type="checkbox"/>	• Quantitative waveform capnography <ul style="list-style-type: none"> – If PETCO₂ is low or decreasing, reassess CPR quality.
Shock Energy for Defibrillation	
<input type="checkbox"/>	• Biphasic: Manufacturer recommendation (eg, initial dose of 120-200 J); if unknown, use maximum available. Second and subsequent doses should be equivalent, and higher doses may be considered.
<input type="checkbox"/>	• Monophasic: 360 J
Drug Therapy	
<input type="checkbox"/>	• Epinephrine IV/IO dose: 1 mg every 3-5 minutes
<input type="checkbox"/>	• Amiodarone IV/IO dose: First dose: 300 mg bolus. Second dose: 150 mg.
<input type="checkbox"/>	or
<input type="checkbox"/>	• Lidocaine IV/IO dose: First dose: 1-1.5 mg/kg. Second dose: 0.5-0.75 mg/kg.
Advanced Airway	
<input type="checkbox"/>	• Endotracheal intubation or supraglottic advanced airway
<input type="checkbox"/>	• Waveform capnography or capnometry to confirm and monitor ET tube placement
<input type="checkbox"/>	• Once advanced airway in place, give 1 breath every 6 seconds (10 breaths/min) with continuous chest compressions
Return of Spontaneous Circulation (ROSC)	
<input type="checkbox"/>	• Pulse and blood pressure
<input type="checkbox"/>	• Abrupt sustained increase in PETCO ₂ (typically ≥40 mm Hg)
<input type="checkbox"/>	• Spontaneous arterial pressure waves with intra-arterial monitoring
Reversible Causes	
<input type="checkbox"/>	• Hypovolemia
<input type="checkbox"/>	• Hypoxia
<input type="checkbox"/>	• Hydrogen ion (acidosis)
<input type="checkbox"/>	• Hypo-/hyperkalemia
<input type="checkbox"/>	• Hypothermia
<input type="checkbox"/>	• Tension pneumothorax
<input type="checkbox"/>	• Tamponade, cardiac
<input type="checkbox"/>	• Toxins
<input type="checkbox"/>	• Thrombosis, pulmonary
<input type="checkbox"/>	• Thrombosis, coronary