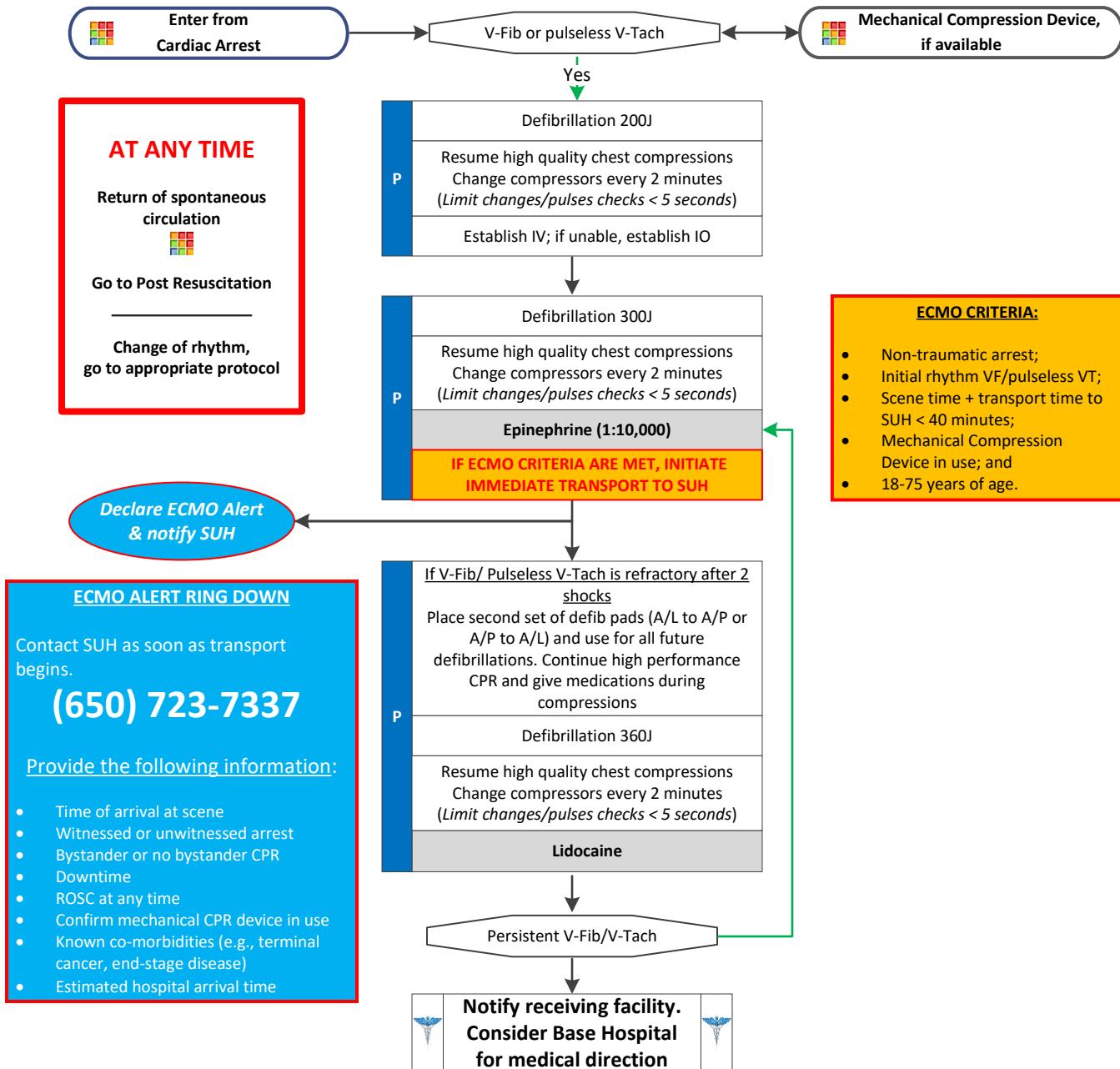


Cardiac Arrest – V-Fib/Pulseless V-Tach

For non-traumatic cardiac arrest in which any resuscitation is initiated, NOT dead on arrival

History	Signs and Symptoms	Differential
<ul style="list-style-type: none"> Events leading to arrest Estimated downtime Prior resuscitation attempts Past medical history Medications Known terminal illness 	<ul style="list-style-type: none"> Pulseless Apneic 	<ul style="list-style-type: none"> Medical vs. trauma VF vs. pulseless VT Aystole PEA Primary cardiac event vs. respiratory arrest or drug overdose



Cardiac Arrest - V-Fib/Pulseless V-Tach

For non-traumatic cardiac arrest in which any resuscitation is initiated, NOT dead on arrival

Pearls

- For defibrillation or cardioversion, follow manufacturer recommendations.
- Efforts should be directed at high quality and continuous chest compressions with minimal interruptions.
- If cardiac arrest occurs during transport and 12-Lead ECG indicated STEMI, divert to the nearest approved STEMI Receiving Center. Otherwise, transport to the closest receiving facility.
- IV access, including EJ, must be attempted. If unsuccessful, then attempt IO.
- Use pediatric BVM with EtCO₂ and ventilate at a rate of 10 ventilation per minute delivered on compression upstroke.
- Placement of an advanced airway should be deferred unless a provider is unable to ventilate the patient with a BLS airway and BVM.
- Use a metronome during chest compression to ensure proper rate.
- If not an ECMO candidate, provide resuscitative efforts on scene for 30 minutes to maximize chance of ROSC.
- If not an ECMO candidate and resuscitative efforts do not attain ROSC, consider cessation of efforts per Policy 507 – Determination of Death.
- Epinephrine in doses of greater than 3 mg has been shown to be detrimental to patient outcome.
- Do not interrupt chest compressions to place ETT.
- Consider breathing and airway management after second shock or two (2) rounds of chest compression (2 minutes each round).
- Effective chest compressions and prompt defibrillation are the keys to successful resuscitation.
- Reassess and document ETT placement and EtCO₂ frequently, after every move, and at transfer of care.
- Do not stop chest compressions to check for placement of ETT or to give medications.
- If the use of a BVM is ventilating the patient successfully, intubation should be deferred.
- In the setting of renal failure, dialysis, suspected DKA or hyperkalemia, calcium chloride followed by sodium bicarbonate shall be administered.

