



1. The First Four Actions: -Chest Compressions
-Pads on Patient
-Airway Management - BVM
-1mg Epinephrine (IO as needed)

2. Treatment during Arrest:

Vtach/Vfib:
Defibrillation and amiodarone (300mg)
Magnesium for torsades
Consider Ca/glucose/sodium bicarb

Everyone: Epi (1mg Q3min)

Asystole/PEA:
Consider Ca/glucose/sodium bicarb

tPA: PE (maybe MI)

3. Treatable Causes: - Airway/Breathing: Hypoxia; PTx
- Circulation: Hypovolemia, MI, Tamponade, PE
- Drugs/Metabolic: Hyperkalemia, Acidosis, Hypoglycemia, Hypo/Hyperthermia, AV nodal blockers or Na Channel blockers

4. ROSC Management: - Airway/Breathing: intubate, avoid hypoxia and hypercapnia
- Circulation: norepinephrine and fluids, central and arterial line
- Neuro: Targeted Normothermia/Hypothermia

5. EKG = Disposition -STEMI = Cath Lab
-non-STEMI = Discuss with Cardiology, 20-30% will still have culprit vessel lesion

Narrow vs Wide QRS:

- Narrow: structural
-use US to diagnose, give fluids
 - PE
 - Tamponade
 - Ptx
 - Hypovolemia
 - MI
- Wide: tox/metabolic
-give CaCl, glucose, bicarb pukes
 - Hyperkalemia
 - Na channel blockers
 - Acidosis

Poor Prognostic Factors in Cardiac Arrest:

- unwitnessed arrest
- no bystander CPR
- age > 85
- asystole/PEA >30 min until ROSC
- Lactate > 7
- pH < 7.2
- ESRD