AHA ACLS Post-Cardiac Arrest Care Algorithm

Return of Spontaneous Circulation (ROSC)

★ Optimize ventilation and oxygenation
- Maintain saturation ≥ 94%
- Advanced airway and waveform capnography
- Avoid hyperventilation

★ Treat hypotension
- Maintain SBP > 90 mmHg
- IV/IO bolus and vasopressors
- Find and treat all reversible causes (H&T’s)

Coronary reperfusion

12-Lead ECG: STEMI or Suspected AMI

Follows Commands

Start targeted temperature management

Advanced Critical Care Interventions

★ Ventilation/Oxygenation:
- Avoid excessive ventilation
- Start at 10 breaths/min and;
- Titrate to PETCO2 35-45 mmHG
- Maintain Oxygen Sat. ≥ 94%

★ IV Bolus and IV Meds:
- NS or LR 1-2 liters (as needed)
- Epinephrine infusion: 0.1-0.5 mcg/kg/min
- Dopamine infusion: 5-10 mcg/kg/min
- Norepinephrine infusion: 0.1-0.5 mcg/kg/min

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