Pediatric - Pulseless Electrical Activity (PEA)/Asystole

ABCDE Assessment

BLS

Begin assisted ventilation and compressions

Attach AED (age > 1 year unless Pediatric-approved AED is available)

If no shock indicated and no pulse, continue CPR for 2 minutes. (5 cycles of 30 compressions to 2 ventilations for single rescuer or 15 compressions to 2 ventilations for 2 rescuers) Reassess with AED and continue cycle. Repeat cycle.

Check Blood Glucose

ALS

Follow BLS Standards

BVM Ventilation with high flow 10-15 L O2

Consider:
Endotracheal intubation
Establish IV/IO of NS
20 mL/kg bolus over 10-20 mins
Treat glucose if < 40 mg/dl

Epinephrine:
IV/IO 0.01 mg/kg (0.1mL/kg) (1:10,000)
ETT 0.1 mg/kg (0.1mL/kg) (1:1000)

Consider possible causes and treat:
Severe hypoxemia, hypovolemia, hypothermia, hyperkalemia, severe acidosis, tension pneumothorax, cardiac tamponade, overdose

Change in rhythm

Yes → If pulses present continue supportive care or proceed to appropriate dysrhythmia treatment guideline

No → Continue CPR