

# CPR Algorithm

**Unresponsive, apneic patient**

**CPR (1 cycle = 2 minutes)**  
**Compressions:** 100-120/min, lateral, 1/3-1/2 chest width  
**Ventilate:** 10/min,  $V_T = 10\text{ml/kg}$ , I-Time = 1sec  
**Initiate Monitoring:** ECG and  $\text{ETCO}_2$

**Evaluate Patient  
Check ECG**

**ROSC**

**Post-CPA  
Algorithm**

**Vfib**

**Asystole / PEA**

- Continue **CPR** while charging defibrillator
- Give **1 shock**
- **Resume CPR immediately** for 1 cycle

- **Resume CPR immediately** for 1 cycle
- **Low dose epinephrine** or **vasopressin** q 3-5 mins
- Consider **atropine** if ↑ vagal tone

**Evaluate Patient  
Check ECG**

**ROSC**

**Post-CPA  
Algorithm**

**Vfib**

**Asystole / PEA**

- Continue **CPR** while charging defibrillator
- Give **1 shock**
- **Resume CPR immediately** for 1 cycle
- Give **epinephrine** or **vasopressin** q 3-5 mins
- Consider **amiodarone** or **lidocaine** if refractory

- **Resume CPR immediately** for 1 cycle
- **Low dose epinephrine** or **vasopressin** q 3-5 mins
- Consider **high dose epinephrine** after 10 mins
- Consider **atropine**