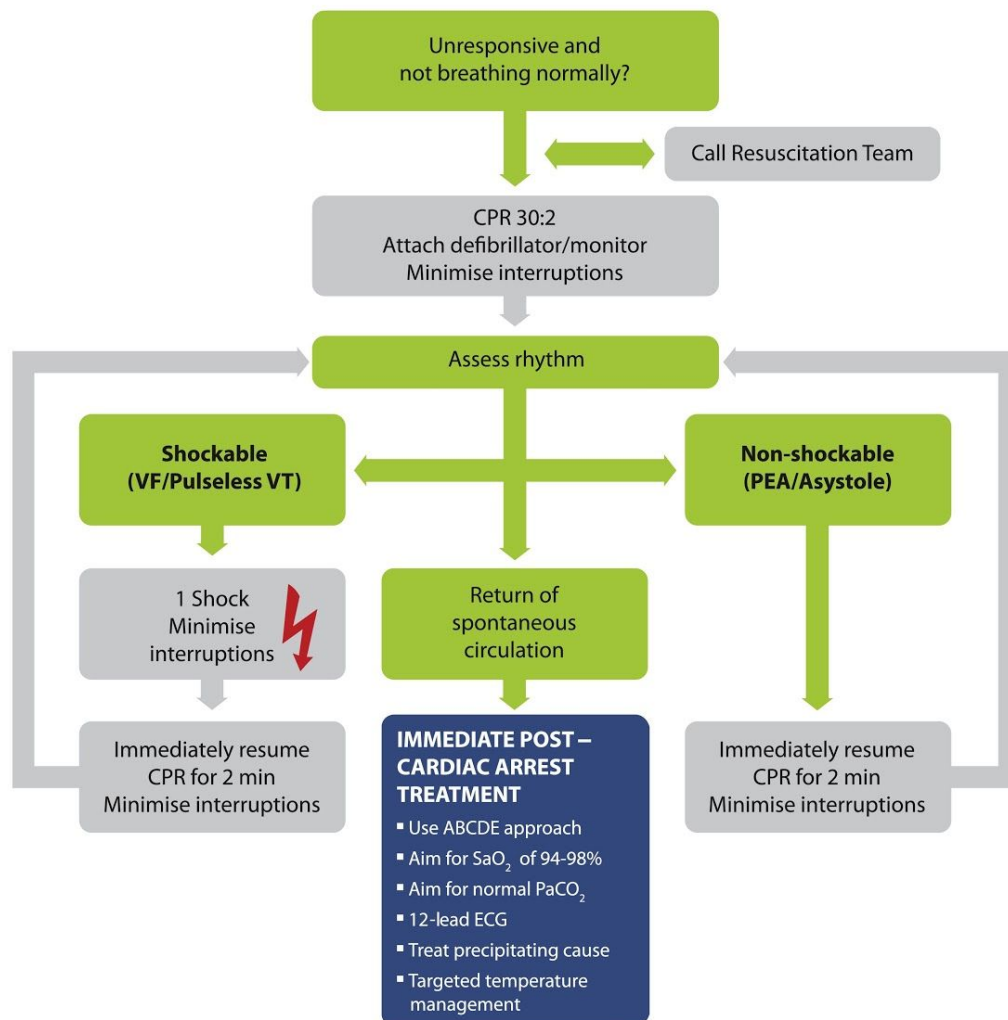


Advanced Life Support



DURING CPR

- Ensure high quality chest compressions
- Minimise interruptions to compressions
- Give oxygen
- Use waveform capnography
- Continuous compressions when advanced airway in place
- Vascular access (intravenous or intraosseous)
- Give adrenaline every 3-5 min
- Give amiodarone after 3 shocks

TREAT REVERSIBLE CAUSES

- | | |
|-------------------------------|------------------------------------|
| Hypoxia | Thrombosis – coronary or pulmonary |
| Hypovolaemia | Tension pneumothorax |
| Hypo-/hyperkalaemia/metabolic | Tamponade – cardiac |
| Hypothermia/hyperthermia | Toxins |

CONSIDER

- Ultrasound imaging
- Mechanical chest compressions to facilitate transfer/treatment
- Coronary angiography and percutaneous coronary intervention
- Extracorporeal CPR

Advanced life support algorithm (CPR-cardiopulmonary resuscitation; VF/Pulseless VT-ventricular fibrillation/pulseless ventricular tachycardia; PEA-pulseless electrical activity; ABCDE-Airway, Breathing Circulation, Disability, Exposure; SaO₂-oxygen saturation; PaCO₂-partial pressure carbon dioxide in arterial blood; ECG-electrocardiogram)

Soar J, Nolan JP, Bottiger BW, et al. European Resuscitation Council guidelines for resuscitation 2015. Section 3. Adult advanced life support. *Resuscitation* 2015;(95):100-47; used with permission