Paediatric Life Support

Advanced Life Support

Unresponsive?
Not breathing or only occasional gasps

CPR (5 initial breaths then 15:2)
Attach defibrillator/monitor
Minimise interruptions

Call Resuscitation Team
(1 min CPR first, if alone)

Assess rhythm

Shockable
(VF/Pulseless VT)

1 Shock 4 J/Kg

 Immediately resume: CPR for 2 min
Minimise interruptions

Non-shockable
(PEA/Asystole)

Return of spontaneous circulation

Immediate Post Cardiac Arrest Treatment
• Use ABCDE approach
• Controlled oxygenation and ventilation
• Investigations
• Treat precipitating cause
• Temperature control
• Therapeutic hypothermia?

Immediately resume: CPR for 2 min
Minimise interruptions

During CPR
• Ensure high-quality CPR: rate, depth, recoil
• Plan actions before interrupting CPR
• Give oxygen
• Vascular access (intravenous, intraosseous)
• Give adrenaline every 3-5 min
• Consider advanced airway and capnography
• Continuous chest compressions when advanced airway in place
• Correct reversible causes

Reversible Causes
• Hypoxia
• Hypovolaemia
• Hypo-/hyperkalaemia/metabolic
• Hypothermia
• Tension pneumothorax
• Toxins
• Tamponade - cardiac
• Thromboembolism