Advanced Life Support for Infants and Children

Start CPR
2 breaths : 15 Compressions
Minimise Interruptions

Attach
Defibrillator / Monitor

Assess Rhythm

Shockable
Shock (4 J/kg)
CPR for 2 minutes

Non Shockable

Return of Spontaneous Circulation?

CPR for 2 minutes

Post Resuscitation Care

During CPR
Airway adjuncts (LMA / ETT)
Oxygen
Waveform capnography
IV / IO access
Plan actions before interrupting compressions
(e.g. charge manual defibrillator to 4 J/kg)

Drugs
Shockable
* Adrenaline 10 mcg/kg after 2nd shock
  (then every 2nd loop)
* Amiodarone 5mg/kg after 3 shocks
Non Shockable
* Adrenaline 10 mcg/kg immediately
  (then every 2nd loop)

Consider and Correct
Hypoxia
Hypovolaemia
Hyper / hypokalaemia / metabolic disorders
Hypothermia / hyperthermia
Tension pneumothorax
Tamponade
Toxins
Thrombosis (pulmonary / coronary)

Post Resuscitation Care
Re-evaluate ABCDE
12 lead ECG
Treat precipitating causes
Re-evaluate oxygenation and ventilation
Targeted Temperature Management

January 2016