

CPR – Pit Crew

Clinical Indications:

- Patient in cardiac arrest

Contraindications:

- < 1 year or patient size prohibits access

Notes/Precautions:

- Focus is on:
 - Minimally interrupted compressions
 - Appropriate depth and quality of compressions
 - Consider compressor fatigue and change compressors as needed
 - Team approach
- Infants and small children may require modification of the procedure due to size
- This procedure is based on a 3-person crew of providers (if a 4th person is available, they should assist with setting up King Airway and rotate into a Compressor position)
- If LUCAS device is available, Position 1 becomes the operator of LUCAS
- If there is only a 2-person crew, go to CPR Procedure

Procedure:

1. First arriving providers:
2. Establish prior to arriving at patient's side, the following responsibilities:
 - **Position 1** (patient's right side)
 - assesses responsiveness/pulses
 - initiates chest compressions immediately if needed
 - checks & pre-assembles BIAD (ventilates BVM when not performing compressions)
 - alternates chest compressions
 - ventilates BVM when not performing chest compressions
 - assembles, applies & operates LUCAS
 - **Position 2** (patient's left side)
 - applies AED pads immediately
 - operates AED after each 2 minute cycle of compressions
 - alternates chest compressions with Position 1
 - ventilates BVM when not performing chest compressions
 - may assist with BIAD
 - **Position 3** (patient's head)
 - assembles and appropriately applies all equipment for airway and ventilations (OPA, BVM, ITD, Suction, O2, BIAD, BIAD securing device, ET/CO2)
 - opens/clears airway
 - inserts OPA
 - assembles and applies BVM & ITD
 - turns on timing light on ITD
 - maintains two-hand BVM mask seal
 - inserts & secures BIAD at appropriate time (after 400 chest compressions during 2nd AED rhythm analysis or when able)
 - **Position 4** (if available)
 - rotates and assists wherever needed
 - may function as a "team leader"

Legend		
S	System Responders	S
B	EMT - B	B
I	EMT- I	I
P	EMT- P	P

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3. ALS Integration:
4. Establish prior to arriving at patient's side, the following responsibilities:
 - **Code Commander** (Paramedic in control of monitor)
 - communicates/interfaces with providers performing CPR
 - sets up & operates monitor/defibrillator
 - makes all patient treatment decisions
 - **Intervention Paramedic** (positioned at feet when possible)
 - initiates IV/IO access
 - administers medications at the direction of the code commander
 - anticipates needs of code commander

Below is graphical representation of the Pit Crew CPR Procedure:

CPR Procedure

