

## 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 4<sup>th</sup> 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 2<sup>nd</sup> 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

