In victims of cardiac arrest, automatic CPR devices deliver improved blood flow without interruptions of fatigue and provides caregivers better access to the patient resulting in the possibility of improved survival.

Indications

For use with patients in non-traumatic cardiac arrest who are 18 years of age or older

Precautions

1. Be sure the patient is without a pulse.
2. DO NOT DELAY CPR!!! Begin CPR manually, then deploy the device when it can be done efficiently and with minimal disruption of compressions.

Technique

1. After ascertaining that the patient is unresponsive and pulseless, begin CPR, attach monitor/defibrillator and establish and IV.
2. After 2 minutes of manual compressions, or as soon as reasonable after that, employ the AutoPulse.
   a. Place the patient in a seated, upright position
   b. Cut clothing down the back and remove from the front.
   c. Place the AutoPulse behind the patient's back while still in a seated, upright position.
   d. Lay the patient down on the AutoPulse, making sure the patient is positioned correctly with at the line on the board just above the patient's armpits. (Alternately, the patient may be log rolled onto the board).
   e. Turn the AutoPulse on (switch at top middle of the board, above the patient's head).
   f. Connect the chest/Life Band across the chest of the patient
   g. Lift the band straight up to ensure it is free of twists.
   h. With no one touching the band, push the GREEN button once to start sizing.
   i. Push the GREEN button a second time to start compression cycle.
   j. Stabilize the patient's head and continue ventilating at 30:2 or every 6 seconds if an advanced airway is in place.

Automatic CPR Device (Autopulse)

   k. With ROSC or to check for a pulse, press the ORANGE button to pause compressions
   l. Continue with the AutoPulse until the code is called, ROSC, or the patient is transferred to the ER.

Notes:

1. If disruption or malfunction in the AutoPulse occurs, REVERT BACK TO MANUAL CPR.
2. The compression strap and battery should be replaced after each use of the AutoPulse and the board cleaned and disinfected.
3. A Zoll AutoPulse Evaluation form shall be completed after each use.

La Plata County EMS Protocols Version 2010.1.0