



ORANGE COUNTY EMERGENCY MEDICAL SERVICES
BASIC LIFE SUPPORT PROCEDURES
AUTOMATIC CHEST COMPRESSION DEVICE,
PLUNGER DESIGN

#: B-040b
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Orig. Date: 10/01/2018
Revised: 09/11/2019

INDICATION:

- Pulseless cardiopulmonary arrest Adolescent/Adult to provide continuous chest compression.

CONTRAINDICATIONS:

- Chest circumference below or beyond the fit range of the device chest circumference band.
- Recent chest surgery or a chest tube in place.
- Left ventricular assist device in place.

PROCEDURE:

- Remove clothing from thorax area.
- Apply defibrillation-monitor pads to chest in usual location and manner. If device is pass through defibrillator capable, follow manufacturer instructions for specific device.
- Place device next to patient and activate, assuring device powers up and is ready to place on patient.
- Supine position technique:
 - Supporting head and neck, slide back plate under patient's back.
 - Roll patient from side to side to properly position back plate.
 - While one rescuer resumes manual chest compressions, have second rescuer open and prepare plunger upper part and attach to back plate nearest rescuer preparing plunger.
 - Stopping manual chest compression, attach second part of plunger part to back plate.
 - Assure device is assembled correctly and plunger clicked in locks to back plate.
 - The plunger compression point should be same as for manual chest compression.
 - Using a finger to assess, assure lower edge of plunger is immediately above the end of the sternum.
 - Adjust plunger so that it contacts the patient's chest without compressing the chest.
 - Activate compressor and assess for positioning and proper functioning.
 - Apply stabilizing strap if supplied with device.
 - When lifting patient to place on gurney, temporarily pause device and reactivate when positioned on gurney (assure plunger is still in proper position).

DOCUMENTATION:

- Document time device placed.
- Check "AutoPulse®" box on PCR.

Approved:

Carol Schultz, M.D.

Review Date: 09/2019
Final Date for Implementation: 10/01/2019
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