
	STANDARD OPERATING GUIDELINE				
	EQUIPMENT				
	Automatic CPR Machine				
	Effective: Jan 30, 2020	Revised: 01/Nov/2020	S.O.G. #: E-222	Page: 1 of 2	

1.0 Objective

- 1.1 The purpose of this guideline is to establish the proper operating procedures for providing uninterrupted chest compressions in adult patients that have experienced a cardiac arrest. It is also intended to provide personnel a higher degree of safety during transport by not performing CPR in a moving vehicle.

2.0 Responsibility

- 2.1 It is the responsibility of all Department personnel to understand the procedures documented in this Standard Operating Guideline.

3.0 Contraindications

- 3.1 Patients who do not fit within the ROSC-U unit
- 3.2 Not an adult patient
- 3.3 Traumatic Injuries to the chest
- 3.4 Any situation where the unit cannot be positioned safely or correctly on the patient's chest

4.0 Operating Instructions

- 4.1.1 After confirming that the adult patient is pulseless and not breathing, the cardiac arrest shall be managed in accordance with Region X SOPs and manual CPR should begin immediately.
- 4.1.2 Defibrillation pads must be positioned so that the pads and cables are not under the compression piston.
- 4.1.3 While manual CPR is in progress, another member shall prepare the unit by opening the case, unpack the compressor and torso restraint and stabilizer. The battery control unit should remain in the case.
- 4.1.4 Securely attach the compressor to the battery control unit via the umbilical power cord.
- 4.1.5 Ensure main power switch on battery control unit is in the ON position.
- 4.1.6 Roll patient on his/her side and slip Torso Restraint under patient's back.
- 4.1.7 Position center of Compressor along an imaginary line connecting the nipples approximately 3-4 cm/1.2-1.6 in (1-2 fingers) from bottom of sternum notch.
- 4.1.8 Wrap Torso Restraint around patient and secure Compressor to patient's body by firmly pulling fabric ends of Torso Restraint fully out (creating tension) then down onto patient's chest.
- 4.1.9 Verify that ROSC -U Miniature Chest Compressor is properly positioned and secured on the patient.
- 4.1.10 Turn the power ON using the Main Green Power Rocker Switch (it will illuminate).
- 4.1.11 Start compressions by pushing the Red Power Button (Figure 13).
- 4.1.12 If desired, adjust piston depth beyond default depth using the Yellow Piston Depth Set Button.
- 4.1.13 Pause/Restart compressions by pushing the Green Run/Pause Button.

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5.0 Maintenance and Storage

- 5.1 Batteries and components (Straps of various sizing, carrying case, and cables) will be checked daily and battery replaced as necessary.
- 5.2 The unit will be turned on weekly to ensure it is operational. The unit shall be plugged in to ensure proper charging.
- 5.3 The unit shall be cleaned after each use with a soft dampened cloth and soapy water and then dried.
- 5.4 The straps are disposable and will be replaced after use.
- 5.5 The machine will be stored in the provided carrying case.
- 5.6 The RMCC Quality Assurance form will be filled out and forwarded to the Medical Officer.

6.0 Reference

- 6.1 Highland Park Fire Department
- 6.2 ROSC_U Manual
- 6.3 Region 10 Protocol
- 6.4 RMCC Quality Assurance Form

Approved:  Fire Chief