



Standards Procedure (Skill) Cardiac Section

Cardiac: Mechanical CPR - LUCAS

Agency Name: _____
 Provider Name: _____ EMT EMR AEMT Paramedic
 Instructor Name: _____ EMT AEMT Paramedic Physician

SATISFACTORY ☐

UNSATISFACTORY ☐

Instructor:

1. Evaluate providers skill performance using the check off list below.

2. Circle performance indicator.

YES = Provider completed skill with no assistance from instructor.

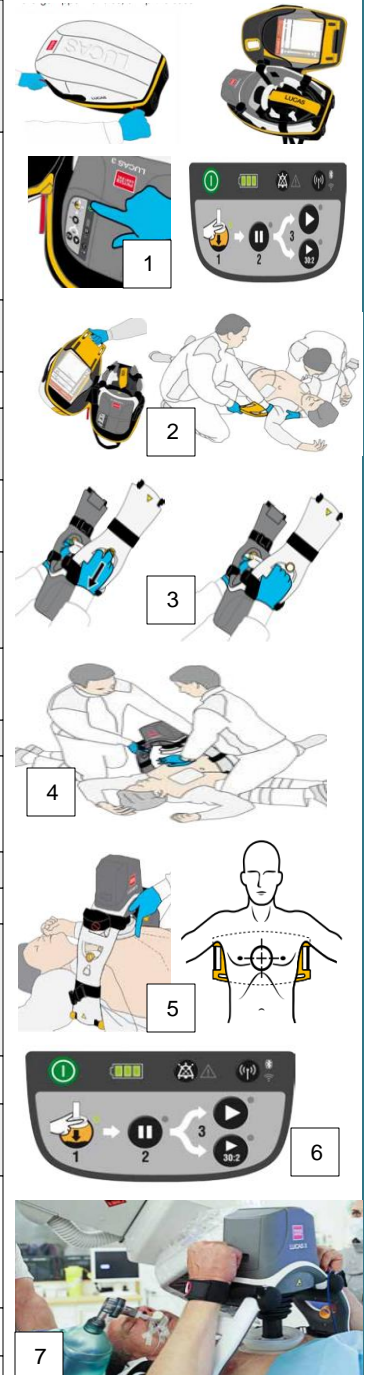
NO = Provider unable to complete skill satisfactorily following instructor intervention.

IL = Provider able to complete skill satisfactorily following Instructor Led (teaching) intervention.

Satisfactory performance indicated with ≥ 12 YES / IL completions. (Combination of both YES and IL)

	EMR	
B	EMT	B
A	AEMT	A
P	Paramedic	P

YES NO IL	Verbalizes at least 3 indications for use of LUCAS device: 1. Cardiac arrest in adult patients 2. Augment manual compressions and use during transport if indicated 3. Chest width to 18 inches and sternum height to 12 inches	
YES NO IL	Verbalizes at least 2 contraindications for LUCAS device: 1. Too small: 3 fast alerts when lowering suction arm or cannot use Pause or Active modes. 2. Too large: Cannot lock Upper Part of LUCAS device to Back Plate without compressing the chest.	
YES NO IL	Ensures manual compressions, open case, and press ON/OFF to activate	1
YES NO IL	Ensures Team-Focused CPR is ongoing Remove Back Plate and place under patient below armpits at 200 th compression cycle change then immediately restart CPR	2
YES NO IL	Use handles on Support Legs to remove from case. Pull Release Rings once to ensure Claw Locks are open then let go of Release Rings.	3
YES NO IL	Attach Support Leg to Back Plate nearest you, tilting device toward you, allowing manual compressions to continue uninterrupted and wait until next 200 compressor change cycle.	4
YES NO IL	At compression 180 begin to thread the other Support Leg to the opposite Back Plate and lock into place.	4
YES NO IL	Pull up on Support Legs to ensure they are locked to Back Plate	
YES NO IL	During pause at the 200 compression cycle change, quickly position lower edge of Suction Cup immediately above the end of sternum and not over xiphoid process using your finger to mark correction location.	5
YES NO IL	Move device quickly to adjust using the Support Legs as needed	
YES NO IL	Identifies function of buttons on Control Panel	
YES NO IL	Place LUCAS in ADJUST(1) mode and adjust height of Suction Cup to set Start Position Push Suction Cup with 2 fingers until Pressure Pad TOUCHES chest Press PAUSE (2) to lock the start position	6
YES NO IL	Press ACTIVE (3) in CONTINUOUS (top) mode to start compressions	6
YES NO IL	Green LED light blinks every 10 seconds. Ventilate patient every 10 seconds at flash of Green LED light.	
YES NO IL	LUCAS will BEEP every 2 minutes. Charge Defibrillator/Monitor at BEEP and when fully charged press PAUSE (2) to stop compressions and assess rhythm. Then press ACTIVE (3) in CONTINUOUS (top) mode to restart compressions.	6
YES NO IL	Secure patient arms to Support Leg straps	7
YES NO IL	End: Turn LUCAS off and press TRANSMIT	



Instructor notes: