

Suggestions for performance evaluation

with the **LUCAS® 3** Chest Compression System

Name: _____ Unit: _____

Reviewer: _____ Date: _____

This Performance Evaluation is a suggested basic assessment of a trainee’s ability to operate the LUCAS 3 chest compression system. This is a limited evaluation and does not cover all the information and skills required to operate this device safely. It is designed to be completed after viewing the appropriate inservice video or observing an equipment demonstration given by a qualified instructor. Refer to the LUCAS 3 device Instructions for Use for complete information.

Performance criteria	Complete	Incomplete	Comments
1. Opens case; presses ON/OFF for 1 second to start self-test and power up the LUCAS 3 device.			
2. Removes back plate from the case.			
3. Verbalizes “stop manual CPR” to other rescuer (instructor may “act” as other rescuer).			
4. Places back plate under patient, immediately below the patient’s armpits.			
5. Verbalizes “resume manual CPR” to other rescuer.			
6. Lifts upper part of the LUCAS 3 device from case and pulls once on the release rings to check that the claw locks are open, then lets go of rings.			
Instructor is prepared and starts timer when manual compressions stop.			
7. Connects the upper part to the back plate, starting on the side closest to user. Listens for click.			
8. Pulls up once to ensure attachment.			
9. Positions the suction cup immediately above the end of the sternum in the center of the chest. Adjusts if necessary.			
10. Pushes the suction cup down using two fingers with the LUCAS 3 device in the ADJUST mode until the pressure pad inside suction cup touches the patient’s chest without compressing the chest.			
11. Pushes PAUSE to lock start position.			
12. Presses ACTIVE (30:2) or (continuous). Instructor stops timer: _____ seconds (goal: ≤ 20 seconds).			
13. Fully extends the stabilization strap at the buckles.			
14. Places support cushion under patient’s neck.			
15. Connects buckles on support cushion straps to device straps.			
16. Tightens support cushion straps firmly.			
17. Visually checks for proper position of suction cup, adjusting if needed.			

General Performance Guidelines

Consider the following issues when determining competency:

- Was application and operation performed in a safe manner?
- Were compressions started within 20 seconds from the time manual compressions were stopped to connect the upper part of the LUCAS device?
- Able to verbalize contraindications and side effects?

Suggested Advanced Performance Scenarios

- Change battery during patient use

Optional Activities

- Apply defibrillation pads-performs defibrillation
- Perform ventilations with bag-valve-mask
- Perform ventilations with advanced airway

Evaluation and action plan

Refer to operating instructions for complete directions for use indications, contraindications, warnings, cautions, and potential adverse events.

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