

LUCAS[®] 2 CHEST COMPRESSION SYSTEM

Training Test

Date: _____

Name: _____

Title: _____

Agency: _____

Instructions: Circle the correct responses and return to the instructor once you've completed the test.

1. Which one of the following is NOT a contraindication for LUCAS use?
 - a. A patient that is too small for the LUCAS device
 - b. A patient with a closed head injury
 - c. If it's not possible to position LUCAS safely or correctly on the patient's chest
 - d. A patient that is too large for the LUCAS device

2. When the Battery indicator shows an intermittent orange LED, the approximate operating time left is:
 - a. 15 minutes
 - b. 10 minutes
 - c. 30 minutes
 - d. 5 minutes

3. After arriving at the scene of a patient in cardiac arrest and opening the LUCAS bag, the next step should be:
 - a. Remove the back plate
 - b. Check for a spare battery
 - c. Push ON/OFF
 - d. Pull out the instructions for use

4. All of the following are risks of incorrect pressure pad position EXCEPT:
 - a. Damage to the rib cage
 - b. Impairment of blood circulation
 - c. Kidney failure
 - d. Damage to internal organs

5. What should you do if the patient is too small for LUCAS?
 - a. Put something, such as a blanket, between the patient and the back plate.
 - b. Remove LUCAS and provide manual chest compressions instead.
 - c. Continue to use LUCAS despite the suction cup not being in contact with the chest.
 - d. Put something, such as a blanket, between the patient and the pressure pad of the suction cup.

6. All of the following are examples of when to use the PAUSE button EXCEPT:
 - a. During a short break in compressions; for example, during ECG analysis
 - b. To change the battery during use
 - c. To mute the alarm
 - d. When moving a patient down stairs if LUCAS doesn't stay in the correct position and angle on the patient's chest

7. How should LUCAS be positioned on the chest?
 - a. The lower edge of the pressure pad inside the suction cup should be positioned immediately above the end of the sternum.
 - b. The lower edge of the suction cup should be positioned immediately above the end of the sternum.
 - c. The lower edge of the suction cup should be positioned at a distance of two fingers from the lower end of the sternum
 - d. The lower edge of the suction cup should be positioned at the nipple line of the patient.
8. How should the suction cup be lowered to the patient's chest during adjustment?
 - a. Use both hands and push as hard as you can until the pressure pad compresses the chest.
 - b. Use one hand (two fingers) and push down firmly until the pressure pad touches the chest without compressing the chest.
 - c. Use both hands to lower as far as the pressure pad will go
 - d. Use one hand (two fingers) and push down making sure to leave a 2 inch space above the chest
9. All of the statements are true regarding the battery in the LUCAS, EXCEPT:
 - a. Press the PAUSE button before removing the battery while compressions are ongoing
 - b. LUCAS will remember the current settings and start position for 60 seconds after the battery is removed
 - c. You must power off the LUCAS device before removing the battery
 - d. The battery will last for approximately 45 minutes with a full charge
10. All of the following steps are done when moving a patient on LUCAS, EXCEPT
 - a. Reassess placement of the suction cup frequently
 - b. Lift the patient using the wrist straps (patient straps)
 - c. Attach the stabilization strap
 - d. Secure the patient's wrists in the patient straps

True or False:

Bruising and soreness of the chest are common during the use of the LUCAS system.	<input type="checkbox"/> True	<input type="checkbox"/> False
A battery does not have to be inserted into LUCAS when it's running on AC power.	<input type="checkbox"/> True	<input type="checkbox"/> False
Always check to make sure the position of the Suction Cup is correct after defibrillation.	<input type="checkbox"/> True	<input type="checkbox"/> False
If the Battery change takes more than 60 seconds, LUCAS does a self-test and you must adjust the start position again.	<input type="checkbox"/> True	<input type="checkbox"/> False
A fully charged spare LUCAS battery should always be in the carrying bag.	<input type="checkbox"/> True	<input type="checkbox"/> False
It's ok for the defibrillator electrodes and wires to be under the Suction Cup.	<input type="checkbox"/> True	<input type="checkbox"/> False
LUCAS is intended for performing external cardiac compressions on adult patients in cardiac arrest.	<input type="checkbox"/> True	<input type="checkbox"/> False
The use of LUCAS is restricted by patient weight.	<input type="checkbox"/> True	<input type="checkbox"/> False
An intermittent LED and alarm signal alerts the rescuer before each ventilation pause.	<input type="checkbox"/> True	<input type="checkbox"/> False
LUCAS should be used on every patient in cardiac arrest regardless of whether manual chest compressions would be performed.	<input type="checkbox"/> True	<input type="checkbox"/> False