

# Suggestions for performance evaluation

early defibrillation with the **LIFEPAK® 20/20e** Defibrillator/Monitor

## Automated external defibrillation

Name: \_\_\_\_\_ Unit: \_\_\_\_\_

Reviewer: \_\_\_\_\_ Date: \_\_\_\_\_

**This Performance Evaluation is a suggested assessment of one’s ability to operate the LIFEPAK 20/20e defibrillator/monitor in automated external defibrillation (AED) mode. This evaluation does not cover all the information and skills required to operate this device safely and effectively.** It is designed to be completed after viewing the appropriate inservice video or observing an equipment demonstration given by a qualified instructor. The voice and on screen messages are the factory default settings and are consistent with 2010 American Heart Association (AHA) and European Resuscitation Council (ERC) guidelines. For complete information, review the Operating Instructions. References to buttons are indicated in **bold** and screen display messages are indicated in *italics*. A patient simulator is required.

Performance criteria	Complete	Incomplete	Comments
1. Verify patient is in cardiopulmonary arrest; unresponsive, not breathing normally and no signs of circulation.			
2. Presses <b>ON</b> .			
3. Prepares patient: <ul style="list-style-type: none"> <li>Bares patient’s chest</li> <li>Shaves excessive chest hair</li> <li>Wipes chest clean and dry</li> <li>Disconnects any equipment that may pose a hazard or become damaged</li> </ul>			
4. Connect the therapy electrodes to the therapy cable and confirm cable connection to the defibrillator.			
5. Using therapy electrodes: <ul style="list-style-type: none"> <li>Peel back protective liner</li> <li>Apply anterior electrode according to diagram, below patient’s right clavicle, lateral to the sternum smoothing the electrode from one end to the other removing all air</li> <li>Apply lateral electrode with ♥ symbol, lateral to patient’s left nipple with the center of the electrode on the left midaxillary line smoothing the electrode from one end to the other removing all air</li> <li>Avoid dressings, ECG electrodes, and wounds</li> </ul>			
6. Stops all motion including CPR, clears everyone from patient, then presses <b>ANALYZE</b>			
7. Responds to voice prompts and screen messages <i>ANALYZING NOW, STAND CLEAR</i> by not touching patient, bed or defibrillation cable.			
8. <i>SHOCK ADVISED</i> : <ul style="list-style-type: none"> <li>States “ALL CLEAR” and observes that all personnel are clear of patient and immediate area</li> <li>Presses <b>SHOCK</b> to discharge AED</li> <li>Delivers first shock within three minutes of cardiac arrest</li> <li>Starts CPR per voice prompts and screen messages</li> </ul>			
9. Pushes <b>ANALYZE</b>			
10. <i>NO SHOCK ADVISED</i> : <ul style="list-style-type: none"> <li>Begins CPR per voice prompts and screen messages</li> </ul>			
11. Presses <b>CODE SUMMARY</b> for event documentation			
12. Presses <b>ON</b> again to turn defibrillator off			

\* Check pulse and signs of circulation per institutional guidelines.  
Local policy will dictate the maximum number of analyses to perform when the screen message is consistently NO SHOCK ADVISED.

# General Performance Guidelines

Consider the following issues when determining competency:

- Was CPR performed with minimal interruptions?
- Was defibrillation performed in a safe manner?
- Was the first shock delivered within three minutes of collapse?
- Was the defibrillation algorithm followed?
- Was defibrillation integrated with CPR?
- Was defibrillation treated as a priority over all other treatment in a witnessed VF cardiac arrest?

## Suggested Advanced Performance Scenarios

- Hairy chest
- Single responder
- Diaphoretic patient
- Defibrillator charged; charge unwanted
- AED therapy cable incorrectly installed
- Voice and screen message: CONNECT ELECTRODES
- Voice and screen message: MOTION DETECTED! STOP MOTION!

## Optional Activities

**Performance Criteria:**

- Attaches AED therapy cable to the LIFEPAK 20/20e defibrillator.
- Locates defibrillator, razor or clippers, electrodes, towels and other miscellaneous equipment in the workplace.
- Demonstrates transfer of care to Advanced Life Support or Code Team.
- Advanced Life Support team member demonstrates manual defibrillation using the LIFEPAK 20/20e defibrillator.

## Evaluation and action plan

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