

Suggestions for performance evaluation

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

Noninvasive pacing

Name: _____ Unit: _____

Reviewer: _____ Date: _____

This Performance Evaluation is a suggested assessment of one’s ability to perform Noninvasive Pacing with the LIFEPAK 20/20e defibrillator/monitor. This evaluation does not cover all information and skills required to operate the device safely and effectively. This evaluation is designed to be completed after observing an equipment demonstration given by a qualified instructor. For complete information, review the Operating Instructions. References to buttons are indicated in **bold** and screen display messages are indicated in *italics*. This Performance Evaluation requires a patient simulator with pacing simulation.

ECG monitoring during pacing must be performed with the ECG electrodes and patient ECG cable. Pacing therapy cannot be used to monitor ECG rhythm and deliver pacing current at the same time.

Performance criteria	Complete	Incomplete	Comments
1. Differentiates between demand and non-demand pacing modes.			
2. Prepares patient: <ul style="list-style-type: none"> • Explains procedure. • Considers sedation. • Bares patient’s chest. • Clips excessive chest hair. • Wipes all electrode sites clean and dry, does not use alcohol, benzoin or an antiperspirant on pacing electrode sites. 			
3. Presses ON .			
4. Connect the patient ECG cable, apply ECG electrodes to the ECG cable and patient, ensuring there is adequate space between the ECG electrodes and the therapy electrodes.			
5. Selects ECG lead (I, II or III) with greatest QRS complex amplitude.			
6. Identifies the QUIK-COMBO® electrode sites on the patient. For pacing, use either the anterior-lateral or anterior-posterior position.			
7. Prepares patient’s skin for QUIK-COMBO electrode placement.			
8. Applies QUIK-COMBO electrodes to the patient.			
9. Connects QUIK-COMBO electrode tightly into therapy cable.			
10. Presses PACER . Confirms the LED illuminates, indicating that the power is on. NOTE: If the REMOVE TEST PLUG message appears, disconnect test plug and connect therapy electrodes to QUIK-COMBO therapy cable.			
11. Observes monitor screen for ECG rhythm and sense marker (□) on or near the middle of each QRS.			
12. Adjusts ECG size for optimal QRS sensing or selects a different lead.			
13. Presses RATE or rotates SPEED DIAL to select pacing rate.			
14. Presses CURRENT or rotates SPEED DIAL to increase pacing current until electrical capture occurs.			

Performance criteria	Complete	Incomplete	Comments
15. Observes monitor and identifies electrical capture/mechanical capture by: <ul style="list-style-type: none"> • Palpating patient's pulse. • Checking blood pressure. • Observing capture on monitor. Note: decrease in pacing rate of 25% of set rate while pause button is pressed.			
16. Presses and holds PAUSE button to determine patient's underlying rhythm: <ul style="list-style-type: none"> • Observes pulse oximeter (pleth) waveform for adequate waveforms if pulse oximetry is available. 			
17. Describe pacing behavior when active ECG lead becomes disconnected during demand pacing: <ul style="list-style-type: none"> • Dashed line appears across screen. • Nondemand pacing message appears on screen (Note: re-establish nondemand pacing by reattaching ECG lead and replacing ECG electrode). 			
18. Discontinues pacing by: <ul style="list-style-type: none"> • Pressing PACER or • Reducing CURRENT to zero. 			
19. Turns POWER off.			

Evaluation and action plan

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