

Suggestions for Performance Evaluation

with the LIFEPAK® 20 Defibrillator/Monitor

Pulse Oximetry (SpO₂) Monitoring

Name: _____ Unit: _____

Reviewer: _____ Date: _____

This Performance Evaluation is a suggested basic assessment of one's ability to operate the SpO₂ component in the LIFEPAK 20 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 viewing the appropriate inservice video or observing an equipment demonstration given by a qualified instructor. For complete information, review the Operating Instructions.

Pulse Oximetry Monitoring

PERFORMANCE EVALUATION	COMPLETE	INCOMPLETE	COMMENTS
1. Defines <ul style="list-style-type: none"> • Arterial blood oxygen saturation • Hypoxemia 			
2. Identifies hazards in SpO ₂ monitoring <ul style="list-style-type: none"> • Skin irritation • Blistering • Pressure necrosis at sensor site 			
3. Describes how SpO ₂ works <ul style="list-style-type: none"> • Light from emitting diodes to a receiving detector • Saturation of light translated to saturation of hemoglobin 			
4. Identifies when to use SpO ₂ according to institution's policies and procedures			
5. Describes potential causes of possible inaccurate SpO ₂ measurements <ul style="list-style-type: none"> • Applying damaged extension cable • Using more than one extension cable • Sensor exposed to ambient light • Significant blood levels of carboxyhemoglobin or methemoglobin • Excessive patient movement • Venous pulsations • Electrosurgical interference • Placement of blood pressure cuff or intravenous infusion on extremity with sensor • Incorrect sensor size or placement • Use of incorrect sensor 			
6. Recalls considerations when using SpO ₂ <ul style="list-style-type: none"> • Patient's weight, activity level and available application sites • Perfusion to extremities • Sterility requirements • Anticipated duration of monitoring 			
7. Recalls steps for optimal monitoring <ul style="list-style-type: none"> • Uses dry and appropriately sized sensor • Keeps sensor site at the same level as the patient's heart • Applies according to sensor's directions for use • Observes all warning and cautions noted in sensor's directions for use • Observes pulse oximeter (pleth) waveform for adequate pulse waves • Checks that sensor is secure and properly aligned • Uses a new sensor with fresh adhesive backing • If patient movement presents a problem, move sensor to a less active site 			

