mindray™
NORTH AMERICA

DPM 5
BEDSIDE MONITOR GUIDELINE
This document is a guideline only to be used as an aid to comprehensive Inservice training.

NAME: _____

HOSPITAL _____

DATE _____

VALIDATOR _____

	Performed	Not Performed	Not Applicable
A. OVERVIEW			
1. Locate ON/OFF button			
2. Locate battery compartment How do you know batteries are charging? How do you know you are operating on battery? How long will the monitor run on batteries? How long to fully recharge the batteries? Locate A/C connection			
3. Locate and load recorder			
4. Locate NIBP, SPO2, ECG, IBP1/IBP2, CO2 (Optional), Gas (Optional) and temperature connection ports			
5. Locate control panel and control knob			
6. Locate key which close all menus and return user to the main display			
B. BASIC FUNCTIONS			
1. Attach ECG, NIBP, and SPO2 probes			

	Performed	Not Performed	Not Applicable
2. ECG			
a. Discuss electrode prep and placement			
b. Change lead from II to I (3 Lead cable)			
c. Change leads to I and V (if using a 5 lead cable)			
d. Change from a 3 lead to a 5 lead cable (optional)			
e. Display all leads of ECG (5 lead cable)			
f. Set HR alarm limits to 130 (H) and 40 (L) and set to automatically record upon alarm violation			
g. Enable pacemaker enhancement			
3. SPO2			
a. Discuss placement of sensor			
b. Demonstrate disposable sensor placement			
c. Locate SPO2/Pleth display			
d. Set SPO2 alarm limits to 100 (H) and 87 (L)			
e. Set PR alarm limits to 140 (H) and 50 (L) Change SPO2 alarm to high priority			
4. NON-INVASIVE BLOOD PRESSURE (NIBP)			
a. Discuss proper cuff size			
b. Set BP interval for every 10 minutes			
c. Deflate the cuff			
d. When would you use this function? How long does it remain deflated?			
e. Locate NIBP display			
f. Set NIBP sys alarms to 180 (H) and 80 (L)			
g. Display several NIBP measurements on the main display			
5. INVASIVE BLOOD PRESSURES			
a. Locate invasive pressure display tile			
b. Zero an invasive line			
c. Change the label from CH1 to ART			
d. Change the scale from 160 to 200 on the ART line			
e. Print the ECG and Invasive waveform			
6. RESPIRATIONS			
a. Locate respiratory rate display			
b. Respirations are obtained from which sources?			
c. Turn respirations alarms off			
d. Discuss troubleshooting for a patient with shallow respirations			
7. TEMPERATURE			
a. Locate temperature display tile			
b. Display temperature in Celsius			

	Performed	Not Performed	Not Applicable
8. DISPLAY SELECTION a. Adjust main display to include a mini trend graph with real time waveform b. Adjust main display to display parameters in a big font view (big numbers for HR, SPO2, Resp, and NIBP) c. Return to standard/normal display			
9. PRINT a. Print a real-time strip of ECG b. Stop printing			
10. HISTORY RECALL a. Display and print a list of NIBP measurements b. Display Trend Table at a 5-minute interval. Discuss difference between displayed and NIBP interval. Print c. Display and print Graphical Trends (optional)			
11. ALARMS a. Silence an alarm b. How long is the alarm silenced? c. Silence all alarms d. Resume alarm notification e. Discuss differences between high, medium and low alarms including alarm indicators and alarm light f. Display a stored alarm event g. Print a reviewed alarm event			
12. Change patient size from adult to pediatric			
13. Enter first and last name			
14. The patient is being removed from the monitor for a test. What would you select to suspend monitoring functions? Resume monitoring function			
15. Discuss the difference between clearing patient data, discharge and standby. How do you know what function has been performed?			
16. Freeze the waveforms Print the frozen waveform			

	Performed	Not Performed	Not Applicable
C. ADVANCED FUNCTIONS			
1. ARRHYTHMIA (Optional) a. Enable arrhythmia analysis b. What arrhythmia alarms are always on? c. Discuss leads used for arrhythmia analysis d. Activate automatic recording for Bigeminy and Couplet e. Activate the relearn process and provide two explanations when relearn is required.			
2. ST (Optional) a. Enable ST analysis b. Adjust alarm limits to +/- .2 mV (2mm)			
3. ANESTHETIC AGENTS (AG) (Optional) a. Discuss anesthetic agent monitoring setup b. What agents can the monitor identify? c. Adjust the agent scale to 0 -15%			
4. CO2 (Optional) a. Discuss disposable CO2 accessories b. Setup up for an intubated patient c. Setup for a non-intubated patient d. Change the CO2 scale to 0 to 60 mmHg e. Set High CO2 alarm limit of 55 mmHg			
D. MAINTENANCE			
1. DATE/TIME ADJUSTMENT a. Adjust the date and time b. Is this automatically updated for daylight savings time?			
2. Discuss difference between module and trace setup			
3. Setup main display in the following order: ECG (1,2), SPO2, RESP, Invasive (1,2) and CO2 (Optional)			