



## **PATIENT INFORMATION**

### **Capnography A Parent's Guide (Intubated Patients)**

The monitor is a portable bedside capnograph/pulse oximeter that continuously monitors end tidal carbon dioxide, respiratory rate and oxygen saturation. It has an internal battery, which has a life of 4-7 hours when fully charged, however when in use it is recommended that it should be used with mains power. A capnograph is a non invasive, continuous measurement of inhaled and exhaled carbon dioxide concentration over time.

#### **Equipment**

- Portable bedside capnograph/pulse oximeter
- Appropriate Microstream CO<sub>2</sub> filter/sample line
- Relevant Oxygen saturation sensor

#### **Length of Monitoring**

- Minimum 30 minutes up to 8 hours overnight

#### **Power Requirements**

- The Capnograph has an internal battery which has a life of 4-7 hours when fully charged

#### **Using the Capnograph**

##### ***Prior to start up***

1. Slide open the filter line input connector shutter (number 3 in diagram) and connect the appropriate filter/sample line by screwing into place.
2. Connect the small-end of the filter/sample line to ventilator tubing.
3. Firmly connect the patients endotracheal tube into the large-end of the filter/sample line.
4. Connect the appropriate Nellcor oxygen saturation sensor firmly into the sensor port, number 1 in diagram (if required).
5. Place the oxygen saturation sensor with the light to the nail, toe or finger (having removed any nail varnish first) wrap the sensor around the toe/finger so that the other sensor disc is directly opposite the light. Do not pull this too tight as this could interfere with circulation.

6. Turn the monitor on by using number 2 in the diagram and monitor will commence.
7. Monitor goes through a self check.

### ***Please Note***

- To silence the alarm press the button with the bell above it. The alarm will be silenced for 2 minutes. Please check child to try and identify cause for alarm i.e. saturation probe may have come loose, or the filter line may be twisted or disconnected.
- To silence the bleeping of the monitor: long press the button below the bell symbol. Then short press the arrow key to scroll down to **all alarms** and select **off** using the button below the two triangles. This will silence the alarms and the bell symbol should be lit up. The screen will return to measuring mode after 15 seconds.

### ***When you have finished recording***

1. Switch the monitor off using the off/on button marked figure 2 in the diagram.
2. Detach both lines /probes from the monitor
3. Remove the lines/probes from your child/young person

## **Displays, Controls, and Connectors**

3. Filter Line Input Connector



1. SpO<sub>2</sub> Connector
2. Off/On Switch

**Please fill in the activity chart provided.**

## Activity Chart

Name	
DOB	
Hospital No	
Consultant	
Oxygen rate	
Date of study	

[illegible]