



PATIENT INFORMATION

Capnography A Parent's Guide (Nasal Prongs)

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 CO₂ filter/sample line
- Relevant Oxygen saturation sensor

Length of Monitoring

- Minimum 30 minutes up to 8 hours overnight

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. Put the filter/sample line onto your child/young person so that a nasal prong rests in each nostril. Put the line over the head resting over the ears, and tighten using the plastic ring, so that it is held in place comfortably.
3. Connect the appropriate Nellcor oxygen saturation sensor firmly into the sensor port, number 1 in diagram (if required).
4. 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 or finger so that the other sensor disc is directly opposite the light. Do not pull this to tight as this could interfere with circulation.
5. Turn the monitor on by using number 2 in the diagram and monitor will commence.
6. 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.
- If the alarm sounds with the message “CO₂ low” on the screen then please check that the prongs in the nose are correctly in the nostrils and that the ends are not pressed against the lining of the nose.
- If the alarm sounds and the screen reads ‘occluded’, check as above. If this does not work then try changing the nasal cannulae but if this does not work then the study will have to be discontinued and rebooked.
- 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. SpO₂ 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]