APPLICATION GUIDE
For Nellcor™ Forehead SpO2 Sensor with OxiMax™ Technology

To ensure reliable, accurate pulse oximetry readings from Nellcor™ forehead SpO2 sensors, always remember to:

1. **Think PIRATE** (Place It Right Above The Eye)
   - Prepare the site with alcohol
   - Remove the adhesive backing strip

2. Always use the Nellcor™ forehead SpO2 headband positioned over the sensor and adjust the tension to align green arrows with indicator

3. Alternate the sensor site from above one eye to the other every 12 hours
   - Prepare the site with alcohol
   - Change the adhesive layer when necessary
   - Reapply the headband

Because individual skin condition affects the ability of the skin to tolerate sensor placement, with some patients it may be necessary to change the sensor site more frequently.

DO NOT use digit sensors on a patient’s head or ears
- When used on foreheads, digit sensors give inaccurate, often overestimated SpO2 levels (Graph 1)

**Forehead sensors detect hypoxic events faster than other sensors**
- The forehead of a healthy adult exposed to cold temperatures stays warm while the fingers, ears and nose lose heat (Figure 1)
- Cold causes vasoconstriction and low peripheral perfusion
- Forehead SpO2 measurements are more accurate than finger SpO2 measurements in critically ill patients

**Nellcor™ pulse oximetry with OxiMax™ technology specifies the most accurate measurement of SpO2, even in some of the most challenging patients.**

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Graph 1

Figure 1