Providing “One and Done” SpO2 monitoring for EMS

In the world of EMS, speed is everything. Making quick, informed decisions can be the difference in patient outcomes. The Assurance® Nasal Alar SpO2™ Sensor is your “one and done” solution for fast, accurate and dependable SpO2 readings.

- Earlier detection
- Better perfusion
- Dependable monitoring
- Easy access to the alar site
- Immune to ambient light
- Less susceptible to high noise and vibration environments

Easy to use and cost effective

Placement of the Assurance® Nasal Alar SpO2™ Sensor is simple. It is readily accessible, which can be important in EMS vehicles. In addition, this single-patient-use sensor maintains its placement on the nasal ala comfortably, without adhesives. As a result, the sensor is easily removed and reapplied, eliminating the waste associated with trying multiple sensors to get a good signal.

Also, because the sensor’s receiver is inside the nose, it is naturally shaded, protecting it from the interferences of ambient light. The Assurance® Nasal Alar SpO2™ Sensor is also less susceptible to dropout caused by the noise and vibrations associated with EMS transportation.
Faster detection of SpO₂ changes¹,⁴,⁷,⁸

When monitoring critical patients with pulse oximetry, it’s important to know that you are detecting the earliest changes in oxygenation status. Central monitoring sites have been shown to be more responsive to changes in SpO₂ than peripheral locations.⁴

The Assurance® Nasal Alar SpO₂™ Sensor applied to the nasal ala detects SpO₂ changes faster than a finger-applied sensor, an early response that can be critical for clinical intervention. In research studies, Nasal Alar Oximetry detected desaturations up to 30 seconds faster than finger-applied sensors.¹,⁸

Better perfusion; Dependable signal…less prone to drop out³

Because the Assurance® Nasal Alar SpO₂™ Sensor is used on the nasal ala, a central site with a highly consistent blood supply and signal, it is unaffected by many of the most common patient conditions that cause diminished perfusion to the digits leading to signal dropout and resulting in failure to provide an accurate pulse oximetry reading. Traditional finger monitoring may also be limited by injury, presence on the surgical field, non-invasive blood pressure cuff interruption, arm tucking and shivering.

References:
6. Melker RJ, PhD, MD; Morey TE, MD; Rice MJ, MD. Accuracy of a Nasal Alar Pulse Oximeter. Sensor Society for Technology in Anesthesia. Jan 2013 (abstract).

*This product complies with ISO 10993-1, Biological evaluation of medical devices - Part 1: Evaluation and testing. The SpO₂ accuracy has been validated with Nellcor OxiMax and Oxisensor II compatible monitors and Philips FAST compatible monitors in human studies against arterial blood sample reference measured with a CO-oximeter.

Distributor Information

© 2015 Xhale Assurance, Inc.
Nellcor is a trademark of Covidien, Inc. All other trademarks belong to Xhale, Inc. or affiliates.