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Pulse Oximetry

OxiMax

Nellcor[®] OxiMax Difference

The remarkable of sensor innov Unlike our earli digital memory characteristics far greater flex manufacturers

OxiMax Sensi

The *OxiMax* pu sensor choices to meet diverse patient needs. You can choose from our full line of adhesive, reusable and specialty sensors described below. Clinicians appreciate *OxiMax* sensors for their quality, durability and "works-right-from-the-start" performance.

Click on the link to the right to download the Clinician's Guide to Nellcor Sensors for information that can help you select the proper type of sensor for your patients.

LoSat[™] Expanded Accuracy Range

The *OxiMax* platform has enabled Nellcor to expand the accuracy specifications of certain *OxiMax* sensors to an industry-leading range of 60% to 100% SpO₂ (versus the standard 70% to 100%). This *LoSat[™]* expanded accuracy feature helps clinicians better manage patients in the challenging lower saturation ranges, such as infants with congenital heart disease.

Other Sensor Products

Table 2. Study Summary

Characteristic	Value
Number of Subjects	12
Male : Female	3 : 9
Age	19 – 48 years
Weight	115 – 185 pounds
Skin Pigment	
Light	3
Medium	7
Dark	2
Stable Blood Samples	N=301
SaO ₂ Span	53.3% - 99.5%
70%-100% SaO ₂ Range*	N=227
60%-80% SaO ₂ Range	N=105

* Analysis included SaO₂ data between 68% and 99% SaO₂ as this span provided 113 observations below 85% SaO₂ and 114 above. Including strictly 70%-100% otherwise resulted in a disproportionately large number of observations in the upper half of the range.

Although Nellcor makes claims for low saturation accuracy with infants with congenital heart disease, the company's own technical publication (*Nellcor[®] Oximax[®] Pulse Oximetry Accuracy, Page 2—Table Reproduced Above*) shows that their testing was done on adults, not infants.