

Faulty Readings & False Alarms

Masimo Rad-8® Provides Accuracy During Patient Motion

Location Van Nuys, CA

Clinician Reporting Becky Miles, RCP

Patient Event Fluctuating readings and false alarms lead to lost trust

> The Situation

A 13-month-old girl with respiratory distress syndrome complicated by gastroesophageal reflux disease (GERD) and prone to frequent desaturations when lying down had been on a conventional pulse oximeter since coming home from the hospital at 3-months-old.

The patient was being monitored continuously by a Datex Ohmeda 3900 oximeter with an OXY-AP sensor applied to the foot. In the last few months, as the patient began to sit-up and move around more, the oximeter began to fail miserably — providing wildly fluctuating oxygenation readings and multiple false alarms. Further complicating the situation, the patient was in between Datex Ohmeda sensor sizes and typical sensors did not fit properly. The infant tape did not wrap securely around the foot, yet she was too small for a finger or toe sensor.

These events set off a wave of concern for the family and soon desperation set in. The patient's parents lost trust in the pulse oximeter readings and hired a night nurse to ensure the equipment worked properly and provide intervention during a desaturation event.



Rad-8 Pulse Oximeter with Masimo SET measures through motion and low perfusion

> The Masimo Difference

About this time, my company signed a purchasing contract with Masimo Corporation and I learned about the Masimo Rad-8 at an in-service training session. Having tried every pulse oximeter available to me (Nonin and Datex Ohmeda), and in search of something better, I hoped that Masimo could be the solution I had been seeking for this patient.

A few days later, I began monitoring the patient with a Masimo Rad-8 pulse oximeter. As soon as the Masimo LNCS® Inf-L sensor was placed on the patient's foot, we got fantastic results. We had an immediate reading that was steady and didn't fluctuate all over the board. Even during patient movement the reading was steady, accurate, and reliable. We were thrilled.

The ability of the Masimo Rad-8 to read through motion and low perfusion provided the parents with pulse oximeter readings they could believe in. Now, they have the peace of mind that comes from knowing their daughter is being monitored accurately and reliably, and that appropriate clinical intervention is close at hand.

"The Rad-8 provided us with more accurate readings and continuous, reliable oxygenation status with alarms generated at appropriate times of desaturation events."

—Becky Miles, RCP