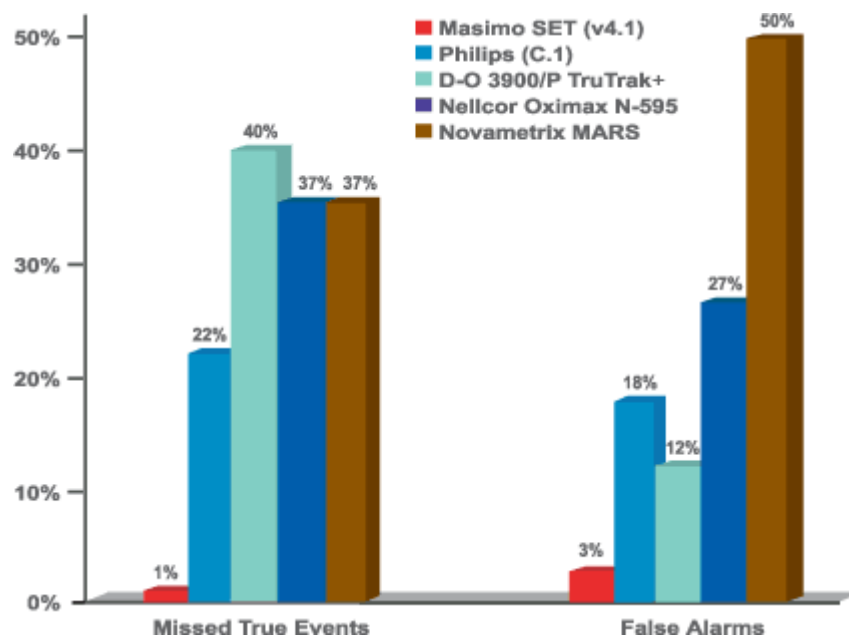


## Masimo SET V5 Features

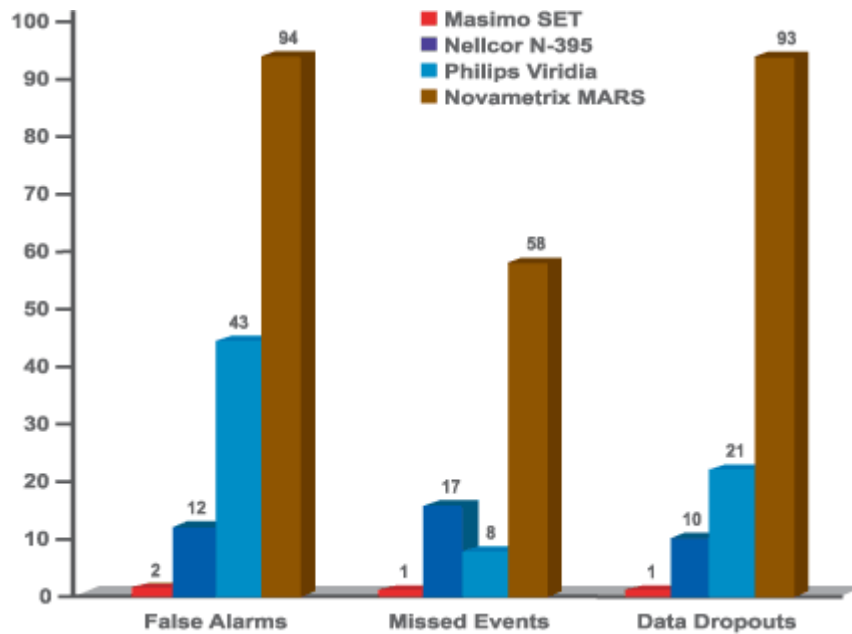
- **MasimoSET** is clearly the Gold Standard in Pulse Oximetry especially under the most challenging conditions such as motion and low perfusion. Over 90 independent and objective studies have been published over the last ten years, with all but one, concluding that Masimo SET is superior to other available pulse oximeters.

### Barker's Adult Motion Resistance Study



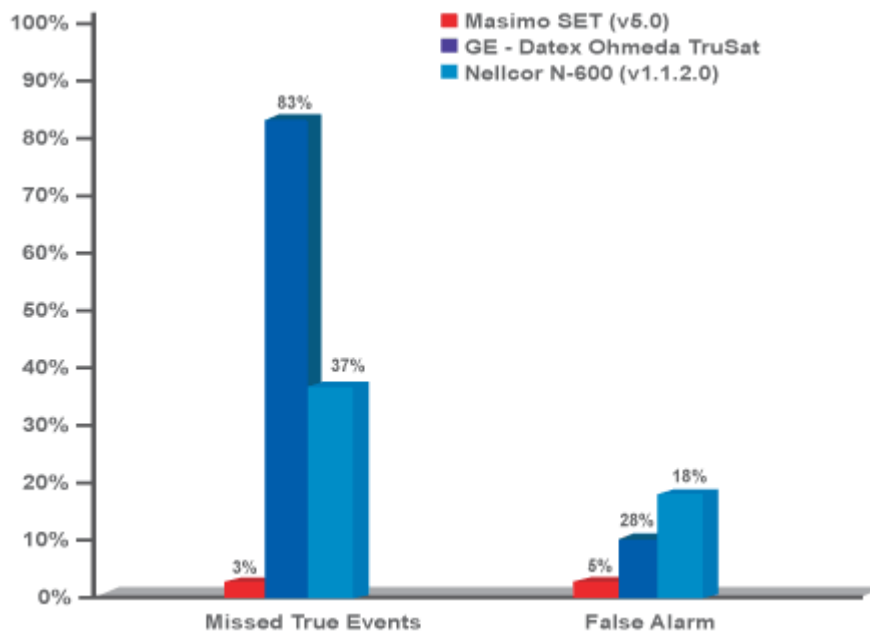
S.J. Barker, PhD, MD, S. Morgan; Dept. of Anesthesiology, University of Arizona, Tucson, USA. A laboratory comparison of the newest "motion-resistant" pulse oximeters during motion and hypoxemia. *Anesth & Analg* 2004;98(5S):S2.

### Hay's Neonate Motion Resistance Study



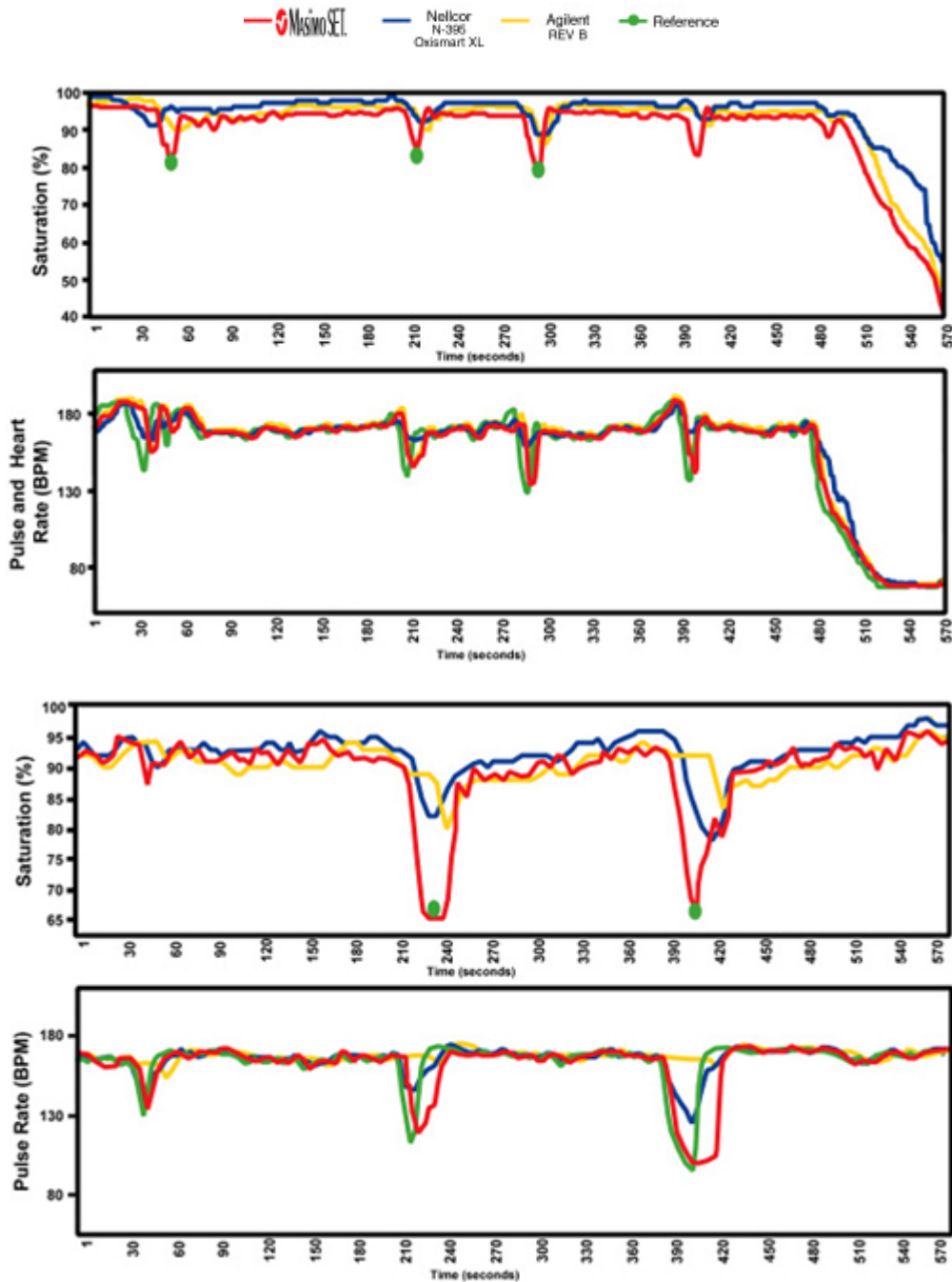
Hay WW, Rodden DJ, Collins SM, Melara DL, Hale KA, Fashaw LM. Reliability of conventional and new oximetry in neonatal patients. *Journal of Perinatology*. 2002;22:360-266.

### Shah's Motion and Low Perfusion Study



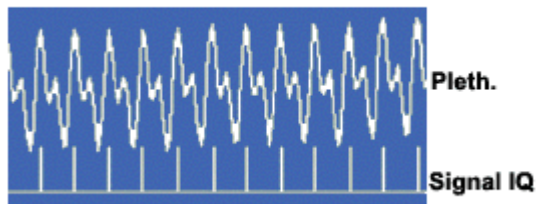
Nitin Shah, M.D., Laverne Estanol, M.S. Anesthesiology, Long Beach VA Medical Center, UC Irvine Medical Center, Long Beach, California. Failure Rates & Recovery Times of New Generation POs during Motion and Low Perfusion in Volunteers. *Anesthesiology* 2006; 105: A242

- FastSat** is a new algorithm designed to track rapid changes in oxygen saturation. The following plot outlines the performance characteristics of Masimo SET with FastSat algorithm compared to both the latest Agilent Rev B and Nellcor N395 with Oxismart XL technologies. Data reflects results of clinical studies performed on NICU infants.

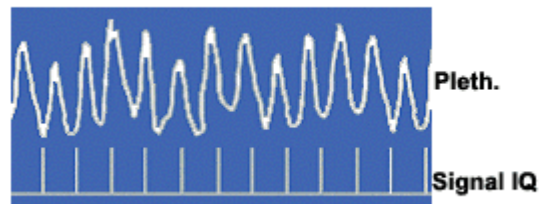


- Signal IQ** is used for signal identification during motion and indicates the confidence in the measurement.

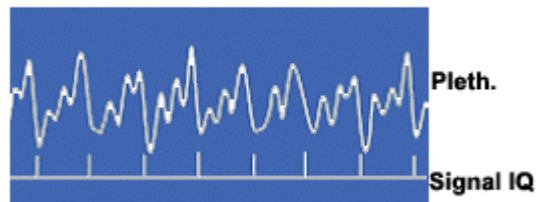
## No Motion



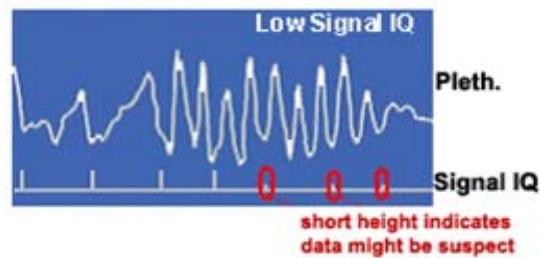
## Motion A



## Motion B

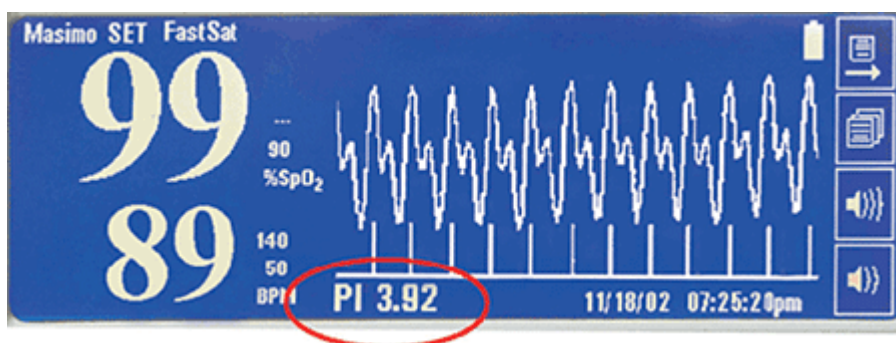


## Motion C



*As the plethysmograph waveform gets corrupted with motion, the Signal IQ indicator shows the location of the pulse, while the height of the vertical bar indicates the quality of the measured signal. When the signal quality is compromised, a Low Signal IQS message is displayed.*

- **Perfusion Index (PI)** indicates arterial pulse signal strength and may be used to find the best perfused site for sensor placement, as well as a diagnostic tool, during low perfusion, for the accurate prediction of illness severity.
- **Perfusion Index (PI) with trending capability** indicates arterial pulse signal strength and may be used as a diagnostic tool during low perfusion.



3D Alarm System:

- **Desat Index Alarm™** enables clinicians to detect an increasing quantity of smaller desaturations that may precede declining respiratory status.
- **PI Delta Alarm™** alerts clinicians to specified changes in perfusion, often a reliable indicator of illness severity.