

New Study Reveals that Masimo SET Pulse Oximetry Facilitates Accelerated Recovery Times and Dramatically Reduced Costs

Glendora, CA, July 19, 2001 - Dilip S. Patel, MD, Medical Director and Rick Rezkalla, Director of Cardiorespiratory, both of Huntington East Valley Hospital in Glendora, CA have released results of an evaluation of Masimo SET pulse oximetry and its effects on oxygen therapy weaning protocols in their facility. Their nine-month evaluation revealed strong evidence of decreased cost and improved outcomes when using Masimo SET pulse oximetry compared to conventional pulse oximetry solutions. Masimo SET Pulse Oximetry resulted in a 40 percent reduction in the total hours of vented oxygen usage; a significant reduction in the number of Arterial Blood Gas (ABG) draws; and a 42% decrease in average length of stay from 5.3 days to 3.1 days.

The respiratory care department at Huntington East Valley Hospital found that, for the first time, they could continuously acquire data on patients who were poorly perfused, combative or frequently in motion. Because results from ABG's were consistent with the reading from the Masimo SET pulse oximeters, the RT's grew increasingly confident in the Masimo SET technology. As a result of the improved confidence, the number of costly invasive tests declined and weaning the patient from ventilators and supplemental oxygen became faster. This led to improvement in patient outcomes and facilitation of successful and early discharges. The time for discharge from the hospital after weaning was reduced by nearly 50% and patients reported being more comfortable while in the hospital's care.

"We are delighted with the results of the new protocol because we have significantly reduced costs," commented Dr. Patel. "But an even more important outcome is the better level of care for patients, getting them off ventilators sooner and sending them on the road to recovery."

"Respiratory Therapists now are able to make decisions independently, relieving the nursing staff of making numerous phone calls to physicians to report on the patient's condition, ABG results, and to obtain further weaning orders", added Mr. Rezkalla.

"Nine years of clinical research and nearly 50 independent studies have been done on Masimo SET since we first demonstrated that pulse oximetry could indeed work during motion", stated Joe E. Kiani, President and CEO of Masimo Corporation. "Leading researchers in the field of anesthesia, pediatric anesthesia, neonatology, respiratory care, transport, emergency care, and sleep disorders have all concluded that Masimo SET has broken the motion barrier. All independent studies have shown that Masimo SET clearly established a new level of performance by virtually eliminating false alarms and, due to Masimo SET's fidelity, improving the detection of clinically relevant conditions. Masimo's unprecedented performance and reliability has been linked to reduction of latent conditions, which have been linked to medical errors. This latest study by Dr. Patel and his colleagues is very important, because it proves that with Masimo SET pulse oximetry, patient care can be improved while reducing the cost of care and the workload of the clinicians who are in high demand."

Reference: Dilip P, Rezkalla, R., Weaning Protocol Possible with Pulse Oximetry Technology. *Advance for Nurses*:38(2001)