Masimo Announces Patient SafetyNet Series 5000 with Iris Connectivity and MyView

*Bringing Connected Care and Enhancing Clinician Workflow from the Operating Room
to the Medical and Surgical Unit*

Masimo announced the debut of Patient SafetyNet Series 5000™ along with Iris™ Connectivity and MyView™ through the Root ® patient monitoring and connectivity platform at the HIMSS Annual Conference and Exhibition in Chicago. This series of Patient SafetyNet offers a new level of interoperability designed to enhance clinician workflows, and reduce the cost of care, from operating rooms to medical-surgical units.

Today's medical-surgical units utilise intermittent vital signs spot checks, standalone monitoring systems, and a host of disparate legacy devices, which become isolated stores of valuable patient data. Existing approaches for device interoperability typically require separate hardware, software, and/or network infrastructure, which can clutter the patient room, increase complexity, burden IT management, and increase costs.

A New Level of Data Integration & Workflow Optimisation

Masimo's Patient SafetyNet Series 5000 with Iris enables Root to intake data from all devices connected to the patient, acting as an in-room patient monitor and connectivity hub. Alarms and alerts for all devices are seamlessly forwarded to the patient's clinician and all device data are effortlessly documented in the patient's electronic medical record (EMR).

The patient-centric user interface of Patient SafetyNet Series 5000 displays near real-time data from all devices, providing a single unified dashboard of patient information. Having such a holistic view can enable caregivers to more quickly assess patient status allowing for faster clinical decisions.

To simplify documentation of patient data, Root enables clinicians to easily verify and send patient vitals, as well as all connected medical device information data to the EMR directly from Root. Data can also be sent to the EMR periodically. An interface between the Patient SafetyNet Series 5000 Appliance and the hospital ADT system allows clinicians to receive ADT information on Root for positive patient identification at the bedside. Clinicians can also manually enter additional data on the Root device, including temperature, blood pressure, level of consciousness, pain score, and urine output.

Personalised Displays & Reporting with MyView™

MyView is a wireless, presence-detection system that enables clinicians to automatically display customised clinical profiles on Masimo devices, such as Root, Radical-7, and the Patient SafetyNet View Station. When a clinician approaches the device, a clinician-worn MyView badge signals the device to display a preselected set of parameters and waveforms tailored to the individual clinician's preferences.

MyView allows clinicians the ability to consume medical device information in a manner that is most conducive to optimising their workflow, while the presence mapping data collected by all the Masimo devices can provide information on how clinicians spend time with their patients. This allows nursing leadership and management the opportunity to examine analytical data on patient and clinician interactions to optimise workflows across the unit, hospital, or hospital system.

In 2012, The Joint Commission Sentinel Event Alert on the safe use of opioids in hospitals recommended implementation of better dosing along with continuous oxygenation and ventilation monitoring (instead of spot checks) in post-surgical patients.[1] After implementing Masimo SET® and Patient SafteyNet remote monitoring and wireless notification system in a post-surgical floor where only intermittent spot-checking was used before, Dartmouth-Hitchcock Medical Center reduced rapid response activations by 65%* and ICU transfers by 48%,[2] and realised $1.48 million in annual opportunity cost savings. Based on the results in this single unit, Dartmouth expanded the system to all seven of its medical-surgical units and had zero patients experience brain injury or death over a five-year period.[3]

"Medical device interoperability is a key component to improving clinical decision-making, patient safety, and clinician workflow," said Joe Kiani, founder and CEO of Masimo. "Unfortunately many technical and corporate barriers can make achieving interoperability challenging for hospitals. Our goal with Patient SafetyNet Series 5000, Root with Iris, and MyView is to eliminate these barriers and offer innovation that automates patient care with open, scalable, and standards-based connectivity solutions."

References

1 The Joint Commission Sentinel Event Alert, 2012;49
2 Taenzer, Andreas H.; Pyke, Joshua B.; McGrath, Susan P.; Blike, George T. "Impact of Pulse Oximetry Surveillance on Rescue Events and Intensive Care Unit Transfers: A Before-and-After Concurrence Study." Anesthesiology, February 2010, Vol. 112, Issue 2. *The calculation of reduced rapid response activations by 65% was based on reduction of rescue events from 3.4 per 1,000 discharges to 1.2 per 1,000 discharges.
3 Taenzer A, Blike G, McGrath S, Pyke J, Herrick M, Renaud C, Morgan J. "Postoperative Monitoring – The Dartmouth Experience." Anesthesia Patient Safety Foundation Newsletter Spring-Summer 2012.

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