

Masimo – A New Reliable Noninvasive Method of Detecting Oxygen Saturation in Critically Ill.

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Summary

Masimo Signal Extraction Technology (SET) pulse oximetry (MSO) is a new non-invasive method of measuring oxygen saturation in the critically ill patients in whom conventional pulse oximetry has often failed. We have used this new technology pulse oximeter to measure the oxygen saturation of 20 patients in whom the conventional pulse oximeter showed erroneous readings of both oxygen saturation and pulse rate as confirmed by arterial blood gas analysis and ECG respectively. Masimo SET pulse oximetry has shown reliable results in patients with hypoperfusion, hyperthermia and motion artifacts. It has reduced the false alarms in the intensive therapy units, thereby increasing caregiver efficiency to a large extent.