

Total Hemoglobin

SpHb

Total hemoglobin (SpHb™) is the latest measurement to be offered as part of Masimo Rainbow SET®, a breakthrough noninvasive blood constituent monitoring platform that provides measurements that previously required invasive blood sampling and time-consuming laboratory analysis.

Noninvasive • Continuous • Immediate

CLINICAL APPLICATIONS

Now, reliable noninvasive hemoglobin monitoring may allow:

- > Earlier and better clinical decisions
- > Improved patient safety
- > Decreased costs

And may provide the following clinical benefits:

SURGERY



TRANSFUSION MANAGEMENT

- > Initiate timely blood transfusions and avoid giving unnecessary blood transfusions
- > Decrease costs by more effectively titrating blood and blood-replacement products

CRITICAL CARE



OCCULT BLEEDING IDENTIFICATION

- > Identify hemorrhaging earlier, allowing for earlier intervention
- > Avoid patient morbidity and its associated costs

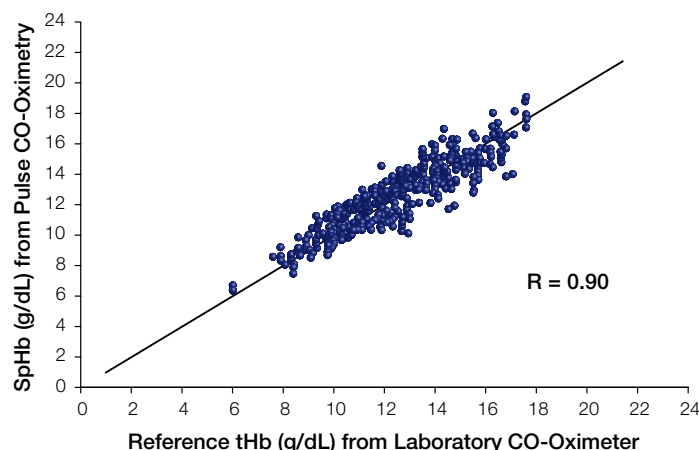
EMERGENCY DEPARTMENT



REAL-TIME ANEMIA DETECTION

- > Quickly identify chronic or acute anemia and initiate timely treatment
- > Increase efficiencies through rapid testing and triage

CLINICAL ACCURACY



Proven accuracy compared to invasive laboratory methods¹

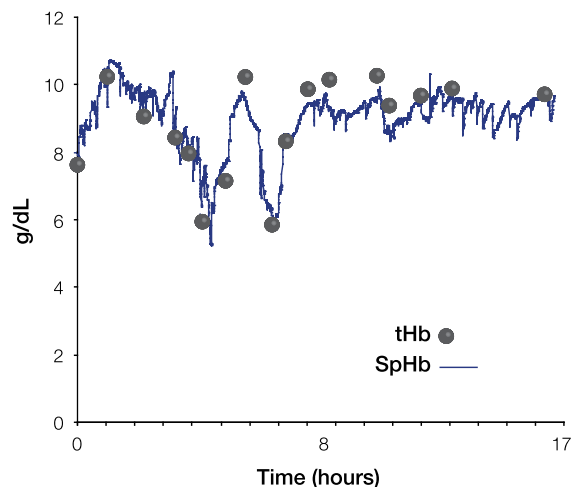
- > In 492 comparisons of SpHb readings with invasive hemoglobin (tHb) measurements taken at the same time and analyzed by a laboratory CO-Oximeter, SpHb had a correlation of 0.90, a standard deviation of 0.95 g/dL, and 96% of SpHb values were <1.5 g/dL from the laboratory value in the critical anemic range below 12 g/dL.

¹ Masimo FDA Submission Data

Precise hemoglobin trending during changing anemic status²

- > In a nearly 17-hour liver transplant case, SpHb values trended accurately and consistently with invasive laboratory measurements during periods of significant blood loss and blood transfusions.
- > While traditional laboratory measurements can only provide intermittent hemoglobin values, this case illustrates the potential benefits of continuous SpHb monitoring to titrate blood more effectively.

² MackNet MR et al. Anesthesia and Analgesia. 2007;104:S-31.



TECHNOLOGY PLATFORM



The upgradable Masimo Rainbow SET technology platform features the following measurements:

- > Total Hemoglobin (SpHb)
- > Oxygen Content (SpOC)
- > Carboxyhemoglobin (SpCO)
- > Methemoglobin (SpMet)
- > PVI
- > Oxygen Saturation (SpO₂)
- > Pulse Rate (PR)
- > Perfusion Index (PI)

Masimo Rainbow SET measurements can be field-installed on both the Radical-7 and Rad-87 monitors through a simple software upgrade.

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