Carboxyhaemoglobin

SpCO

Carboxyhaemoglobin (SpCO®) is a breakthrough measurement that allows clinicians to noninvasively and immediately detect elevated levels of carbon monoxide in the blood—facilitating earlier diagnosis and treatment for patients poisoned by carbon monoxide.

Noninvasive > Continuous

> Exposure to carbon monoxide (CO) is the leading cause of death by poisoning in industrialised countries.¹
> CO poisoning is often misdiagnosed because symptoms are similar to the flu.²
> Timely diagnosis and treatment of CO poisoning is critical.³
> SpCO has been shown to identify 60% more carbon monoxide poisonings than traditional methods.⁴

“Carboxyhaemoglobin measurements performed noninvasively in the Emergency Department with Masimo Pulse CO-Oximetry should lead to enhanced diagnosis of CO poisoning, increased referral for appropriate treatment, and a resultant reduction in morbidity from the disease.”

NEIL B. HAMPSON, MD
Pulmonologist, Department of Hyperbaric Medicine,
Virginia Mason Medical Center, Seattle, Washington
CLINICAL ACCURACY

Proven accuracy compared to invasive laboratory methods*

> In comparisons of SpCO readings with invasive carboxyhaemoglobin (COHb) measurements taken at the same time and analysed by a laboratory CO-Oximeter, SpCO was validated in the range of 1-40% with an accuracy of ±3% at 1 standard deviation.*

* Masimo FDA Submission Data

TECHNOLOGY PLATFORM

Masimo rainbow SET® is a noninvasive monitoring platform enabling the assessment of multiple blood constituents and physiologic parameters that previously required invasive or complicated procedures, in addition to providing Masimo SET® Measure-through Motion and Low Perfusion pulse oximetry.

> Acoustic Respiration Rate (RRa™)
> Carboxyhaemoglobin (SpCO®)
> Methaemoglobin (SpMet®)
> Oxygen Content (SpOC™)
> Pleth Variability Index (PVI®)
> Total Haemoglobin (SpHb®)
> Oxygen Saturation (SpO2)
> Pulse Rate (PR)
> Perfusion Index (PI)

The upgradeable rainbow SET® platform lets you choose the rainbow® measurements that are right for you now and be confident that your investment in patient safety won’t become obsolete tomorrow.

REFERENCES