FORE-SIGHT®

Absolute Tissue Oximetry

ABSOLUTE ACCURACY: IMPROVING THE PRECISION OF PATIENT CARE

FORE-SIGHT provides clinicians with "Best-in-Class" accuracy. Independent studies from leading academic institutions have demonstrated the superiority and consistent accuracy of FORE-SIGHT Absolute Tissue Oximetry compared to other commercially available devices (see table below).

Physicians and Clinicians expect:

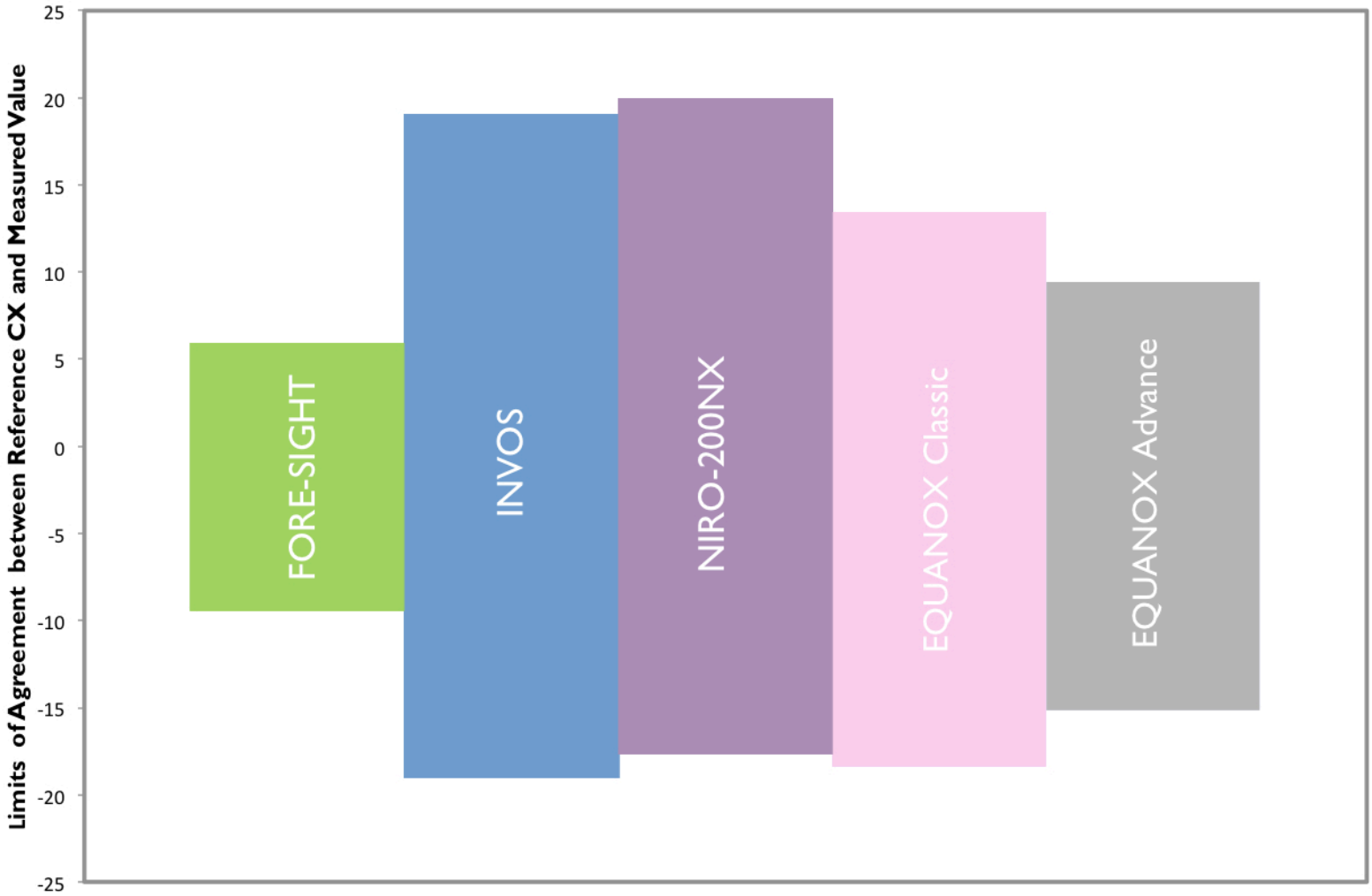
- **PRECISION** from FORE-SIGHT's consistent performance has been repeatedly validated in a diverse patient population
- **CONFIDENCE** from FORE-SIGHT's unsurpassed accuracy may lead to effective clinical interventions and to better outcomes

Abstract			FORE-SIGHT CASMED			INVOS COVIDIEN			NIRO-200NX HAMAMATSU			EQUANOX Classic NONIN			EQUANOX Advance NONIN		
Year	Presented at	Title, Lead Author, Institution	SD	Bias	A_{rms}	SD	Bias	A_{rms}	SD	Bias	A_{rms}	SD	Bias	A_{rms}	SD	Bias	A_{rms}
2006	IARS	Validation of the CAS adult cerebral oximeter during hypoxia in healthy volunteers. MacLeod et al. Duke University Medical Center	**±3.70**[1]	0.18	*	*	*	*	*	*	*	*	*	*	*	*	*
2009	ASA	Absolute and trending accuracy of FORE-SIGHT and INVOS cerebral oximeters in healthy volunteers. MacLeod et al. Duke University Medical Center	**±3.12**	1.59	*	**±9.62**	2.00	*	*	*	*	*	*	*	*	*	*
2011	IARS	Nonin Equanox 8004CA Advance cerebral oximeter sensor provides valid assessment of true tissue oxygen saturation. MacLeod et al. Duke University Medical Center	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4.10
2011	ASA	Performance of 5 cerebral oximeters during hypoxia in healthy volunteers. Bickler et al. University of California at San Francisco	**±3.90**	1.73	4.26	**±9.72**	0.05	9.69	**±9.64**	-1.23	9.68	**±8.12**	2.48	8.47[2]	**±6.27**	2.84	6.86

*Not stated in the Abstract
1) FORE-SIGHT published specification
2) EQUANOX Classic published Arms=8.3
3) Bias is presented as [Measured value - Reference CX]

FORE-SIGHT's accuracy performance provides clinicians with greater confidence to choose when to intervene. This increased precision over conventional NIRS devices could minimize the risk of under- or over-treating a patient. Over-treatment can be harmful and increases the cost of care, while under-treatment can also be harmful as opportunities to intervene are missed. FORE-SIGHT Absolute Tissue Oximetry assists physicians and clinicians in tailoring care for each patient, potentially increasing the probability of a better patient outcome.

Accuracy Testing of Commercially Available Cerebral Oximeters
Bland-Altman 95% Confidence Interval for Limits of Agreement



The graphic is based on data collected from 23 healthy adult volunteers breathing controlled gas mixtures with weighted CO-oximetry blood data as reference. Data reprinted in Bickler PE, Feiner JR, Eilers H, Rollins M. Performance of 5 cerebral oximeters during hypoxia in healthy volunteers. Proceedings of the 2011 Annual Meeting of the American Society of Anesthesiologists; Abstract LBT07.

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