

Confidence of Knowing

Smart. Innovation.



ForeSight Elite tissue oximetry system

ForeSight Elite system brings confidence to tissue oximetry with accurate measures

With ForeSight Elite system, you gain access to accurate readings that account for a range of tissue and skin tones as well as oxygenation insights you can act on to ensure confident decisions. Delivered at a variation range of approximately +/- 3.05%.*

**At one standard deviation for cerebral StO_2 measurements using the large sensor*

Studies show that desaturations occur in up to

80%* of certain procedures¹

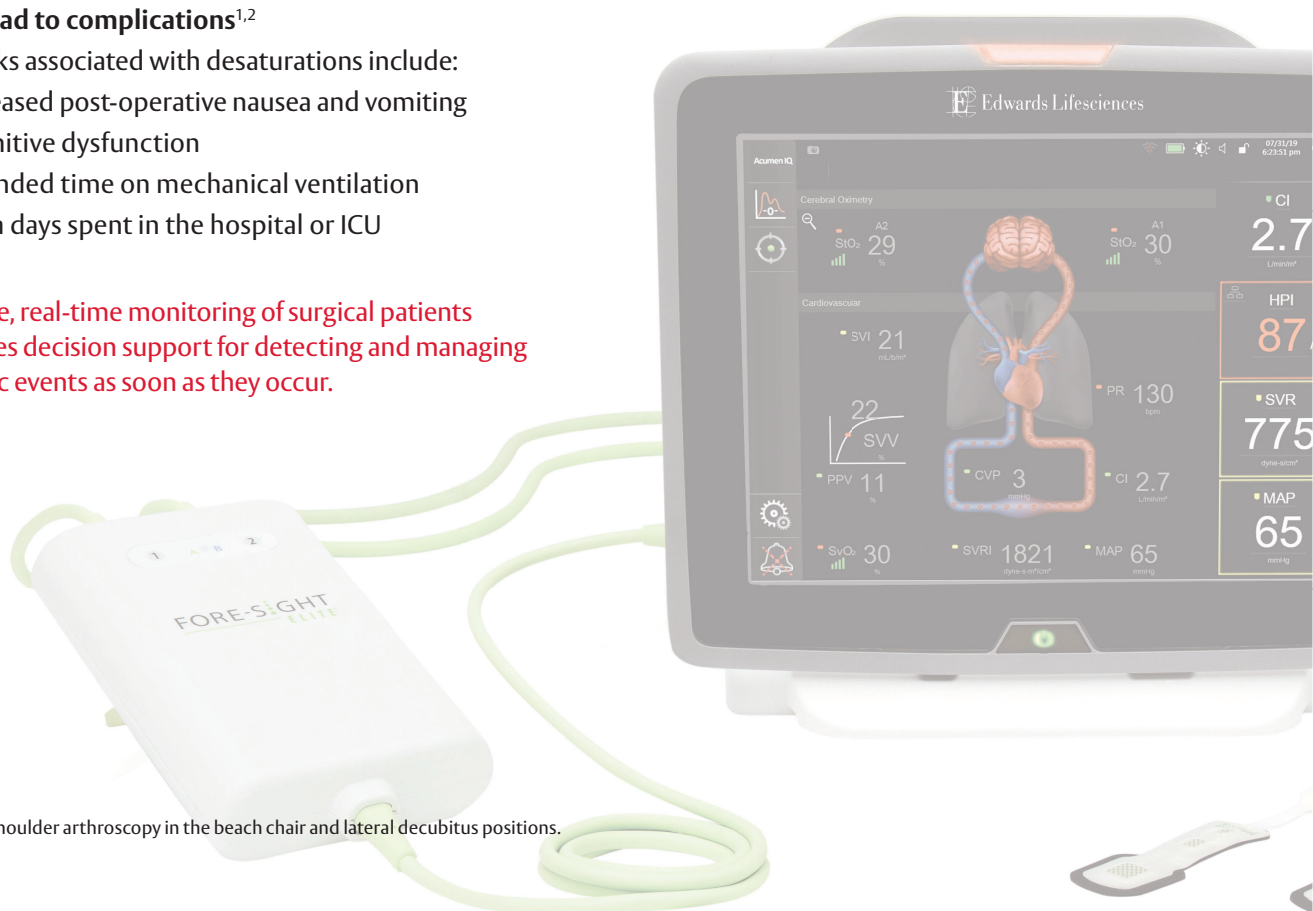
creating a need for reliable technology to detect them.

Cerebral desaturations can be serious and may lead to complications^{1,2}

The risks associated with desaturations include:

- Increased post-operative nausea and vomiting
- Cognitive dysfunction
- Extended time on mechanical ventilation
- Extra days spent in the hospital or ICU

Reliable, real-time monitoring of surgical patients provides decision support for detecting and managing hypoxic events as soon as they occur.



**During shoulder arthroscopy in the beach chair and lateral decubitus positions.*

Accurate performance and precision in tissue oximetry

ForeSight Elite sensor technology allows for effective tissue interrogation. By incorporating 5 wavelengths of near-infrared light to analyze tissue, ForeSight Elite system provides a broad spectrum of NIRS wavelengths (685, 730, 770, 810, 870nm). This technology allows for effective tissue interrogation at points where oxygenated and deoxygenated hemoglobin are more greatly distinguished for highly accurate performance.

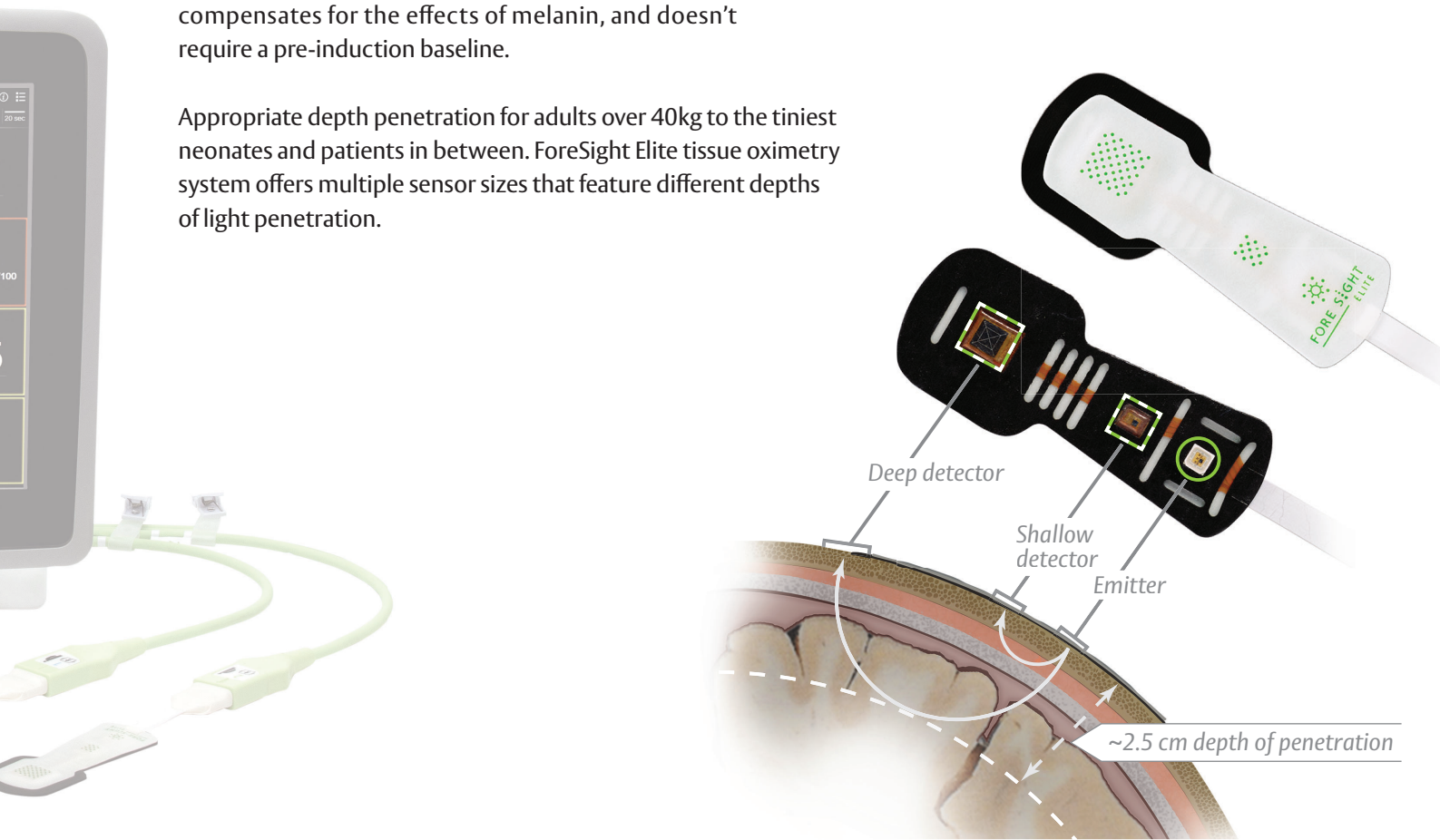
For accurate cerebral tissue oximetry monitoring, it is essential that near-infrared light penetrates at an appropriate depth.

- ForeSight Elite sensor provides a depth of light penetration of up to 2.5 cm.
- Studies show that adults often have skin-to-grey matter distances of greater than 2.0 centimeters³

Tailored to accommodate anatomical differences

ForeSight Elite system algorithm is tailored to the unique optical properties of cerebral tissue in addition to skeletal muscle sites. The algorithm features both adult and pediatric modes, compensates for the effects of melanin, and doesn't require a pre-induction baseline.

Appropriate depth penetration for adults over 40kg to the tiniest neonates and patients in between. ForeSight Elite tissue oximetry system offers multiple sensor sizes that feature different depths of light penetration.



Suite of tools that meet the unique needs of each patient

Models	Description
01-07-2103	ForeSight Elite large sensor (≥ 40 kg), 20 sensors/box
01-07-2102	ForeSight Elite medium sensor (≥ 3 kg), 20 sensors/box
01-07-2101	ForeSight Elite small sensor (< 8 kg), 20 sensors/box
01-07-2100	ForeSight Elite non-adhesive small sensor (< 8 kg), 10 sensors/box



ForeSight Elite large sensor
01-07-2103



ForeSight Elite medium sensor
01-07-2102



ForeSight Elite small sensor
01-07-2101



ForeSight Elite non-adhesive small sensor
01-07-2100

Pediatric-specific mode

ForeSight Elite tissue oximetry system has an exclusive pediatric mode that is tailored to account for the individual anatomical differences between neonates, infants, and children. The algorithm also locates and factors out effects of meconium on oximetry readings to deliver accurate oxygen saturation metrics.

Both pediatric sensors feature cushioned patient interfaces to protect delicate skin and CoolLight technology to reduce heat generation and transfer to tissue under the sensor.



References

1. Murphy GS et al. Cerebral oxygen desaturation events assessed by near-infrared spectroscopy during shoulder arthroscopy in the beach chair and lateral decubitus positions. *Anesth Analg* 2010; 111(2):496-5.
2. Fischer, G. W., et al. Noninvasive cerebral oxygenation may predict outcome in patients undergoing aortic arch surgery. *The Journal of Thoracic and Cardiovascular Surgery* 2011; 141(3), 815-821.
3. Davies, D., et al. Choosing a cerebral near-infrared spectroscopy system for use in traumatic brain injury: deriving the ideal source detector layout. *Critical Care* 2014; 18(Suppl 1): 468.

For professional use. For a listing of indications, contraindications, precautions, warnings, and potential adverse events, please refer to the Instructions for Use (consult eifu.edwards.com where applicable). Edwards devices placed on the European market meet the requirements for bearing the CE marking of conformity.

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