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 StO2 measurements using the large sensor

Studies show that desaturations occur in up to 80%2 of certain procedures creating a need for reliable technology to detect them.

Cerebral desaturations can be serious and may lead to complications1,2
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 centimeters

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

<table>
<thead>
<tr>
<th>Previous model numbers</th>
<th>New model numbers</th>
<th>Description</th>
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<tbody>
<tr>
<td>01-07-2103</td>
<td>FSES L</td>
<td>ForeSight Elite large sensor (≥ 40 kg), 20 sensors/box</td>
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<tr>
<td>01-07-2102</td>
<td>FSES M</td>
<td>ForeSight Elite medium sensor (≥ 3 kg), 20 sensors/box</td>
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<td>01-07-2101</td>
<td>FSES S</td>
<td>ForeSight Elite small sensor (&lt; 8 kg), 20 sensors/box</td>
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<tr>
<td>01-07-2100</td>
<td>FSES NS</td>
<td>ForeSight Elite non-adhesive small sensor (&lt; 8 kg), 10 sensors/box</td>
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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

CAUTION: Federal (United States) law restricts this device to sale by or on the order of a physician. See instructions for use for full prescribing information, including indications, contraindications, warnings, precautions and adverse events.

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