KNOW WHEN TO INTERVENE. BECAUSE SECONDS MATTER.

The INVOS™ 7100 cerebral oximetry system is designed to respond quickly — so you can, too

Medtronic
Further, Together

A RELIABLE FIRST ALERT.[1] FOR CONFIDENCE IN YOUR RESPONSE.

Introducing the INVOS™ 7100 system

The more you know about your patients, the better care you can provide.

Cerebral oximetry can play an important role in that care as a valuable "first alert." Because it monitors for hemodynamic changes and deteriorating patient conditions. And a well-protected brain may act as an index organ of how well organs are perfused and oxygenated.[1]

INVOS™ technology meets those clinical demands — and more. In fact, no other cerebral oximetry technology is backed by a comparable volume of published, peer-reviewed clinical research.

Our new **INVOS™ 7100 system** retains that standard-setting functionality — and it's more efficient and flexible than ever. When used in your OR and ICU, it can boost your ability to intervene when your patients need you most. Because seconds matter.

THE CLINICAL REFERENCE STANDARD

More than 600 peer-reviewed publications and several randomized controlled trials have shown that using the INVOS™ system can help reduce:

- Major organ morbidity or mortality[2]
- Renal failure[2]
- Stroke[2,3]
- Post-op cognitive decline[2,4,5]
- Respiratory failure/vent time[3]
- ICU length of stay[2]
- Hospital length of stay[4-6]

THE INDIVIDUALIZED CARE YOUR PATIENTS DESERVE

Normal cerebral saturation levels can vary wildly — from 58 to 82 percent.[2,6,7] That's why the INVOS™ system is engineered to respond to each patient's unique physiology.

The INVOS™ 7100 system uses the observed trend from the individual patient's baseline to help you make decisions. Why does that matter? Because studies have shown that intervening based on a relative drop of cerebral oxygen saturation from baseline can improve patient outcomes.[2,8]

FLEXIBLE.
PORTABLE.
EASY TO USE.

The INVOS™ 7100 system provides the full physiologic perspective — and more

NEXT-GENERATION MONITORING

A refined algorithm and improved sensors deliver enhanced precision and reliability compared to the predicate system.

EASY-TO-USE TOUCH TECHNOLOGY

Simply tap on the screen to mark events as they occur.

DETACHABLE TABLET

Move from one care area to the next, taking saved patient data along in the tablet's memory.

SMALLER-SIZED SENSORS

INVOS™ sensors may be used alongside bispectral (BIS™) monitoring sensors to provide additional information on the brain's condition during surgery and in the ICU.*

*Testing has shown that the (Medtronic) BIS™ level of consciousness monitoring system may be used in conjunction with the INVOS™ system provided that the optical windows on the INVOS™ sensors are not obstructed.

MONITORING FOR THE CARE CONTINUUM

The INVOS™ 7100 system delivers flexibility and ease of use throughout the hospital. It features:

- A portable, tablet-style monitor to keep an eye on patients — wherever they are
- The ability to save, append, and view patient data directly on the device
- Intuitive touch-screen functionality

LEARN MORE.
BECAUSE SECONDS MATTER.

Review the clinical evidence and discover more about the proven performance and reliability of the INVOS™ system.

Visit TrustINVOS.com

1. Based on internal white paper #11-PM-0232(1), Cerebral oximetry is frequently a "first alert" indicator of adverse outcomes. April 2016.
2. Murkin JM, Adams SJ, Novick RJ, et al. Monitoring brain oxygen saturation during coronary bypass surgery: a randomized, prospective study. *Anesth Analg.* 2007;104:51–58.
3. Goldman S, Sutter F, Ferdinand F, Trace C. Optimizing intraoperative cerebral oxygen delivery using noninvasive cerebral oximetry decreases the incidence of stroke for cardiac surgical patients. *Heart Surg Forum.* 2004;7(5):E376–E381.
4. Slater JP, Guarino T, Stack J, et al. Cerebral oxygen desaturation predicts cognitive decline and longer hospital stay after cardiac surgery. *Ann Thorac Surg.* 2009;87(1):36–44.
5. Casati A, Fanelli G, Pietropaoli P, et al. Continuous monitoring of cerebral oxygen saturation in elderly patients undergoing major abdominal surgery minimizes brain exposure to potential hypoxia. *Anesth Analg.* 2005;101(3):740–747.
6. INVOS™ 5100C [owner's manual]. Mansfield, MA: Covidien; 2013.
7. Edmonds HL Jr, Ganzel BL, Austin EH 3rd. Cerebral oximetry for cardiac and vascular surgery. *Semin Cardiothorac Vasc Anesth.* 2004;8(2):147-166.
8. Colak Z, Borojevic M, Bogovic A, Ivancan V, Biocina B, Majeric-Kogler V. Influence of intraoperative cerebral oximetry monitoring on neurocognitive function after coronary artery bypass surgery: a randomized, prospective study. *Eur J Cardiothorac Surg.* 2015;47(3):447-454.

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IMPORTANT: Please refer to the package insert for complete instructions, contraindications, warnings and precautions.

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medtronic.com/covidien/en-gb/index.html