REDUCE COMPLICATIONS. CONTAIN COSTS. IMPROVE OUTCOMES.

Demonstrated benefits of using the INVOS™ regional oximetry system to detect ischemic events.

Medtronic
Further, Together
GET THE INFORMATION YOU NEED — WHEN YOU NEED IT

When it comes to patient safety in the OR, you need reliable, timely, actionable monitoring information to help avoid adverse events and improve patient care. And that’s what you get with the INVOS™ system.

The INVOS™ system alerts you to changes in a patient’s cerebral oxygenation and end organ perfusion, so you can detect events sooner. Detecting events early lets you intervene sooner to reduce postoperative complications, which is key to improving patient outcomes and reducing the cost of care.

DETECT EVENTS SOONER

Up to 75 percent of high-risk patients experience cerebral desaturation events during cardiac surgery.¹ These events can lead to serious patient complications.

The INVOS™ system:
• Provides a continuous, noninvasive measure of cerebral oxygenation and local tissue perfusion. Giving you an indication of hemodynamic changes impacting cerebral perfusion and oxygenation.

REDUCE PATIENT COMPLICATIONS

Monitoring end-organ oxygenation helps you detect hypoxic-ischemic events earlier — and intervene earlier. Being able to curtail the progression of ischemic events that lead to injury may help you reduce patient complications. Studies have shown that cerebral desaturation events are reversible with standard clinical interventions.¹,⁵,⁶

The INVOS™ system:
• Provides a real-time indication of site-specific oxygenation and the adequacy of perfusion.⁷ This objective measure of oxygenation and perfusion helps you intervene in more precise, directed ways.
• Helps you avoid hypoxic-ischemic events by giving you a first alert to changes in oxygen delivery and blood flow.²

More benefits for patients

Numerous patient benefits have been reported in more than 600 peer-reviewed publications and multiple randomized controlled trials using the INVOS™ system. Including reductions in:
• Major organ morbidity or mortality⁹
• Renal failure¹
• Stroke³
• Postop cognitive decline⁹
• Respiratory failure/vent time⁸
• Adverse surgical events¹⁰
• ICU length of stay⁹
• Hospital length of stay¹¹
IMPROVE OUTCOMES

INVOS™ technology is proven to reduce events that lead to postoperative complications and prolong patient recovery. The benefits of using the INVOS™ system have been documented in multiple clinical studies:

- Monitoring cerebral rSO₂ in coronary artery bypass patients avoids profound cerebral desaturation and is associated with significantly fewer incidences of major organ dysfunction.
- Intraoperative cerebral oximetry monitoring and interventions performed to correct cerebral rSO₂ desaturation have resulted in a better cognitive outcome of CABG patients. And prolonged cerebral desaturation during operations is an important predictor of cognitive decline.

The INVOS™ system:

- May help you improve outcomes by helping you avoid hypoxic ischemic events and reduce postoperative complications
- Gives you the actionable information you need to intervene in a timely way to avoid complications and improve patient outcomes
- Has been associated with significantly lower morbidity and mortality following cardiac surgery
- Is the only cerebral/somatic oximeter with a claim for improved outcomes after cardiac or major general surgery in patients weighing more than 2.5 kg (5.5 lbs)

REDUCE THE COST OF CARE

Avoiding surgical and postoperative complications that can lead to additional procedures, longer ICU and hospital stays, and readmissions can help you reduce the cost of care. Slater et al concluded that “intraoperative cerebral oxygen desaturation is significantly associated with an increased risk of cognitive decline and prolonged hospital stay after CABG [coronary artery bypass grafting].”

Another key to reducing costs: using monitoring systems that help you build efficiencies into surgical and postoperative care.

The INVOS™ system:

- Can help you reduce costs by giving you the alerts you need to intervene sooner and lower the chances of costly complications
- Helps you build process efficiencies by providing reliable, noninvasive, continuous measurement of cerebral oxygenation and local tissue perfusion

That’s the INVOS™ regional oximetry system. Helping you detect events sooner, reduce complications, improve outcomes, and reduce the cost of care.

LEARN MORE

To review clinical evidence and learn more about the proven benefits of the INVOS™ system, visit TrustINVOS.com

2. Avery EG. Cerebral oximetry is frequently a “first alert” indicator of adverse outcomes. Medtronic white paper 2010.


13. FDA 510(k) K082327.


Photo credits: Thinkstock and Getty Images

© 2017 Medtronic. All rights reserved. Medtronic, Medtronic logo and Further. Together are trademarks of Medtronic. All other brands are trademarks of a Medtronic company.

10/2017–17-PM-0147–[WF#2005718]