

BIS™ Advance monitor

Perfecting your art. Advancing patient care.

Enhanced Recovery after Surgery guidelines
help optimize outcomes^{1,2}



New paradigm. Evidence-based.

You want the best possible outcomes for your patients during and after surgery. It's your mission. It's your art. A protocol supporting the adaptation of Enhanced Recovery after Surgery provides multiple evidence-based guidelines that can help you maximize patients' health before, during, and after surgery.^{1,2}

One of the key protocols is an evidence-based approach to fluid management throughout the perioperative journey. This includes encouraging oral fluid intake and discontinuing IV fluids as soon as possible.³ Other tenets of the multi-modal guidelines include minimizing opioid pain management and encouraging early mobility post surgery.¹

A protocol supporting the Enhanced Recovery after Surgery guidelines is associated with improved outcomes such as:

- Shorter length of stay^{1,2}
- Fewer complications^{1,2}
- Earlier return of gastrointestinal function^{1,2}
- Reduced costs^{1,2}
- Lower incidence of postoperative delirium⁴

All without higher readmission or mortality rates^{1,2}



BIS™ technology

**The market leader
in processed EEG
solution for depth
of anesthesia**

Studies show that using less anesthetic agent improves outcomes:

- When using TIVA anesthetic approach^{5,6}
- When following Enhanced Recovery after Surgery protocols^{5,6}
- In elderly patient populations at risk for postoperative neurocognitive disorders (brain monitoring is recommended in multiple society guidelines⁵⁻⁹)

Personalize anesthesia. Improve outcomes.

Many of Enhanced Recovery after Surgery Society guidelines recommend using anesthetic depth monitoring, namely Bispectral Index™ (BIS™) monitoring, to avoid complications associated with too much or too little anesthesia.³ With its validated algorithm, BIS™ monitoring accurately reflects the anesthetic effect on your patient's brain, empowering you to personalize dosing.

- Reduce primary anesthetic delivery by as much as 38%¹⁰
- Improve emergence and recovery times¹⁻⁶
- Promote faster wake-up, recovery, and discharge from the PACU¹¹
- Reduce postoperative delirium up to 29%¹⁻⁶



BIS™ Advance monitor

Easy to use. Easy to configure.

With a simple, configurable interface, the next-generation BIS™ Advance monitor is engineered to help make your workflow more efficient and help optimize anesthesia dosing to improve patient outcomes. The completely redesigned BIS™ Advance monitor gives you:



- A large, high-resolution, touchscreen monitor that's simple to read
- Configurable data and settings so you can see just the information you want
- Color-coordinated data to quickly review readings
- The ability to track total suppression time detected during the procedure
- Built-in troubleshooting guides with information on clinical parameters and data significance

To request a full clinical demo of the BIS™ Advance monitor, contact your Medtronic representative.

Easy output. Easy to move.

The BIS™ Advance monitor is engineered to help make your workflow more efficient while giving you the insight you need.

- Save time with data output protocols that enable connectivity to electronic medical records (EMRs)
- Maintain continuous monitoring when moving between care settings



The BIS™ monitoring system should not be used as the sole basis for diagnosis or therapy and is intended only as an adjunct in patient assessment. Reliance on the BIS™ monitoring system alone for intraoperative anesthetic management is not recommended.

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3. Feldheiser A, Aziz O, Baldini G et al. Enhanced Recovery After Surgery (ERAS) for gastrointestinal surgery, part 2: consensus statement for anaesthesia practice. *Acta Anaesthesiol Scand.* 2015;60(3):289-334. doi:10.1111/aas.12651
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7. Nunes R, Fonseca N, Simões C., et al. Brazilian consensus on anesthetic depth monitoring. *Braz J Anesthesiol.* 2015;65(6):427-436. doi: 10.1016/j.bjane.2015.10.001.
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Important: Please refer to the package insert for complete instructions, contraindications, warnings and precautions.

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