

BIS™ monitor for the ICU

Personalized dosing. Optimized care.

Improve patient outcomes with
patient-centric monitoring.



Patients are unique. Dosing should be too.

Every patient has unique needs. And in the ICU, the right amount of sedation depends on many individual factors. If you rely on routine monitoring alone, oversedation or undersedation may occur, which can each have negative consequences.

Oversedation

- Patient unable to participate in care¹
- Longer time on mechanical ventilation¹
- Longer length of stay in ICU¹
- Increased hospital cost¹
- Risk of delirium¹

Undersedation

- Anxiety and agitation²
- Risk of recall/awareness of unpleasant events²
- Patient safety²
- Staff safety²

The Bispectral Index (BIS™) monitor can help you provide just the right dose for each patient so you can feel confident you're providing the highest level of care.

Sedate with insight.

The BIS™ monitor provides a direct measure of sedative effects on the brain. And while it's most beneficial for patients who are chemically paralyzed or moderately to deeply sedated, it also helps inform for an objective assessment of sedation during:

- Mechanical ventilation
- Barbituate coma
- Bedside procedures
- Neuromuscular blockade

Used in conjunction with other monitoring protocols, the BIS™ monitor is an objective assessment tool that helps you ensure your patient is comfortable. Manage complex pain, agitation, and delirium issues, improve emergence and recovery times,^{3,4,5,6} and optimize patient outcomes.



Easy to use. Easy to interpret.

- Simply place a noninvasive sensor on the patient's forehead
- Easily set it up wherever you need to provide continuous care
- Get up and running quickly with easy training
- Spot trends to identify the best level for each patient
- View an objective number you can trust
- Let the algorithm do all the work



Care with confidence.

The BIS™ monitor helps you monitor the impact of sedation on each patient – especially during deep sedation when sedative scales can't be used. Using this information in real time, you can quickly mitigate negative side effects by adjusting sedation in tiny increments to achieve just the right dosage.

Peace of mind for ICU nurses.

Bedside nurses found the BIS™ monitor to be:

- Easy to use⁷
- Easy to interpret with BIS™ values⁷
- A helpful tool for communicating the patient's comfort level to their family⁷

Helps prevent postoperative issues.

The BIS™ monitor can be helpful in preventing postoperative issues, like delirium, PTSD, sleep disruption, and cognitive impairment.^{10,11} So you can feel confident in providing the best care.



Research shows that nurses feel more confident in their titration practices when using the BIS™ monitor, especially when used with a neuromuscular blockade.^{8,9}



Learn more at [Medtronic.com/BISinICU](https://www.medtronic.com/BISinICU) or contact your Medtronic representative today.

Sedation insight for specific patient populations.



Targeted Temperature Management (TTM)

BIS™ monitoring may help guide sedation practices during shivering management for patients undergoing TTM.¹²

Acute Respiratory Distress Syndrome (ARDS)

BIS™ monitoring may help guide sedation practices in patients with ARDS who are undergoing neuromuscular blockade with or without proning.¹³

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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