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 care\(^1\)
- Longer time on mechanical ventilation\(^1\)
- Longer length of stay in ICU\(^1\)
- Increased hospital cost\(^1\)
- Risk of delirium\(^1\)

### Undersedation
- Anxiety and agitation\(^2\)
- Risk of recall/awareness of unpleasant events\(^2\)
- Patient safety\(^2\)
- Staff safety\(^2\)

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.
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.

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

Peace of mind for ICU nurses.

Bedside nurses found the BIS™ monitor to be:
- Easy to use
- Easy to interpret with BIS™ values
- A helpful tool for communicating the patient’s comfort level to their family

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

Helps prevent postoperative issues.

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

Learn more at 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.\textsuperscript{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.\textsuperscript{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.