PROVEN OUTCOMES WITH BIS™ MONITORING

Reducing risk for your patients. We understand the challenges.

BIS™ monitoring helps you tailor anesthetic dosing more precisely. Maintaining BIS™ monitoring values in the range of 40 to 60 by adjusting anesthetic levels and administration may have benefits including:

**Patient-specific drug titration**

Studies show a reduction in anesthetic drug use for patients monitored with BIS™ technology specifically:

- BIS™ monitoring enabled a 50% reduction in propofol administration during hypothermic cardiopulmonary bypass.¹

- For asleep-awake craniotomy surgical procedures, where titratable anesthesia is preferred to facilitate more predictable intraoperative wake-up, BIS™ monitoring can provide further information to guide drug administration and predict responsiveness.²

**Improved emergence, recovery and discharge**

Optimal anesthetic administration minimizes side effects and postoperative complications. Studies show that patients whose anesthetic dosing was guided by BIS™ monitoring experienced:

- Faster extubation³,⁴
- Faster emergence³
- Better orientation at the Post-Anesthesia Care Unit (PACU)³
- Faster discharge³,⁴

**Lowered incidence of intraoperative awareness**

With TIVA procedures, the incidence of awareness can be 5 to 10 times greater than with inhaled anesthetics as a result of the short-acting nature of some intravenous anesthetics used.³

When using BIS™ monitoring, the incidence of awareness is approximately 80% lower compared to routine care in TIVA, inhaled and balanced anesthesia patients.⁶,⁷,⁸

**Reducing the risk of postoperative delirium**

Postoperative delirium is common. Across all surgical procedures requiring anesthesia, 37% to 46% of patients are affected by postoperative delirium.⁹ Risk increases up to 87% depending on the age of patients and the type of surgery.⁹

Monitoring the depth of anesthetic dosing with brain function monitoring may decrease the rate of postoperative delirium in certain patients.³,⁵

References


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