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New BIS™ Advance monitor coming to the market to help anesthesia providers personalize anesthesia dosing and improve patient outcomes[1-5]

Medtronic plc, a global leader in healthcare technology, announces U.S. Food and Drug Administration (FDA) 510(k) clearance for the BIS™ Advance monitor.

The new BIS™ Advance monitor delivers the clinically validated BIS™ algorithm with a completely redesigned interface that is easy to configure and use. Medtronic is planning to commercialize this device in the U.S. in the next few months.

Precision in anesthesia dosing is imperative during surgical procedurals, as too much or too little anesthesia can negatively affect patient outcomes. Continuing to leverage the validated BIS™ algorithm, the new BIS™ Advance monitor reflects the anesthetic effect on a patient's brain, empowering anesthesia providers to tailor dosing to individual patient requirements.

Brain monitoring is recommended in multiple society guidelines for its benefits in improving patient outcomes related to enhanced recovery after surgery,[6-8] total intravenous anesthesia (TIVA) procedures,[9,10] and postoperative delirium.[9,11-13]As the market leader in processed EEG technology for depth of anesthesia monitoring, BIS™ technology provides meaningful insights which empowers clinicians to:

- Reduce anesthetic agent usage[1,3,5]
- Improve emergence and recovery time[2,5]
- Decrease postoperative delirium by up to 29% for better patient outcomes[4]

The BIS™ Advance monitor makes personalizing anesthesia easier. The large, high-resolution touchscreen monitor is simple to read with configurable data and settings so clinicians can see just the information they want. Plus, color-coordinated data lets clinicians quickly review readings.

“We are steadfast in our commitment to delivering anesthesia monitoring innovations to help clinicians keep patients safe,” said Frank Chan, president of the Acute Care & Monitoring business within the Medical Surgical Portfolio at Medtronic. “Innovations like the BIS™ Advance monitor makes personalized anesthesia dosing easier so clinicians can focus on what matters most – their patients.”

For more details and media assets, please visit our media kit.

Any forward-looking statements are subject to risks and uncertainties such as those described in Medtronic's periodic reports on file with the Securities and Exchange Commission. Actual results may differ materially from anticipated results.

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