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# Medtronic showcases AiBLE™ ecosystem advances at North American Spine Society's (NASS) 40th Annual Meeting

Medtronic plc, a global leader in healthcare technology, will highlight the latest advances in the AiBLE™ ecosystem at the North American Spine Society (NASS) 40th Annual Meeting in Denver, November 14-16.

AiBLE™ is Medtronic's smart ecosystem of technology, AI, data, and services that delivers predictability before, during, and beyond spine and cranial surgery. It enables surgeons to optimize every aspect of care for patients – from personalized predictive planning to precise execution and postoperative analysis – and is helping redefine standards of precision and consistency in surgery.

"I am a strong advocate for precision medicine in the treatment of adult deformity patients. Each component of the AiBLE™ ecosystem plays a vital role in designing, executing, and monitoring a personalized and precise plan tailored to the unique needs of every patient," said Brian J. Neuman, MD, Chief of Spine Division and Professor of Orthopaedic Surgery at Washington University, and Medtronic consultant. Dr. Neuman was one of the first surgeons to perform a procedure integrating the Siemens Healthineers Multitom Rax™ imaging system combined with multiple components of the AiBLE™ ecosystem. This included AI-driven planning with UNiD™ and precision intraoperative execution with Mazor™ Robotic Guidance System and O-arm™ imaging, demonstrating the power of closing the patient care loop with AiBLE™.

"The AiBLE™ ecosystem brings together all the critical components needed for true precision spine care – from planning, to execution, to monitoring. And this is just the beginning. Medtronic is clearly leading the way in how precision spine care will continue to evolve," said Dr. Neuman.

Building upon nearly 50 years of combined experience in surgical navigation and spinal robotics with tens of millions of patients treated, Medtronic is the only company to offer a complete surgical ecosystem that integrates advanced preoperative and postoperative capabilities – such as AI-driven planning and outcome analysis – with core intraoperative technologies including imaging, navigation, and robotics for the care and treatment of patients undergoing spine surgery. It also offers advanced, AI-driven prediction, planning and patient personalization, based on data from thousands of procedures captured by Medtronic's UNiD™ Adaptive Spine Intelligence (ASI) platform. To date, there are more than 40,000 global patient cases in UNiD™, making it the largest surgical planning database for spine surgery. In the U.S. alone, Medtronic partners with surgeons to plan over 1,000 cases

every month.

“With more than 10,000 installations worldwide, AiBLE™ connects pre-operative planning, intra-operative technologies and post-operative insights to help surgeons improve efficiency and precision while creating more consistent, personalized care for patients,” said Michael Carter, Senior Vice President and President of the Cranial and Spinal Technologies business, which is part of the Medtronic Neuroscience Portfolio. “We continue to evolve the AiBLE™ ecosystem to meet the needs of surgeons and advance care for their patients. We see a future where it connects every step of care, adapts to each patient, and continuously learns to make surgery smarter, safer, and more seamless.”

#### **Visit Medtronic at NASS 2025, Booth #604**

Attendees can experience hands-on demonstrations of the AiBLE™ ecosystem, connect with clinical experts, and explore Medtronic’s full cranial and spine portfolio.

#### **About the Cranial & Spinal Technologies Business at Medtronic**

As the market leader, Medtronic is transforming the standard of care in spine and cranial surgery worldwide by putting patients first and solving complex conditions for spine and neurosurgeons. With 150 products covering more than 20 pathologies, we serve over 4 million patients annually. Continuing our legacy of innovation, the AiBLE™ ecosystem is the culmination of everything Medtronic has built in Cranial & Spinal Technologies over the past two decades. By integrating advanced technologies and a patient-centric approach, we provide a customizable health solution for the primary challenges in cranial and spine surgery: the need for increased predictability and precision, more efficient workflows, and better surgical outcomes. For more information, visit [www.Medtronic.com/AiBLE](http://www.Medtronic.com/AiBLE) and follow CST on [LinkedIn](#).

#### **About Medtronic**

Bold thinking. Bolder actions. We are Medtronic. Medtronic plc, headquartered in Galway, Ireland, is the leading global healthcare technology company that boldly attacks the most challenging health problems facing humanity by searching out and finding solutions. Our Mission – to alleviate pain, restore health, and extend life – unites a global team of 95,000+ passionate people across more than 150 countries. Our technologies and therapies treat 70 health conditions and include cardiac devices, surgical robotics, insulin pumps, surgical tools, patient monitoring systems, and more. Powered by our diverse knowledge, insatiable curiosity, and desire to help all those who need it, we deliver innovative technologies that transform the lives of two people every second, every hour, every day. Expect more from us as we empower insight-driven care, experiences that put people first, and better outcomes for our world. In everything we do, we are engineering the extraordinary. For more information on Medtronic, visit [www.Medtronic.com](http://www.Medtronic.com) and follow Medtronic on [LinkedIn](#).

**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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