GE HealthCare unveils ultra-premium, high-performance gradient 1.5T MRI system

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- SIGNA™ Sprint, a new wide bore 1.5T MRI scanner, is designed to provide power previously unattainable at 1.5T, for clarity in cardiology and oncology imaging
- Advanced high-performance gradient technology leverages built-in AI solutions designed to enable clear, fast imaging for improved workflow

HONOLULU--(BUSINESS WIRE)--May 12, 2025-- GE HealthCare (Nasdaq: GEHC) today unveiled SIGNA™ Sprint, an FDA 510(k) pending[1] ultra-premium wide bore 1.5T high-performance gradient MRI system, at the International Society for Magnetic Resonance in Medicine (ISMRM) 2025. This innovative technology is designed to unlock advanced imaging possibilities in cardiology, oncology and other clinical and research areas.

The need for advanced diagnostics in cardiology and oncology continues to grow, with cardiovascular disease accounting for 32% of global deaths,[2] and cancer accounting for nearly 10 million deaths per year.[3] Meeting this demand with advanced MRI technologies has the potential to make significant impact for cardiology and oncology patients.

With the goal of delivering higher gradient benefits previously attainable on only 3.0T systems, SIGNA Sprint is designed to offer high-performance scanning made simple at 1.5T, with exceptional diffusion imaging, a critical tool in oncology diagnosis and treatment planning. SIGNA Sprint is also designed to equip clinicians and researchers with the ability to expand the current 1.5T boundaries, aiming to enable fast clinical translation and pioneering research.

SIGNA Sprint, with a high-gradient performance of 65/200 per axis for fast imaging and exceptional image quality, is designed to deliver crystal-clear visualization of sub-millimetric structures and deep learning solutions to support diagnostics and treatment response monitoring in oncology patients. This new system supports clinicians' shift to quantitative MRI and a deeper understanding of tissue characteristics, going beyond basic assessment of anatomy. The adoption of deep-learning reconstruction techniques for accelerated cardiac MRI aims to reduce the time and expertise needed to interpret scans and drive consistency and reliability.

"We are driven to push the boundaries of what's possible in MRI with our ultra-premium segment, as our goal is to set a new standard in diagnostic research and precision care that allows for earlier clinical detection and treatment response," said Kelly Londy, CEO, MR, GE HealthCare. "We are working to enhance diagnostic capabilities to provide highly accurate imaging with peace of mind for patients. We hope to help clinicians unlock new horizons for research in advanced imaging."

SIGNA Sprint also is designed to optimize patient comfort, providing a 70cm wide bore space, free-breathing capabilities, and blanket-like AIR ™ Coils to improve the patient experience. This next-generation, high-performance platform is designed to benefit from built-in AI technologies – AIR™ Recon DL, Sonic DL™ and AIR x™ – which enable high-quality imaging even in the most demanding anatomies. SIGNA Sprint aims to support clinician goals of providing precision care through the entire care pathway, from the early diagnostic stage to treatment monitoring.

Latest in MRI advancements to be showcased at ISMRM

GE HealthCare also will showcase the latest advancements in MRI technologies at ISMRM, including:

- **SIGNA™ MAGNUS:** A head-only MR scanner designed to support high resolution, high signal-to-noise ratio, diffusion-weighted imaging, and short scan times. GE HealthCare has demonstrated leadership in high-performance gradient technology with the introduction of HyperG gradients, one of the most efficient gradient coils on the market[4].
- **Sonic DL™ 3D:** Designed to accelerate MRI scans across a wide range of clinical applications, Sonic DL for 3D[5] builds on GE HealthCare's deep learning innovation legacy and the success of AIR Recon DL, which has helped more than 50 million patients to date.
- **Freelium™**: a helium-free sealed[6] magnet platform in development, aims to dramatically reduce liquid helium usage without sacrificing power efficiency, operational security and clinical performance.

Learn more about SIGNA Sprint and other GE HealthCare MRI technologies at the International Society for Magnetic Resonance in Medicine through May 15, in Honolulu, Hawaii, or visit online at gehealthcare.com.

About GE HealthCare Technologies Inc.

GE HealthCare is a trusted partner and leading global healthcare solutions provider, innovating medical technology, pharmaceutical diagnostics, and integrated, cloud-first AI-enabled solutions, services and data analytics. We aim to make hospitals and health systems more efficient, clinicians more effective, therapies more precise, and patients healthier and happier. Serving patients and providers for more than 125 years, GE HealthCare is advancing personalized, connected and compassionate care, while simplifying the patient's journey across care pathways. Together, our Imaging, Advanced Visualization Solutions, Patient Care Solutions and Pharmaceutical Diagnostics businesses help improve patient care from screening and diagnosis to therapy and monitoring. We are a $19.7 billion business with approximately 53,000 colleagues working to create a world where healthcare has no limits.

GE HealthCare is proud to be among 2025 Fortune World's Most Admired Companies™.

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[1] SIGNA™ Sprint is 510(k) pending at US FDA. Not yet CE marked. Not available for sale in any region.

[2] World Health Organization(2025). CVDs statistics and treatment. World Health Organization. Retrieved from https://www.who.int/news-room/fact-sheets/detail/cardiovascular-diseases-(cvds)

[3] World Health Organization. (2025). Cancer statistics and treatment. World Health Organization. Retrieved from https://www.who.int/news-room/fact-sheets/detail/cancer

[4] SIGNA™ MAGNUS is 510(k) cleared with the FDA. Not CE Marked. Not available for sale in all regionsGE HealthCare data on file.

[5] Sonic DL for 3D is 510(k) pending at the US FDA. Not yet CE Marked. Not available for sale in all regions.

[6] Helium-free: Helium is permanently enclosed in the magnet. Technology in development that represents ongoing research and development efforts. Not for sale. Not CE marked. Not cleared or approved by the US FDA or any other global regulator for commercial availability.

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