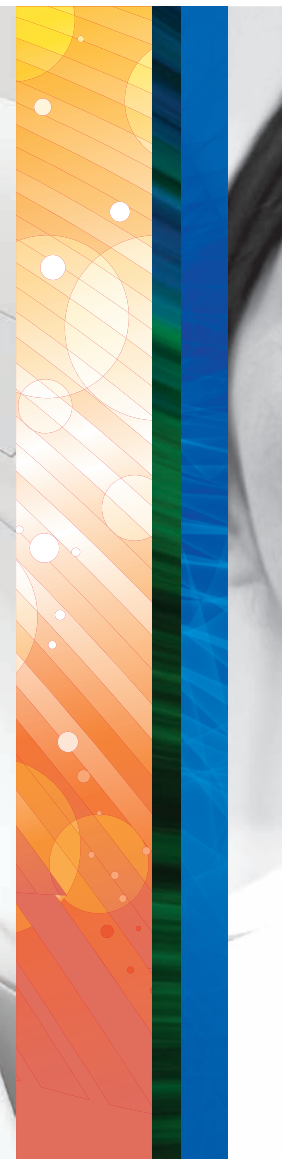


GE Healthcare

SIGNA™ Creator

Propel your imaging abilities into the future.





Leap ahead

and create your future in imaging.

Meet SIGNA Creator, named for its ability to help you create a new diagnostic future.

Built with the DNA of SIGNA, the pioneer of MR systems, SIGNA Creator packs the diagnostic punch of leading-edge MR technology. It covers an impressive range of applications and delivers excellent image quality and patient comfort, whilst improving workflow and keeping total cost of ownership low.

Get ready to experience an extraordinary foundational MR system that will open a whole new world of opportunity.



Revolutionize

your clinical potential. _____

Redefine your clinical offering with the formidable power of SIGNA Creator. This system allows you to cover virtually all patient types and clinical areas while delivering consistently excellent images.

- Our proven, highly homogeneous magnet consistently delivers high quality images across a larger FOV than most other MR systems.
- OpTix Optical RF technology offers high quality analog to digital signal conversion and can provide a gain in SNR of up to 27% over conventional analog signal receivers, improving image quality and clinical confidence.

CXK4 Magnet

Our proven, highly homogeneous magnet

Technology for high magnetic homogeneity = ①+②



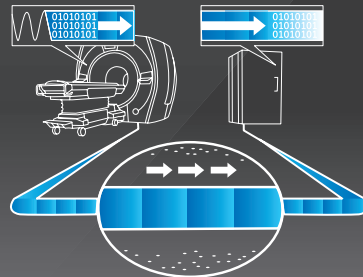
① Passive Shim

magnetic field correction involving the use of ferromagnetic materials

② 18ch Superconducting shim coil

Computed shimming with super conducting shim coil.

OpTix Optical RF Technology



REDUCE THE IMPACT OF NOISE



- SIGNA Creator's range of advanced applications enables you to discover new dimensions of clinical performance. The "eyes to thighs" portfolio of applications gives you neuro performance with automated motion correction, MSK performance with cartilage mapping, Multi-planar body imaging with quantitative capabilities, and vascular performance with non-contrast and automated time-resolved imaging.

SIGNA Creator brings you tomorrow's imaging capabilities today.

SIGNA Creator: Propel your clinical experience into the future.

A sagittal MRI scan of the spine, showing the vertebrae and the spinal cord. The image is in grayscale and shows a clear view of the spine's structure.

Clinical power of

SIGNA Creator

Needle Free Applications

GE Healthcare MR is focused on the patient and making MR exams as friendly and comfortable as possible and focused on non-invasive and minimally invasive scan techniques. Needle Free Applications enable this by removing the need for contrast in many exams, and deliver a more comfortable exam experience for the patient, and reliable exam and results for the clinician.

Large FOV spine
2 Stations
T2 IDEAL Sagittal

Motion Free Applications

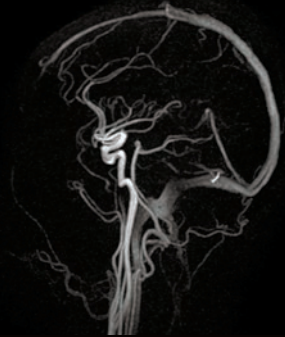
Movement of patients is one of the biggest challenges in scanning and consistent imaging performance. Also, for the geriatric and pediatric patients, it is very challenging to remain still during an exam. GE Motion Free imaging techniques were developed to effectively address and overcome this challenge to enable consistent and easy methods to scan your patients, even in the presence of patient motion.

Volume Applications

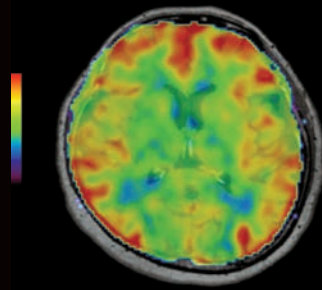
SIGNA Creator has multiple 3D Volume Applications, which enable you to acquire high resolution images. The advantages of 3D Volume Applications include rapid volume imaging of thin contiguous slices with high SNR without crosstalk interference.



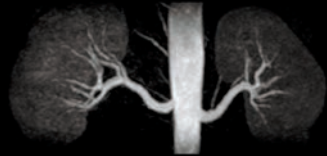
Brain MR Angiography
3D TOF



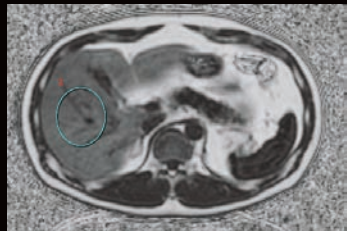
Brain MR Angiography
Inhance 3D Velocity



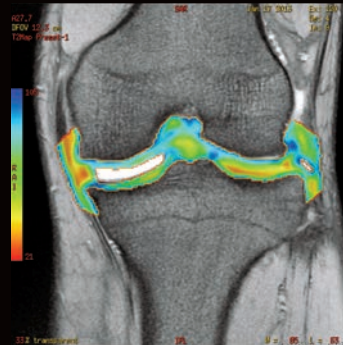
Brain non contrast MR Perfusion
3D ASL
(Fused with T1w by AW)



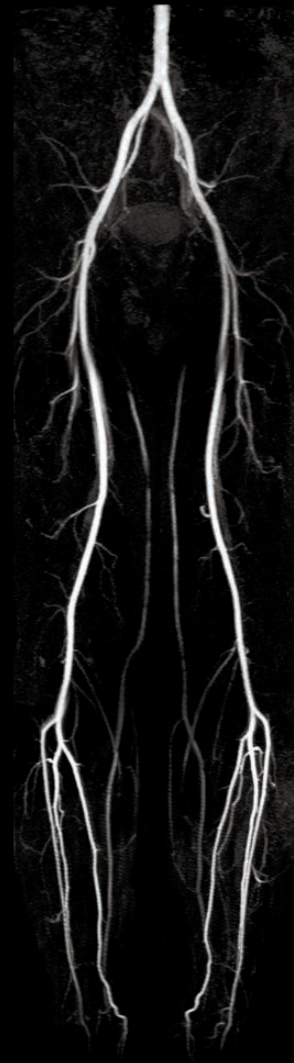
Renal MR Angiography
Inhance Inflow IR



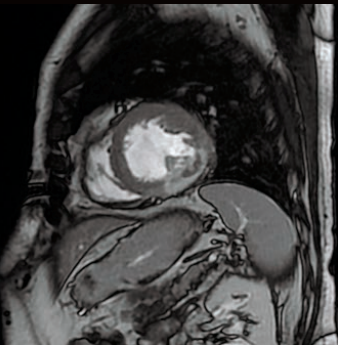
Liver Fat Fraction (Fatty liver: 34%)
IDEAL IQ



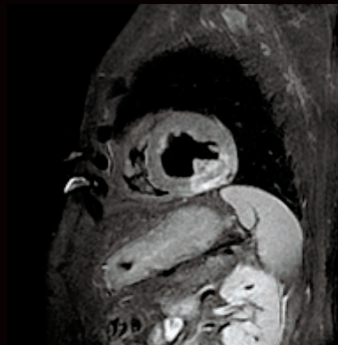
Knee
T2 mapping
(Fused with T2*w by AW)



lower extremity MR Angiography
Inhance 3D Deltaflow
3 stations



Cardiac Cine
FIESTA



Cardiac T2w FatSat
Black Blood

Needle Free Applications

Inhance

To help visualize arterial and venous flow with an advanced array of powerful and robust pulse sequences without contrast injection.

It has following 3 sequences.

- Inhance 3D Velocity
- Inhance Inflow IR
- Inhance 3D Deltaflow

3D ASL

The Non contrast MR Perfusion technique.

A GE-pioneered pCASL method helps generate more signal and improve contrast.

Additionally 3D FSE with spiral readout further helps increase SNR, while minimizing motion and reducing susceptibility artifacts.

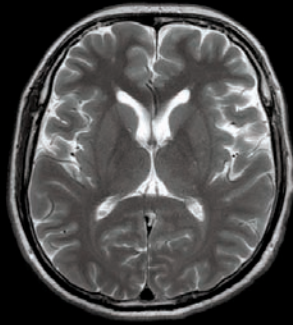
IDEAL IQ

Delivering whole liver 3D coverage in a single breath-hold, IDEAL IQ provides a non-invasive, quantitative assessment of triglyceride fat content in the liver that can aid in diagnosing steatosis.

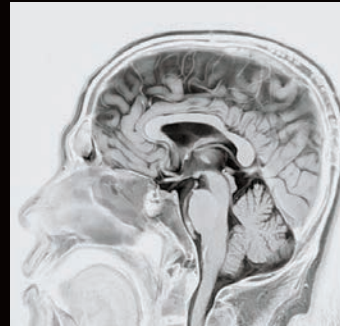
Motion Free Applications

PROPELLER 3.0

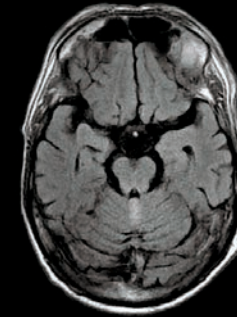
PROPELLER 3.0 is designed to reduce the effect of patient voluntary and physiologic motion (breathing, flow, peristalsis), and reduce the distortion (magnetic susceptibility artifacts) of DWI. It helps generate consistently good, diagnostic quality images even for challenging patients and difficult-to-image anatomies.



Brain T2w
PROPELLER 3.0



Brain T2w
PROPELLER 3.0



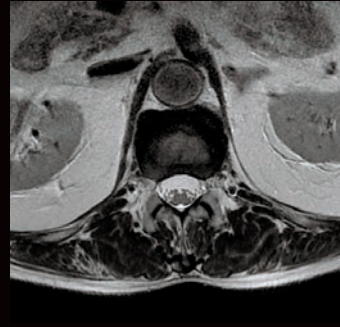
Brain FLAIR
PROPELLER 3.0

Body Navigator

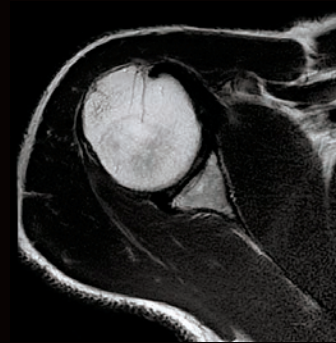
Designed to allow for free breathing, motion-controlled acquisitions. DWI, MRCP, T1 and T2 high-resolution images are scanned without a breath hold, and routine liver imaging is performed in less than 15 minutes.



C-spine T2w
PROPELLER 3.0



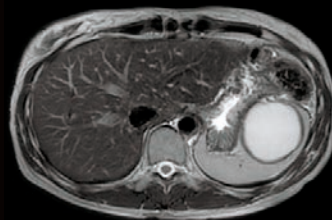
L-spine T2w
PROPELLER 3.0



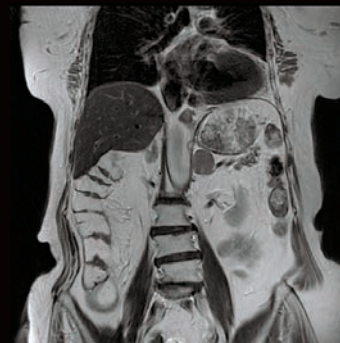
Shoulder T2w
PROPELLER 3.0

LAVA-Flex

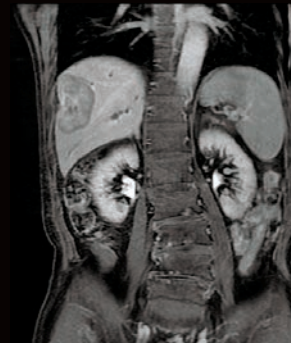
LAVA Flex is a 3D imaging technique that generates water-only, fat-only, in-phase and out-of-phase echoes in one single acquisition that is typically completed in one 20 second breath-hold. This technique provides excellent homogeneous fat suppression over the entire field of view, including areas that are difficult to image using conventional fat suppression, due to magnetic susceptibility effect.



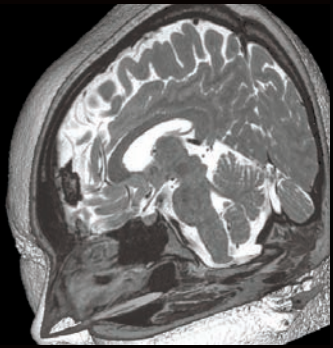
Abdomen T2w
PROPELLER 3.0



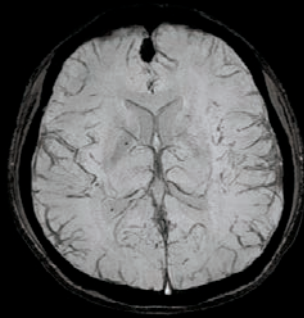
Abdomen T2w
PROPELLER 3.0



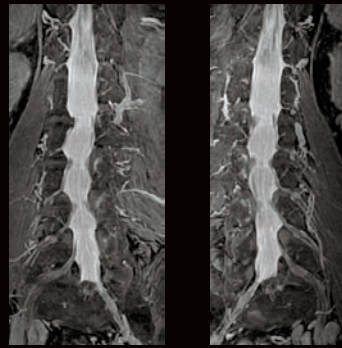
Abdomen 3D T1w FatSat
LAVA-FLEX with Navigator



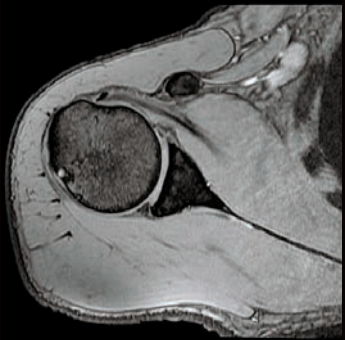
Brain 3D T2w
Cube 2.0



Brain 3D Susceptibility weighted
SWAN 2.0



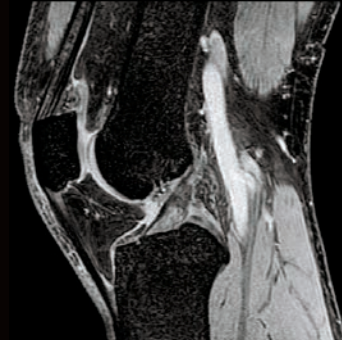
Spine 3D MR myelography
COSMIC



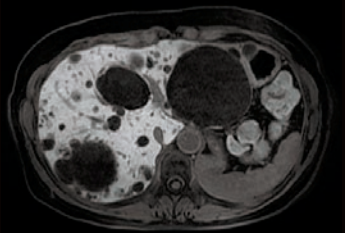
Shoulder 3D T2*w
MERGE



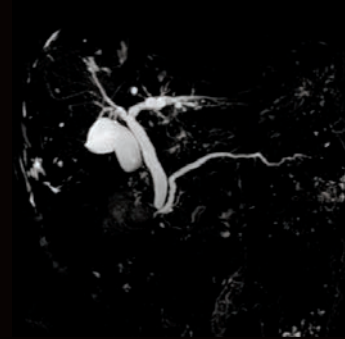
Wrist 3D T2*w
MERGE



Knee 3D T2*w
MERGE



Abdomen 3D T1w FatSat
LAVA



3D MRCP
with Navigator



Breast 3D T1w FatSat
VIBRANT

Volume Applications

Cube 2.0

Cube 2.0 replaces several 2D slice acquisitions with one single 3D volume scan. Able to scan high resolution T2w, T1w, PDw, and T2 FLAIR. Sub-millimeter isotropic Cube volume data can be easily reformatted into any plane—without gaps, and with the same resolution as the native plane. And you'll appreciate the high tissue contrast.

3D MERGE

MERGE uses multiple echoes to generate high-resolution images with excellent gray-white matter differentiation. It's designed to deliver enhanced contrast and SNR for musculoskeletal and spine imaging.

VIBRANT

It's a technique for simultaneous, high-definition fat-suppressed bilateral breast imaging in axial and sagittal scan planes. Dual-shim volumes support for homogeneous fat suppression.

SWAN 2.0

SWAN helps clearly delineate small blood vessels, microbleeds, and large vascular structures in the brain. SWAN is also designed to visualize iron and calcium deposits.

3D COSMIC

This is the 3D Volume imaging technique to improve the CNR and SNR of tissues which has low T2/T1, such as muscles and cartilages.



Transform

your workflow and throughput. _____

Experience extraordinary workflow efficiency with SIGNA Creator and realize the advantage as compared to conventional imaging technology.

Its intuitive plug-and-play-like tools simplify access to its wide range of MR capabilities, to produce uniform, high-quality images. For example, the Express Suite coil design achieves outstanding coverage and signal penetration, and the automatic coil selection helps enable quick and consistent exams.

Robust applications not only give you consistent, excellent imaging performance, but also helps to improve workflow. Motion correction techniques like PROPELLER help minimize the effects of motion artifacts, potentially reducing the need for rescans and the impact of patient movement on workflow.



Express Suite coils



Head Neck Unit



Posterior Array Coil (embedded)



4ch Flex Coil



Anterior Array coil

Volumetric imaging acquisitions like Cube replace cumbersome, slice-by-slice, plane-after-plane 2D acquisitions with a single 3D volume scan. Additional time-savers include READY Brain, an automated brain exam even non-expert MR users can operate, and simplified whole body diffusion imaging with eDWI in as little as 7 minutes.

Combine these user-friendly tools and innovative applications, and you can optimize throughput.

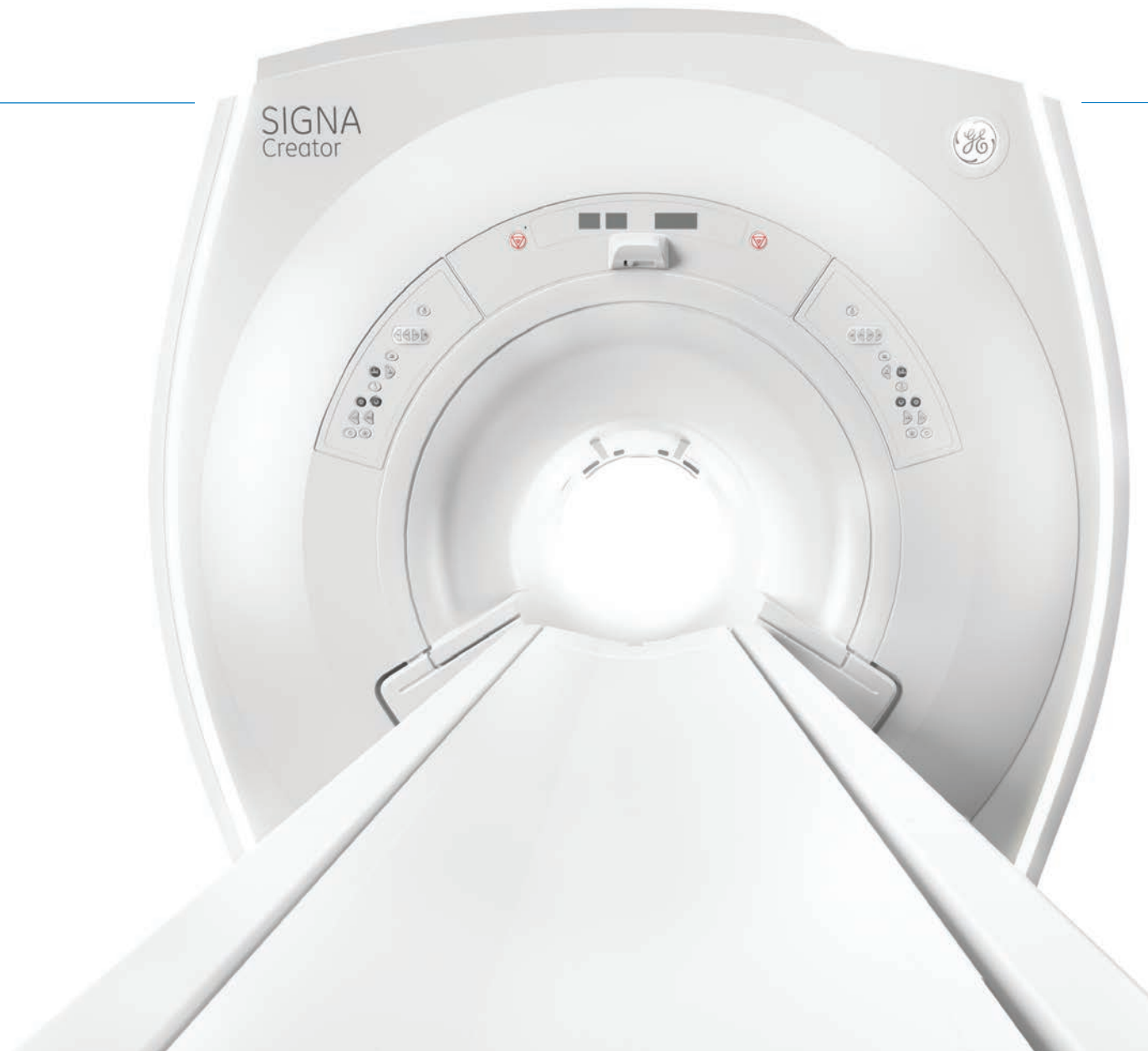
SIGNA Creator: Propel your operational experience into the future.

Boost

your financial power.

Make a solid investment in the future of imaging with SIGNA Creator. Its broad clinical applicability, optimized workflow and consistent image quality can help enhance your revenue potential. At the same time, it is designed to use less power* under normal operation and to require a smaller footprint for installation. When combined with its ease of operation, these features are designed to help keep running costs well under control.

* With energy-conscious, ecoimagination-certified technologies, the SIGNA Creator requires 34 percent less energy than our previous generation MR.



GE's exceptional service coverage means you have a range of customizable service plans to choose from, along with access to digital services such as InSite™, so you can get technical support at the touch of a button and maximize uptime.

Our training and education programs can be tailored to include virtual assistance that connects you with our clinical experts in real-time. In addition to local support, you'll have access to step-by-step guides and training materials at your fingertips.

SIGNA Creator also uses the same proven, high-quality magnet throughout our 1.5T product line, giving you the advantage of easy, economical upgradeability as part of the GE MR Continuum™.

SIGNA Creator: Designed to propel your financial power into a flourishing future.





Fulfilling service support

InSite

InSite™ is GE's advanced remote services technology that can instantly connect your asset with a GE services expert who will attempt to resolve an issue on the spot, often remotely.

If an onsite repair is required, a GE service engineer will arrive already armed with intimate knowledge of the problem and equipped to solve it quickly.

Remote Fix

GE can proactively monitor your critical medical equipment, identify potential problems and fix them to avoid unscheduled downtime and cost. It can even capture elusive intermittent faults which are difficult to observe on-site.

iCenter+

A secure cloud-based asset maintenance and management software application provides data and analytics about asset status, location, maintenance history, utilization, and planning.

TipVA

TipVA on demand gives you two live remote and interactive ways to learn from expert instructors: either schedule remote training or get answers to your questions with sharing desktop on demand. It's just like having a trainer there with you.

Magnet monitoring.

Through a broadband connection (InSite®BB), always monitors the magnet monitor data of your MR system, and quickly predicts the sign of the trouble such as risk of quench to prevent in advance, before the unlikely event of trouble occurs.



About GE Healthcare

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our “healthymagination” vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality around the world. Headquartered in the United Kingdom, GE Healthcare is a unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employees are committed to serving healthcare professionals and their patients in more than 100 countries. For more information about GE Healthcare, visit our website at www.gehealthcare.com.

GE Healthcare
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Waukesha, WI 53188
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GE imagination at work

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