

GE Healthcare

Maximize

your diagnostic potential.

SIGNA™ EXPLORER

Imagine what MR can be.





SIGNA
Explorer



Exceed

Setting new standards in imaging excellence.

Introducing SIGNA Explorer, whose advanced technology gives you the power to explore new horizons in imaging.

Built with the DNA of SIGNA, the pioneer of MR systems, SIGNA Explorer raises the bar in MR technology, with features including the breakthrough SilentScan and remarkable 3D motion correction. So it not only delivers exceptional image quality and enhanced patient comfort, but also helps improve workflow and simplify operations.

Get ready to conquer new diagnostic frontiers with SIGNA Explorer.

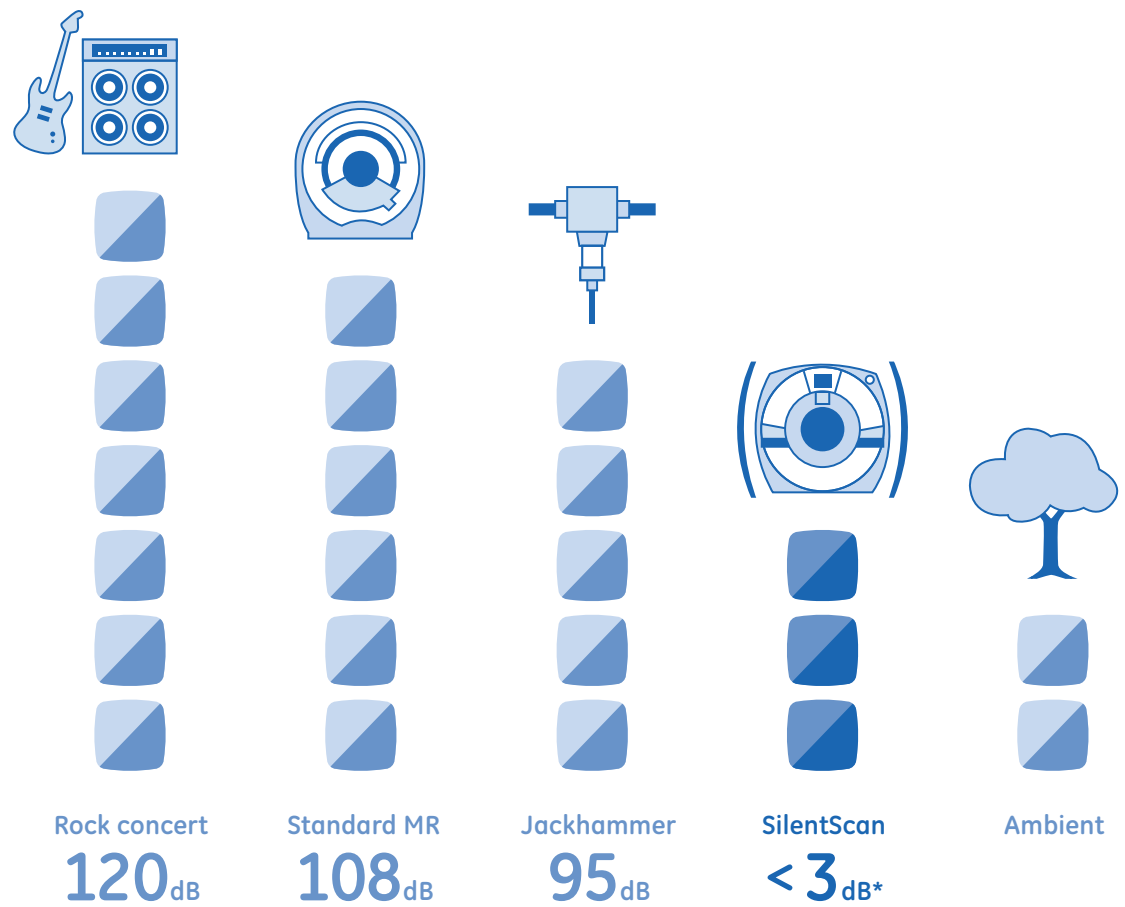
Elevate

your imaging performance and take patient comfort to new levels.

Re-imagine the boundaries of clinical possibility with the extraordinary capability of SIGNA Explorer. This system can attain new heights in image quality and give your patients a comfortable imaging experience.

- SilentScan, our revolutionary, proprietary technology, shatters industry norms to reduce noise like never before – taking it down to less than 3 decibels above ambient (See diagram for noise comparison).
- And 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.
- Advanced applications can speed up workflow for your technologists and make the experience more comfortable for your patients.

SIGNA Explorer: maximize your clinical performance.



*Above ambient levels; sound measured at isocenter of bore.

SIGNA
Explorer





Clinical power of

SIGNA Explorer

Neuro

Whether seasoned user or novice, READY Brain allows you to choose whether speed or image quality is your priority. PROPELLER gives you motion correction and Cube delivers 3D imaging.

Spine

Extensive coverage and motion correction techniques allow you to capture clear images that are resistant to artifacts resulting from patient motion and CSF flow.

Musculoskeletal

Obtain clear images in the presence of motion. Use Cartigram to non-invasively assess the extracellular cartilage matrix.

Body

Enhanced Diffusion Weighted Imaging (eDWI), volumetric imaging and multi-contrast imaging give our "eyes to thighs" portfolio power and precision with extended capability for bilateral breast imaging.

Vascular

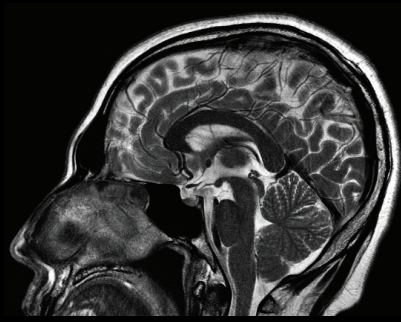
Visualize arterial and venous flow with an advanced array of powerful and robust pulse sequences that are designed to be user-centric and may not require a contrast agent.

Large FOV spine
2 Stations
T2 IDEAL Sagittal

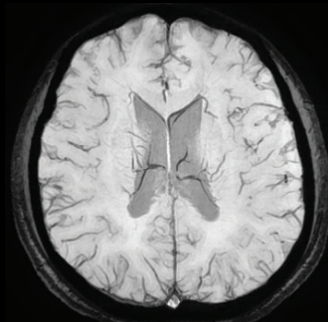


Renal
Enhance 3D Inflow IR Axial

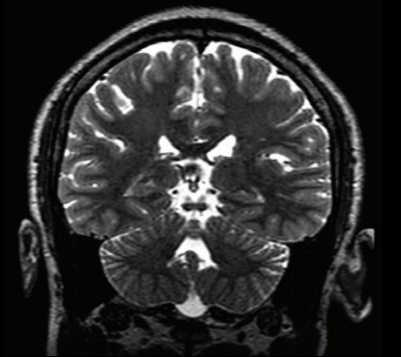
Neuro



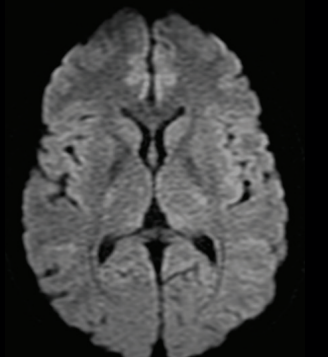
Brain
T2 PROPELLER Sagittal



Brain
eSWAN Axial



Brain
T2 Cube Coronal Reformat

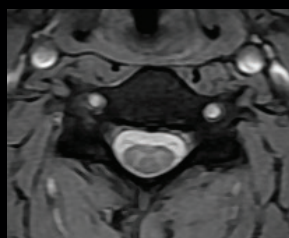


Brain
eDWI Axial

Spine



C-Spine
T2 PROPELLER Sagittal

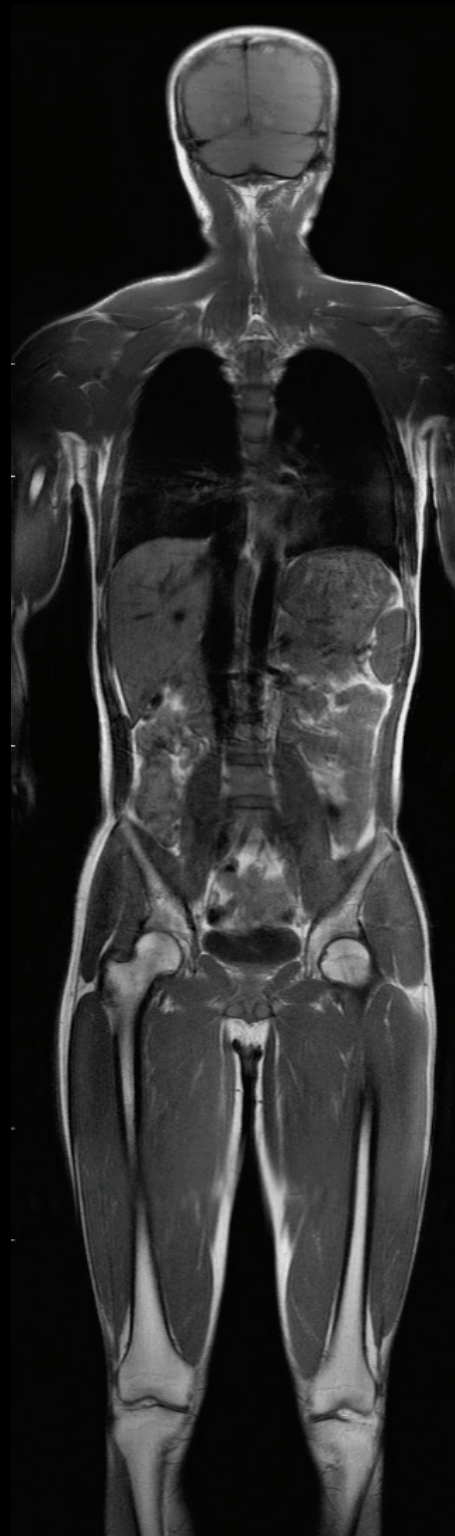


C-Spine
MERGE Axial



L-Spine
T2 PROPELLER Sagittal

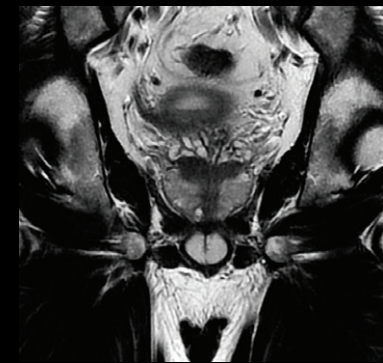
Body



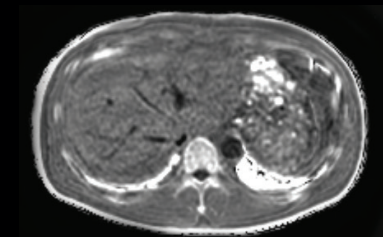
Whole Body Pasted T1 Coronal



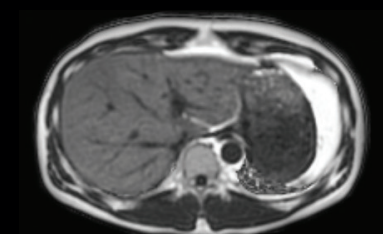
Abdomen
3D MRCP with Navigator



Male Pelvis
T2 PROPELLER Coronal



Abdomen
IDEAL IQ Axial
Fat Separation



Abdomen
IDEAL IQ Axial
Water Separation

Musculoskeletal

Vascular

Key applications



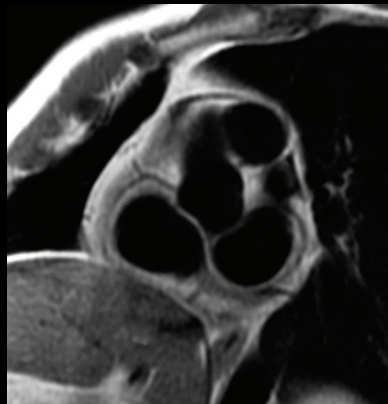
Shoulder
PD PROPELLER Coronal



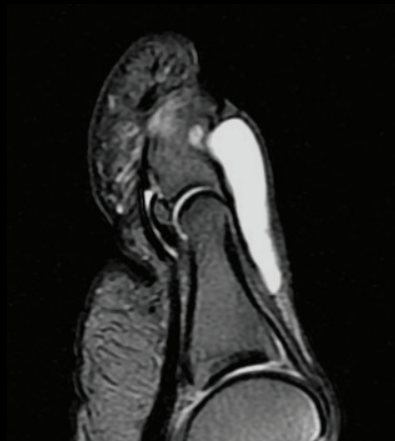
Carotids
Inhance 3D Sagittal



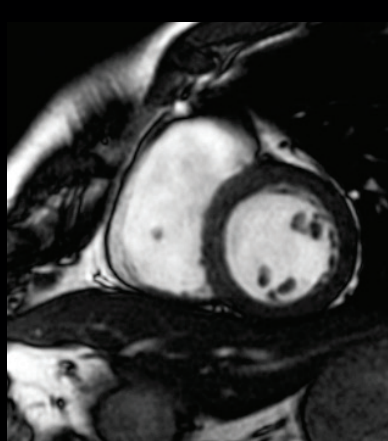
Knee
MERGE Sagittal



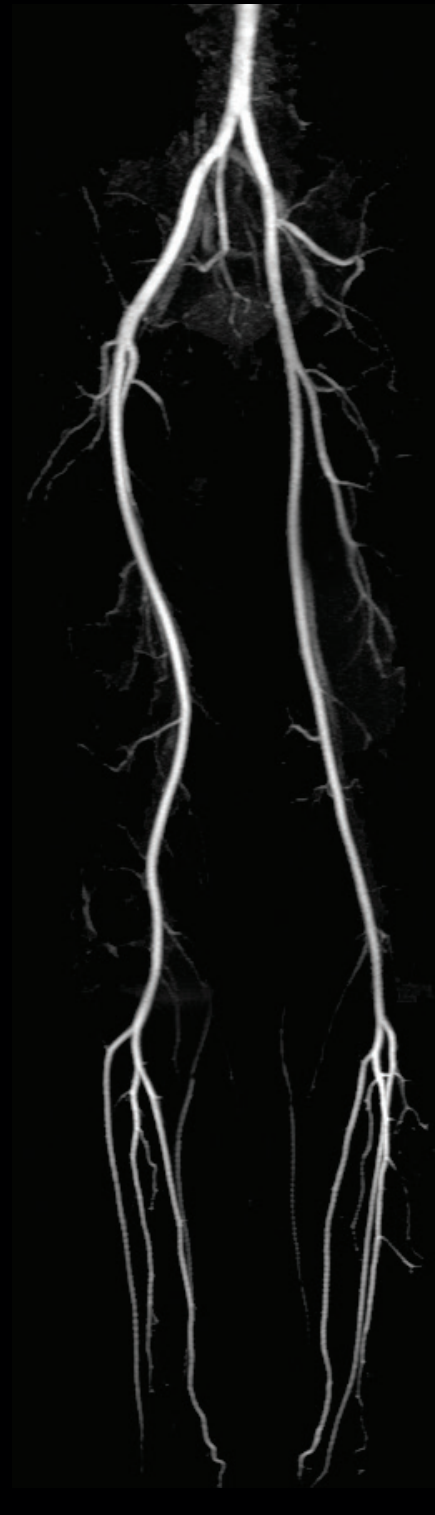
Cardiac
Double IR



Toe
T2 PROPELLER Sagittal



Cardiac
FIESTA Cine
Short Axis



Inhance DeltaFlow
3 Stations

Inhance

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

IDEAL IQ

An acquisition and reconstruction technique that generates quantitative triglyceride fat-fraction maps to measure the degree of fat in the liver.

VIBRANT

Excellent bilateral dynamic contrast breast imaging with high spatial and temporal resolution.

StarMap

Non-invasive assessment of the iron content in the entire heart or liver.

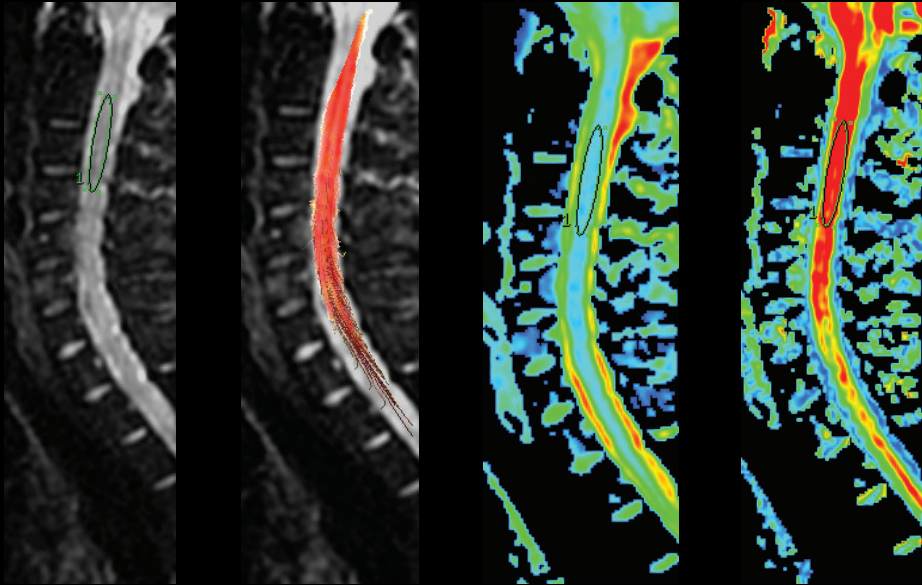
PROPELLER

To combat patient motion and susceptibility artifacts potentially reducing the need for sedation.

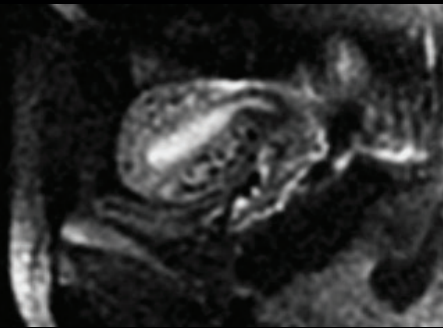
Cube

Replaces several 2D slice acquisitions with one single 3D volume scan.

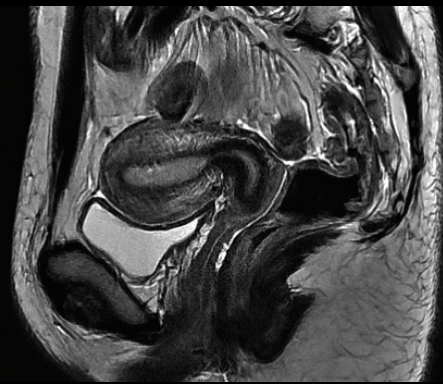
FOCUS



C-Spine FOCUS DTI with fiber tracking Sagittal

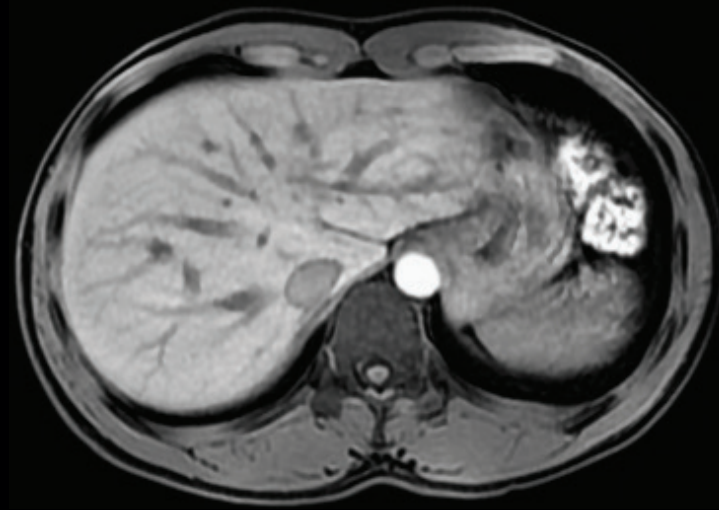


Female Pelvis
FOCUS Sagittal

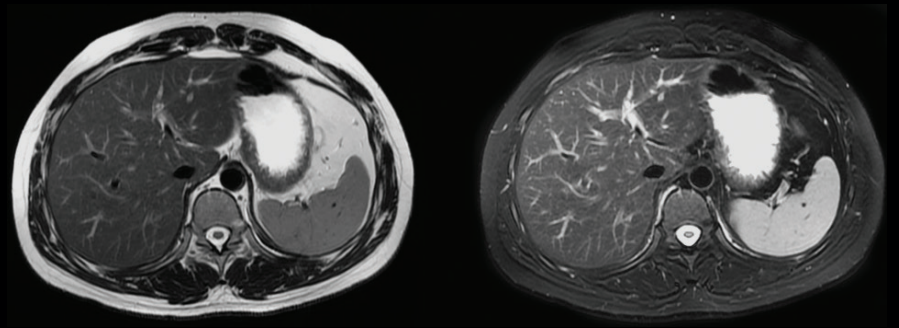


Female Pelvis
PROPELLER T2 Sagittal

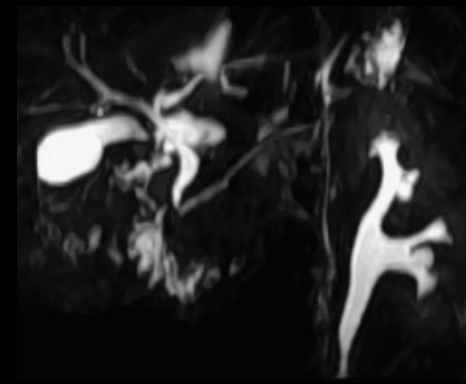
Body Navigators



Abdominal LAVA Flex Navigated

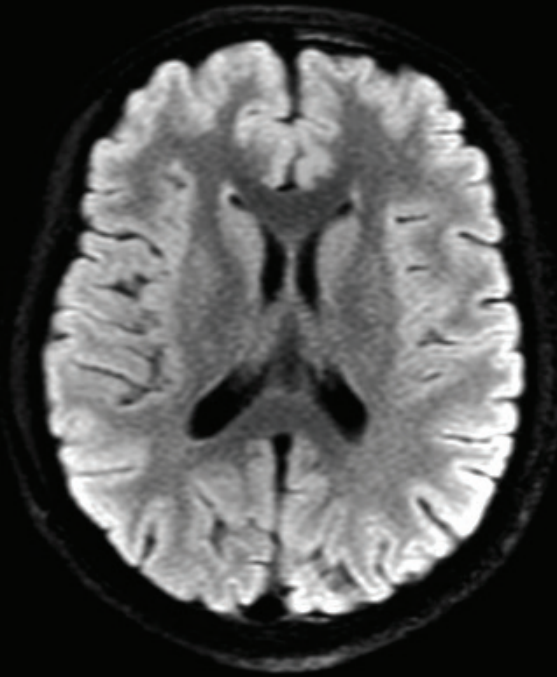


Abdominal Axial T2 Navigated and Axial T2 FatSat Navigated

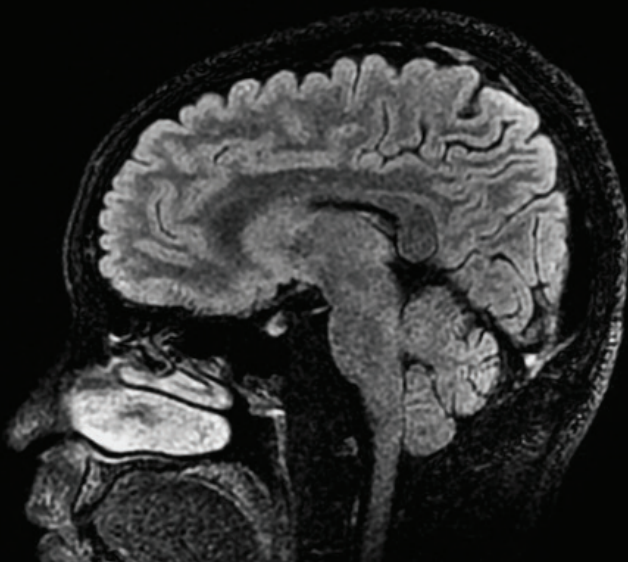


Abdominal MRCP Navigated

3D PROMO

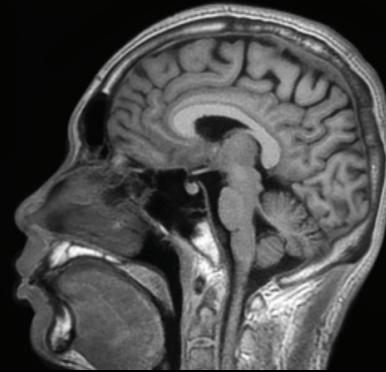


Brain
3D PROMO FLAIR Axial Reformat

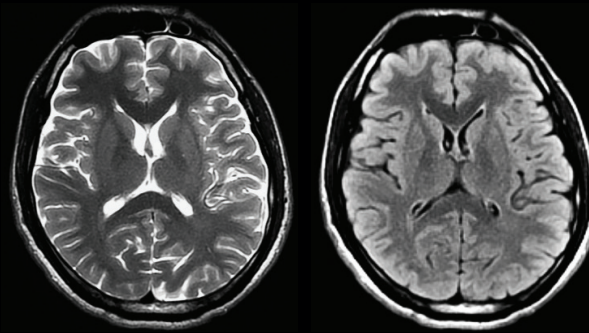


Brain
3D PROMO FLAIR Sagittal Reformat

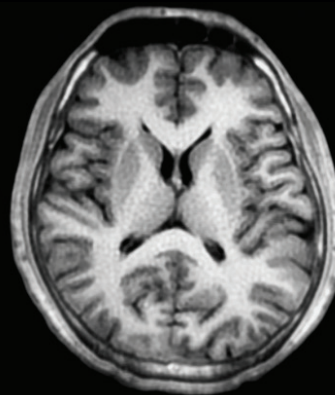
Silent Neuro Exam



Brain
Silent T1 Sagittal Reformat



Brain
Silent T1 PROPELLER
Silent T1 PROPELLER FLAIR



Brain
Silent T1 Axial Reformat

Advanced capabilities of SIGNA Explorer

FOCUS

Delivers a highly efficient method for increasing the resolution in Single Shot DW EPI sequences.

Body Navigators

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.

Silent Neuro Exam

A comprehensive set of sequences designed to generate high-resolution images with T1, T2, T2 FLAIR, PD-weighted and MRA contrast with sound levels that are within 3dB of ambient conditions.

3D PROMO

Provides 3D volumetric imaging correction of motion in real-time through a unique, remarkable algorithm that reduces the need for retakes during neuro exams.

MAVRIC SL

For advanced visualization of soft tissues and bone near MR Conditional devices.

MR Touch

Helps you identify variations in liver tissue stiffness non-invasively. Solution images are scanned in less than 15 minutes.



Transcend

the operational limitations of conventional MR.

Break free from the operational constraints of conventional MR to achieve consistently exceptional imaging performance and optimized workflow with SIGNA Explorer.

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 quicker and more consistent exams.

Robust applications not only give you consistently excellent imaging performance but help 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. 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 seven minutes.

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

SIGNA Explorer: Designed to maximize your operational performance.





Energize

your financial performance.

Invigorate your financial performance with SIGNA Explorer.

Its broad clinical applicability, substantially optimized workflow and consistently excellent image quality can help enhance your revenue potential. At the same time, it's designed to use less power under normal operation*, and require a smaller footprint for installation meaning less space needed. When combined with its ease of operation, these features can help keep running costs well under control.

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

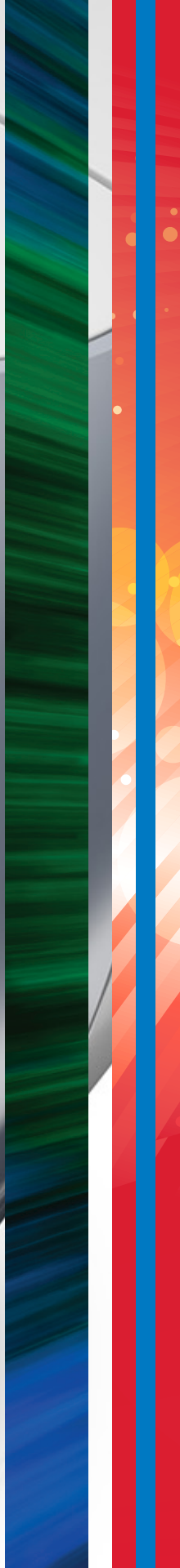
GE's exceptional service coverage means you have a range of customizable service plans to choose from, along with access to digital services such as InSite™, so you can get technical support at the touch of a button and maximize uptime.

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

SIGNA Explorer 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 Explorer: Designed to maximize your financial performance.

SIGNA
Explorer



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.

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imagination at work

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