

**MAGNETOM Sola
with BioMatrix**

**Embrace human
nature at 1.5T**

siemens-healthineers.com/sola

The clinical overlay is not that of the individual pictured.
It was modified for better visualization.



SIEMENS
Healthineers

MAGNETOM Sola embraces human nature at 1.5T

The world's population will grow by 30% to 9.6 billion by 2050, with life expectancy increasing by 10%.³ The future of healthcare may lie in precision medicine: the right treatment for the right patient, at the right point in time.

In order to pave the way for precision medicine in MRI, one of the greatest challenges – the variability of the individual patient – needs to be addressed.

Only by reducing unwarranted variations in MRI examinations by adjusting to patient biovariability can healthcare institutions provide standardized results. Standardization means that robust, consistent results are available to support diagnosis. In future, this will enable treatment decisions and therapy response assessment based on quantitative tissue characterization using MRI.

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MAGNETOM Sola

Embrace human nature at 1.5T

MAGNETOM Sola, the first 1.5T system with BioMatrix Technology, turns challenges into opportunities, delivering a whole new level of consistency, efficiency, and increased clinical capabilities.

New 1.5T magnet

70 cm Open Bore
50 x 50 x 50 cm³ FOV

Gradient strength

XQ: 45 mT/m @ 200 T/m/s
XJ: 33 mT/m @ 125 T/m/s

New ultra-high density 1.5T coils
based on our Tim 4G technology

New user environment
syngo MR XA platform technology

**Innovision¹ – the revolutionary
patient infotainment solution**
Designed to redefine the in-bore experience



Expanding
**precision
medicine**



BioMatrix Technology

New BioMatrix Sensors, Tuners, Interfaces

Up to 50%³ time savings
with Turbo Suite

Free-breathing exams
with Inline Compressed
Sensing

Push-button exams
with GO technologies

**Intuitive guidance
for every exam**
with our unique Dot Engines

syngo Virtual Cockpit²
The game-changing remote scanning
assistance



Embrace consistency at 1.5T with BioMatrix Technology

Patients have unique, individual characteristics. Not only their different physiologies and anatomies, but also the way we interact with them and with technology can cause unwarranted variations. BioMatrix Technology helps overcome these challenges using a whole new approach: embracing human nature. Instead of expecting patients to adjust to the technology, BioMatrix automatically adjusts to the patient.



BioMatrix Sensors

Anticipate motion for high-quality results

Motion is a challenge in MRI, as it can dramatically decrease image quality, limiting consistency in scans and leading to costly rescans. Deeply embedded in the system architecture, BioMatrix Sensors capture respiratory and cardiac⁴ motion for increased consistency. This allows the user to choose the optimal exam strategy and achieve consistent high-quality results.

BioMatrix Respiratory Sensors

Integrated into the BioMatrix Spine Coil, Respiratory Sensors automatically detect breathing patterns as soon as the patient lies on the table. Respiratory-triggered scans can be performed without additional user interaction to help simplify and accelerate the workflow.

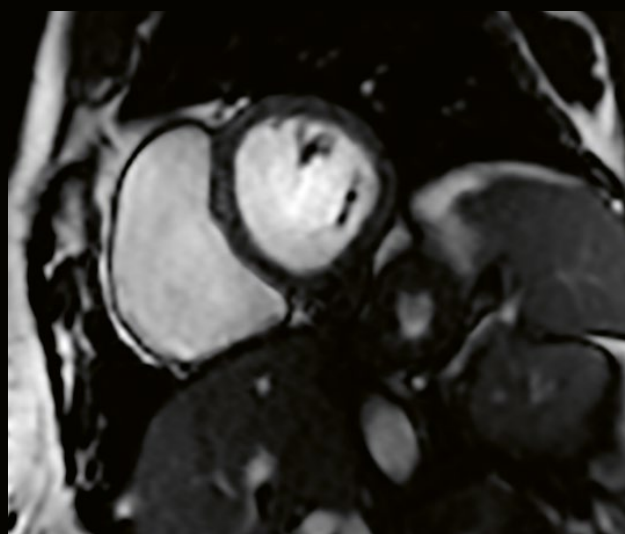
BioMatrix Beat Sensor

The Beat Sensor⁴ is seamlessly integrated into the BioMatrix Body 12 and BioMatrix Body 18. It is designed for cardiac triggering⁴ – without the need for the time-consuming application of ECG leads.



Triggered with BioMatrix Respiratory Sensor

3D T2 CS SPACE MRCP
CS 20
0.5 mm iso
TA 1:04 min respiratory triggered
ID 1aaaa2793



Triggered with BioMatrix Beat Sensor⁴

2D CS Cine TrueFISP
Segmented
TA 24 seconds per breath hold
PAT 3
1.7 x 1.7 x 8.0 mm
ID 1aaaa1457

BioMatrix Tuners

Adapt to challenging anatomies for reliable exams

BioMatrix Tuners adapt to challenging anatomies, such as the head/neck area, the spine, and the abdomen, for reliable exams. Even for difficult scan regions, our intelligent coil technology consistently delivers excellent homogeneity and fat saturation – driving robustness and reproducible high-quality imaging – for every patient, every time.

BioMatrix CoilShim

Integrated into the new tiltable BioMatrix Head/Neck coils, CoilShim increases diagnostic quality and reduces the need for rescans by delivering improved fat saturation and better DWI quality in the head/neck region. CoilShim technology enables the challenging area to be automatically and optimally shimmed for reproducible quality in every patient.

BioMatrix SliceAdjust

SliceAdjust provides distortion-free whole-body DWI scans as well as reliable fat saturation for both DWI and TSE sequences. It avoids broken spine artifacts in whole-body MRI for excellent correlation with anatomical scans.



Without CoilShim
T2 TSE FS conventional
 $0.7 \times 0.7 \times 3 \text{ mm}^3$
TA 2:56 min
ID 1aaaa1664



With CoilShim
T2 TSE FS with CoilShim
 $0.7 \times 0.7 \times 3 \text{ mm}^3$
TA 2:56 min
ID 1aaaa1664



Without SliceAdjust
DWI
Whole body
ID 1aaaa1655



With SliceAdjust
DWI
Whole body
ID 1aaaa1655

BioMatrix Interfaces

Accelerate patient preparation for increased efficiency

BioMatrix Interfaces simplify how the user interacts with the scanner and the patient, accelerating patient preparation in order to improve image quality and cost-effectiveness. No matter how tall, large, or mobile a patient is – or how experienced the technologist is – BioMatrix Interfaces speed up the workflow for increased efficiency.

BioMatrix Select&GO



Intelligent
Body Model
powered by AI

Select&GO one-touch positioning utilizes AI to accelerate patient positioning by up to 30%³ compared with laser positioning. The user simply selects the body region to be scanned on the touch display and the patient is automatically positioned for the respective scan, helping to avoid delays due to incorrect positioning.

BioMatrix Dockable Table



The BioMatrix Dockable Table with its intuitive control panel streamlines your patient flow, especially for immobile patients.

Embrace true 1.5T efficiency

MAGNETOM Sola embraces efficiency and makes push-button examinations a clinical reality. GO technologies speed up the entire workflow from patient positioning to result distribution using artificial intelligence. Three Turbo Suite acceleration packages reduce scan times by up to 50%³. Fleet management solutions achieve consistent image quality across the fleet with software solutions such as Dot Engines, *syngo* Virtual Cockpit², and MR protocols.

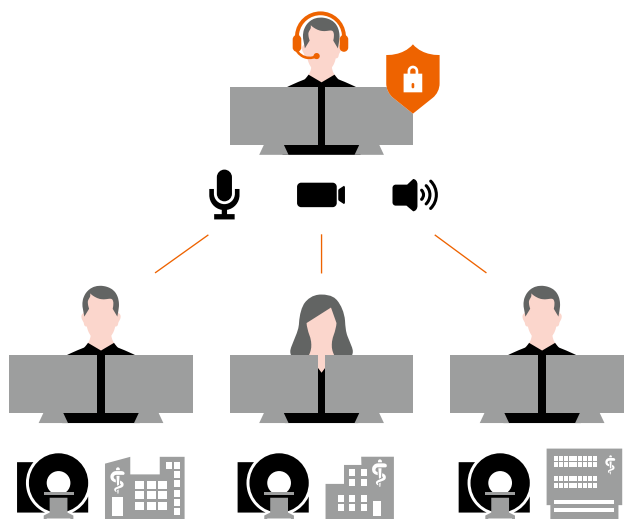


syngo Virtual Cockpit²

Move knowledge, not staff

syngo Virtual Cockpit² is designed to assist scan procedures – from a distance. Expert colleagues are granted access to the scanner and can support less-experienced technologists – delivering reproducible results across your entire MR system fleet.

- Each expert can assist up to 3 scanners, simultaneously
- Expert communicates with scanner operator via chat, video, and voice
- Assist MR, PET-MR, CT, and PET-CT scanners

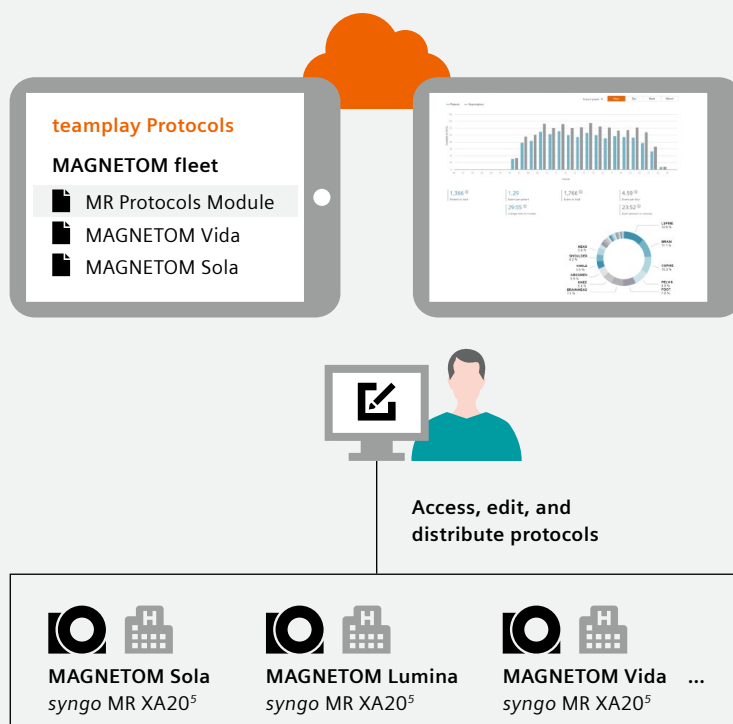


Further information on syngo Virtual Cockpit²:
siemens-healthineers.com/syngo-virtual-cockpit

teamplay Protocols

Manage your fleet protocols and usage with teamwork protocols

- Central management of all the protocols of your MRI scanner fleet⁵, beyond physical location, without interrupting scanning
- Easy distribution of your standardized protocols to your syngo MR XA-line systems
- Comprehensive overview of scanner KPIs
- Statistics on scan time, change time, examined body regions, etc.
- Analysis of scanner utilization and table occupancies
- Regional benchmark of performance across institutions



GO technologies

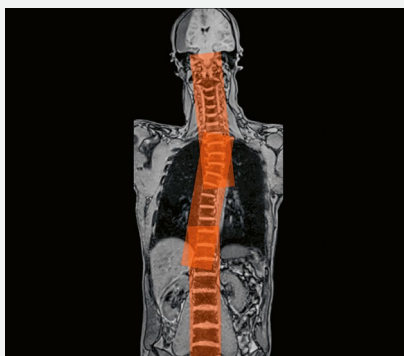
Power your MRI workflow

From patient preparation to result distribution, optimize and streamline your entire MRI workflow with BioMatrix and GO technologies. Save the valuable time of your staff and establish precise patient scheduling thanks to useful automation and standardized workflow steps.

**30% faster³
patient positioning**



**Push-button
planning & scanning**



**Zero-click fully automated
inline processing**



Select&GO

BioMatrix Select&GO, powered by AI, enables fully automated exam positioning with one touch on the display.



Select&GO
powered by AI

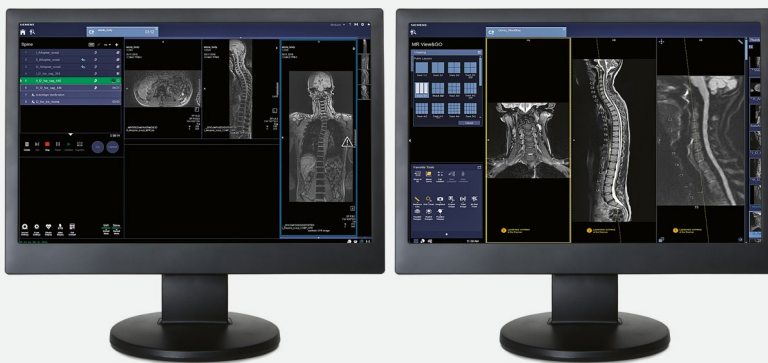
DotGO

The intuitive Dot workflow offers automatic placement of imaging slices using the AI-powered AutoAlign functionality – making even whole-spine imaging a push-button exam.

Recon&GO

Recon&GO automatically performs postprocessing steps in the background. For example: Vertebrae in the sagittal, axial, and coronal views are automatically labeled in all contrasts.

Reduced workload for radiologists through advanced applications



View&GO

Dual screens allow the user to efficiently check and distribute results in real time. In addition, advanced applications such as generating computed high b -value images or 3D reconstructions of the plexus can be performed directly at the scanner, reducing the workload for radiologists.

Dot Engines

10 Dot Engines deliver consistent, reproducible results from head to toe

MAGNETOM Sola's ten unique Dot Engines tailored to different body regions provide highly automated scan procedures for more than 90%³ of all MRI exams. Each Dot Engine provides a comprehensive guidance system and predefined scan strategies. AutoAlign, powered by artificial intelligence, delivers automatic placement of imaging slices to achieve reproducible scan results – every time.



Over 90%³
of all MRI exams
covered

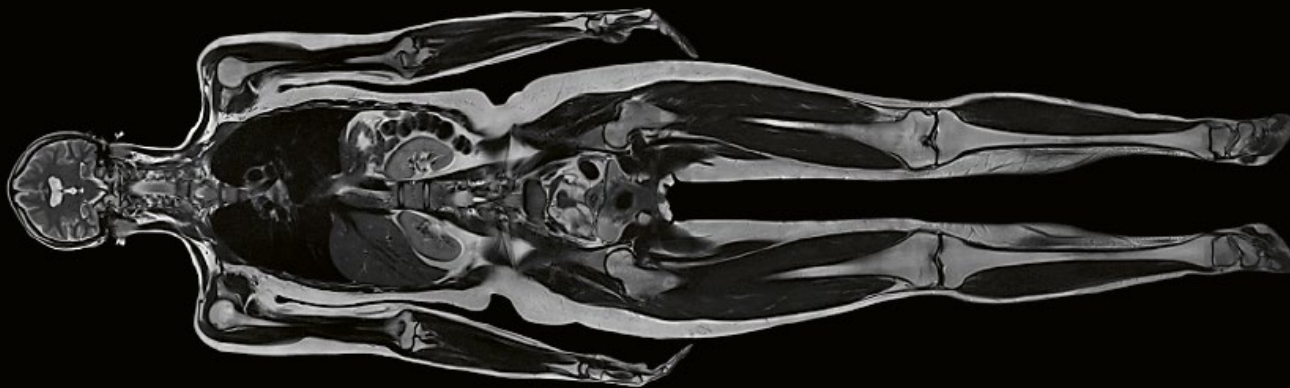
Brain Dot Engine
Standard

Cardiac Dot Engine

Abdomen Dot Engine

LiverLab Dot Engine
New

Whole-Body Dot Engine



Breast Dot Engine

Spine Dot Engine
Standard

Large Joint Dot Engine
Standard

Angio Dot Engine

RT Dot Engine



Dot Engines
powered by AI

Dot Cockpit

Make your MRI expertise accessible to every technician and at anytime

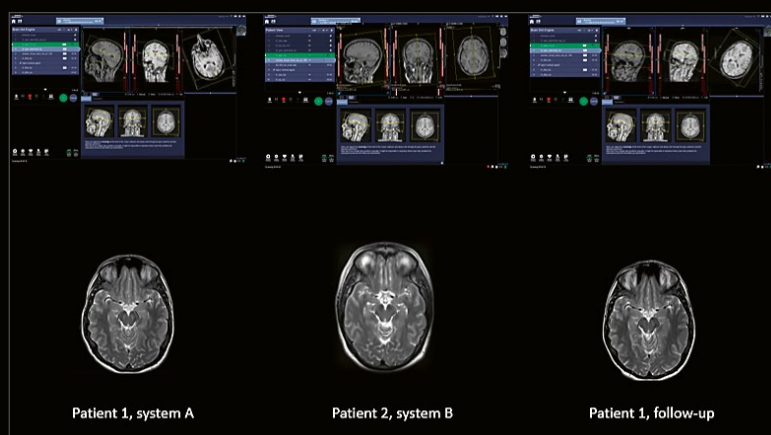
Manage protocols without taking away table time from the patient with the Dot Cockpit. Thanks to AI, the Dot Cockpit minimizes complexity, increases consistency, and maximizes efficiency for each MRI exam at your institution. Avoid patient recalls with accurate contrast timing. Reduce the number of rescans and increase efficiency in exam planning.



Up to \$14K³

savings per tech per year in workforce overtime salary

- Fully system-guided workflows
- Automated planning of planes
- Disease-specific clinical protocols



Brain Dot Engine



Cardiac Dot Engine



Dot Cockpit
powered by AI

Turbo Suite

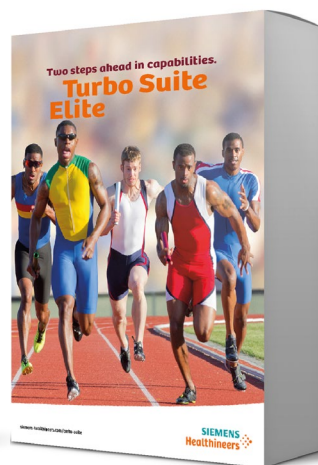
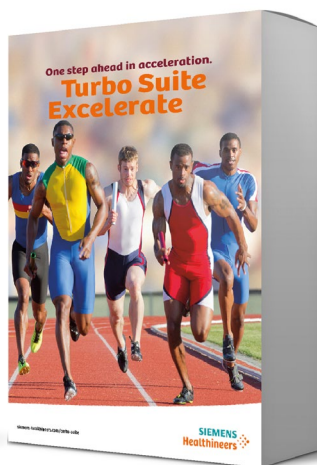
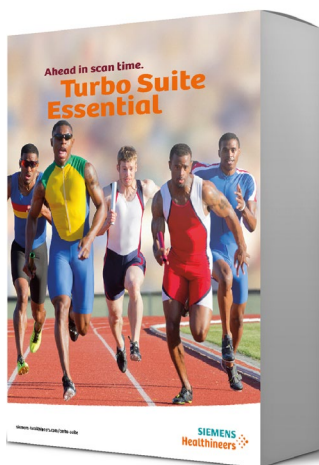
Setting the pace in MR acceleration

Turbo Suite for MAGNETOM Sola is comprised of three packages including our unique parallel imaging, Simultaneous Multi-Slice, and Compressed Sensing⁷ technologies.

And with Turbo Suite, you gain access to future developments in MR acceleration, keeping you up to date.



Reduce the total exam time by
up to 50%³



*Explore more clinical images
on the Internet.*

Turbo Suite Essential

Ahead in scan time

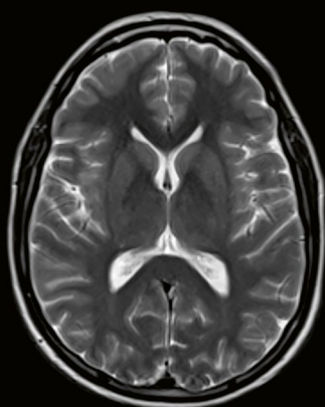
Get ahead in scan time and maximize productivity with core MR acceleration technologies

Turbo Suite Essential is our standard acceleration package for MAGNETOM Sola. This package leverages high-density coil elements, the parallel imaging techniques GRAPPA, and our unique CAIPIRINHA to deliver routine exams in 10 to 15 minutes³.

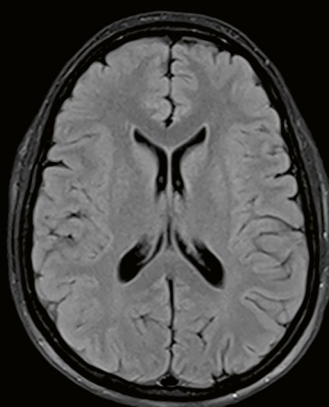
Isotropic 3D MSK exams use the power of CAIPIRINHA, delivering all clinically relevant contrasts in 10 minutes. For body imaging, up to 50%³ shorter breath-holds and high-resolution scans are possible with CAIPIRINHA.



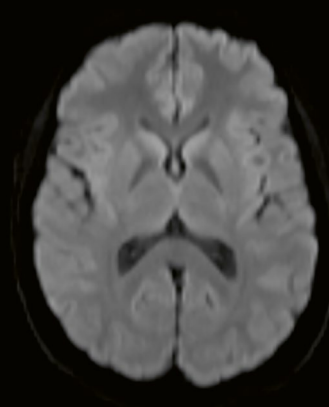
Routine exams in
**10–15
minutes⁵**



T2 TSE
PAT 2, $0.9 \times 0.9 \times 4 \text{ mm}^3$
TA 0:38 min
ID 1aaaa1660

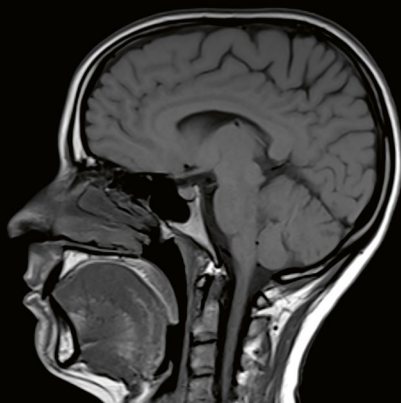


T2 TSE dark-fluid
 $0.4 \times 0.4 \times 5 \text{ mm}^3$
TA 1:28 min
ID 1aaaa1660

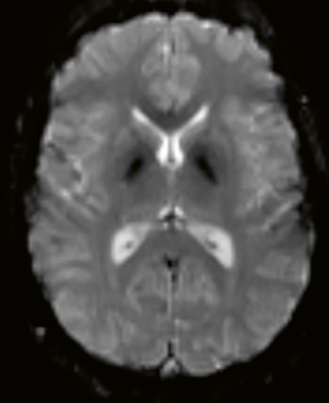


DWI, b800
PAT 2, $1.6 \times 1.6 \times 5 \text{ mm}^3$
TA 1:16 min
ID 1aaaa1660

Total exam
8:31 min



T1 TSE
PAT 2, $0.9 \times 0.9 \times 5 \text{ mm}^3$
Ta 1:18 min
ID 1aaaa1660



T2 FLASH hemo
 $1.7 \times 1.7 \times 5 \text{ mm}$
TA 0:06 min
ID 1aaaa1660



3D TOF
 $0.3 \times 0.3 \times 0.5 \text{ mm}^3$
TA 3:45 min
ID 1aaaa2365

Turbo Suite Excelerate

One step ahead in acceleration

Be up to 50%³ faster for routine, clinical exams

Turbo Suite Excelerate introduces a paradigm shift in productivity with up to 50%³ time savings, for all contrasts, orientations, and body regions. Dramatically transform care delivery with the cutting-edge acceleration technologies Simultaneous Multi-Slice and Compressed Sensing⁷ for static 2D and 3D imaging, covering neurological, orthopedic, and body MRI.

In addition to our latest Simultaneous Multi-Slice applications for EPI and TSE, the Excelerate package provides future security through access to planned new acceleration techniques including Simultaneous Multi-Slice RESOLVE as well as Compressed Sensing acceleration for SPACE, TOF, and SEMAC.

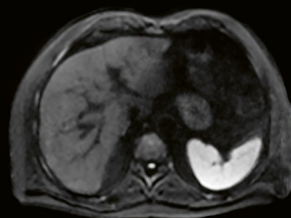


Up to
50% time savings³

Conventional



2D PD fs, PAT 2
0.4 x 0.4 x 3 mm³
TA 2:20 min
ID 1aaaa1444



DWI, PAT 2, b800
1.6 x 1.6 x 6 mm³
TA 3:09 min
ID 1aaaa3233



3D TOF MIP, PAT 2
0.5 mm³
TA 6:40 min
ID 1aaaa2930

50% reduction

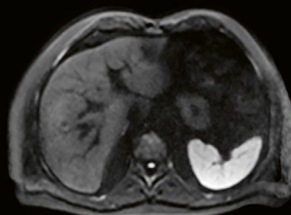
44% reduction

60% reduction

Turbo Suite Excelerate with Simultaneous Multi-Slice and Compressed Sensing



SMS 2D PD fs
0.4 x 0.4 x 3 mm³
PAT 2 SMS 2
TA 1:18 min
ID 1aaaa1444



SMS DWI
1.6 x 1.6 x 6 mm³
PAT 2 SMS 2, b 800
TA 1:35 min
ID 1aaaa3233



3D CS TOF MIP
PAT 2 CS6.5
0.5 mm³
TA 2:00 min
ID 1aaaa2930

Turbo Suite Elite**Expand your clinical capabilities**

Increase the number of patients eligible for MRI

With Compressed Sensing GRASP-VIBE, perform full free-breathing liver dynamics for greater patient comfort and fewer rescans.

With Compressed Sensing Cardiac Cine, cardiac function can be captured in one short scan, with free breathing, even in the most challenging cases. With Turbo Suite Elite, you get unlimited access to cutting-edge MRI acceleration techniques.

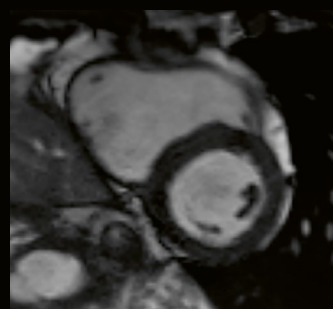


New
**clinical
capabilities**

Conventional

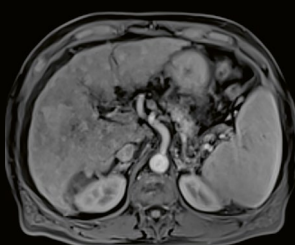
VIBE Dixon
arterial phase
1.2 x 1.2 x 3 mm³
TA 0:16 min breath-hold
ID 1aaaa2010

Free-breathing exam

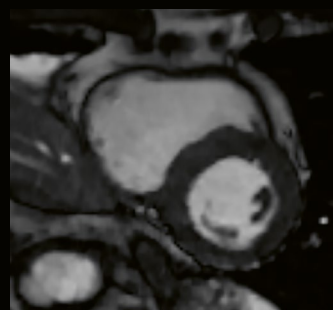


2D Cine TrueFISP, PAT 2
1.6 x 1.96 x 8.0 mm³
adaptive, segmented, retrospective
TA 3:00 min / 9 breath-holds
ID 1aaaa1951

**Free-breathing exam
> 4 min. saved**

**Turbo Suite
Elite**

CS GRASP VIBE Dixon
1.2 x 1.2 x 3 mm³
TA: 4:06 min free breathing
in all phases
ID 1aaaa2010



2D CS Cine TrueFISP, CS 7.3
1.6 x 1.6 x 8.0 mm³
2 shot, segmented, retrospective
TA 0:30 min free breathing
ID 1aaaa1951

Embrace new clinical capabilities at 1.5T

With MAGNETOM Sola, patients previously excluded from MRI due to the exam's complexity or their medical condition now have access. Free-breathing Compressed Sensing applications help to improve the patient experience, while extending your range of services. Significantly simplified procedures with automated workflow strengthen clinical fields with growth potential such as whole-body and cardiac MRI.



Whole-body MRI

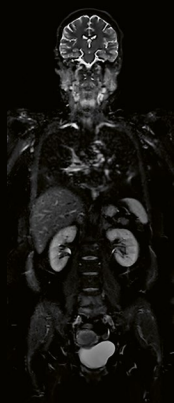
From head to pelvis in less than 23 minutes scan time

Whole-body MRI has recently been proven to have great potential in supporting the treatment of oncology patients

MRI is, however, traditionally seen as complex and difficult to perform consistently and efficiently. The Whole-Body Dot Engine enables highly reproducible exams and allows complex studies to be planned and executed to a few clicks in short and predictable time slots. Together with Turbo Suite Elite, these examinations can be done fast, easy, and with free breathing.

Less than 23 min for whole-body

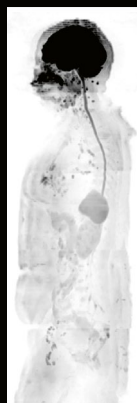
+ 14:10 min for Spine



T2 STIR HASTE
TA 9:49 min
ID 1aaaa3028



2D TSE DIXON W
TA 3:07 min
ID 1aaaa3028



DWI, b800
TA 9:25 min
ID 1aaaa3028

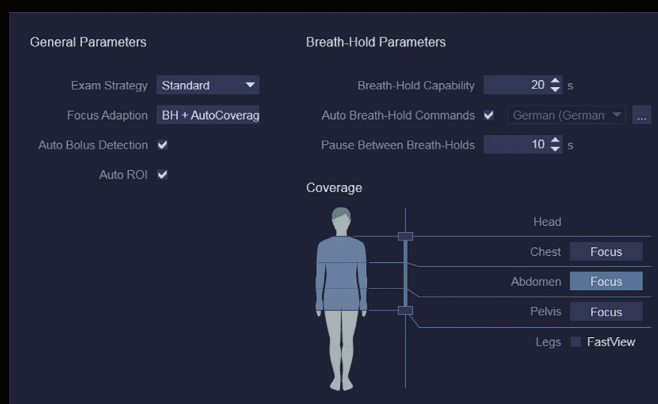
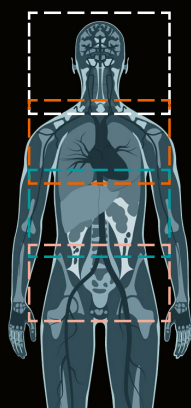


T2 TSE STIR
1.0 x 1.0 x 4 mm³
TA 6:05 min
ID 1aaaa3028



T1 TSE
1.0 x 1.0 x 4 mm³
TA 8:05 min
ID 1aaaa3028

Core protocol for bone and lymph node metastasis detection adapted from MET-RADS-P standard⁵



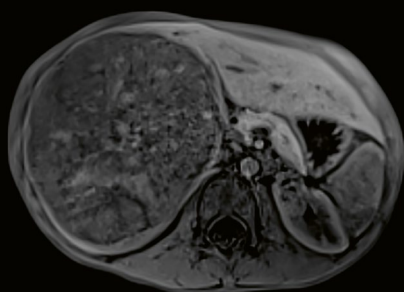
Planning of a whole-body exam can be **reduced from 14 minutes (= 34% of the exam time) to just 2.5 minutes³ (= 8% of the exam time)**

Compressed Sensing GRASP-VIBE**Beyond speed. Beyond motion.**

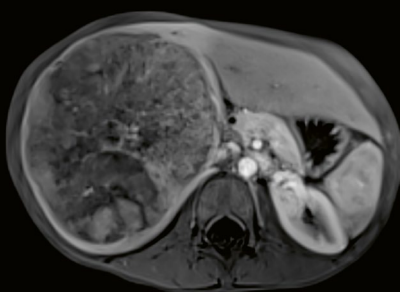
With our disruptive Compressed Sensing GRASP-VIBE technology, your customers can expand their patient population eligible for abdominal MRI

Patients with limited breath-hold capability or those who are unable to follow breathing commands, such as patients with dementia, hearing impairment, children or multimorbid patients, can now undergo high-resolution dynamic abdominal imaging with free breathing in one continuous, push-button exam.

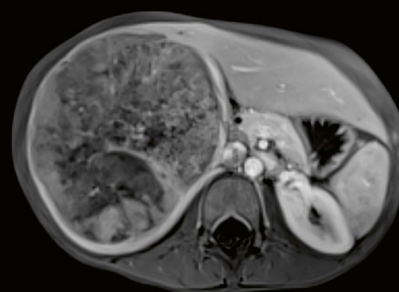
Pediatric case⁶ (6 years old) with Hepatoblastoma



T1 GRASP VIBE fs
Precontrast
1 x 1 x 2 mm³
ID 1aaaa3108



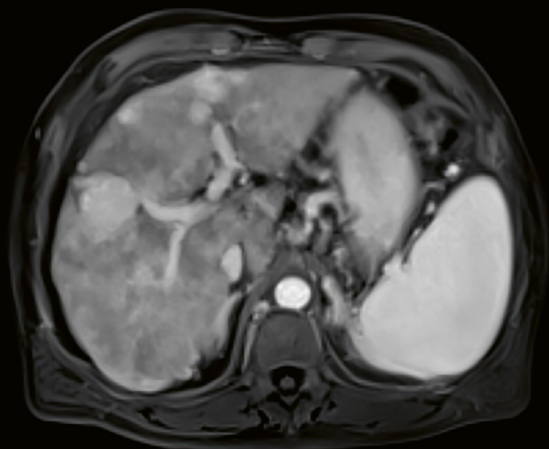
T1 GRASP VIBE fs
Arterial phase
1 x 1 x 2 mm³
ID 1aaaa3108



T1 GRASP VIBE fs
Portovenous phase
1 x 1 x 2 mm³
ID 1aaaa3108

Push-button, free-breathing liver dynamics with Compressed Sensing GRASP-VIBE

Liver case of a 58-year-old male patient with hepatic cellular carcinoma



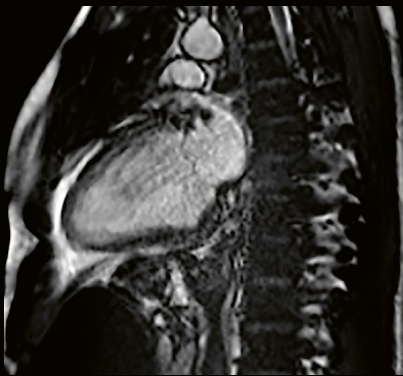
T1 GRASP VIBE fs
1.6 x 1.6 x 3 mm³
ID 1aaaa2010

Compressed Sensing Cardiac Cine

Case 1: Introducing free-breathing cardiac MRI exams

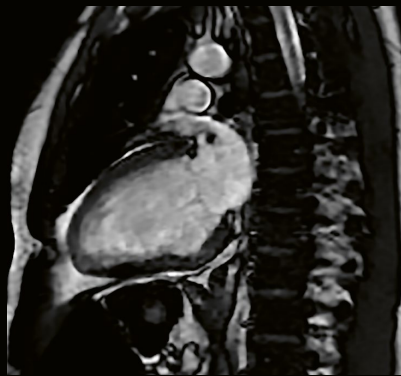
Extend the benefits of cardiac MRI to your most valuable patients

Conventional cine acquisitions are susceptible to breathing motion or irregular heart beats



2D cine TrueFISP
1.7 x 1.7 x 6 mm²
ID 1aaaa1455

Free-breathing acquisition with Compressed Sensing Cardiac Cine



2D CS cine TrueFISP
1.7 x 1.7 x 6 mm²
ID 1aaaa1455

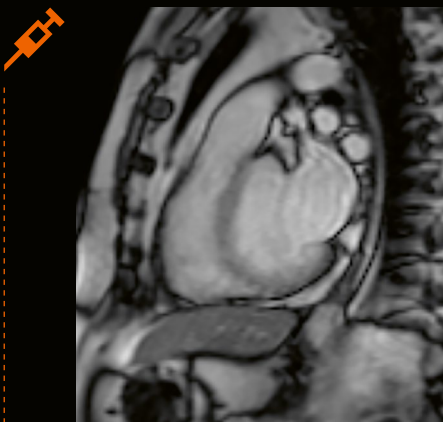


Find out more about the **MAGNETOM Sola Cardiovascular Edition**.

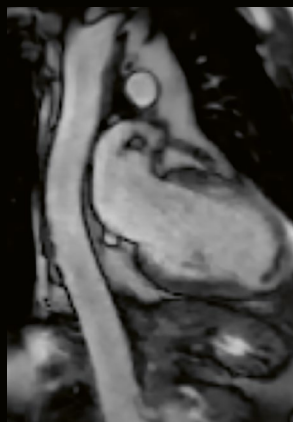
Compressed Sensing Cardiac Cine

Case 2: Get diagnostic cardiac information in 12 minutes

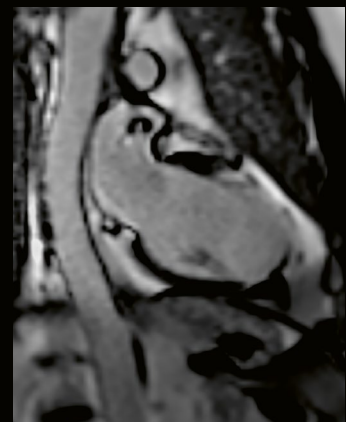
Learn about morphology, function, and late gadolinium enhancement (LGE)

Contrast injection

Localizer AutoAlign
3 minutes



Cine Real-time Compressed Sensing
4 minutes



LGE PSIR HeartFreeze
5 minutes

Embrace patient satisfaction

Most patients who need to undergo an MRI scan, experience some level of anxiety. Turn MRI into a comfortable, fast, and entertaining experience by creating a comfort zone with coils that adapt flexibly to the patients' anatomy. Ease patients' anxiety with Innovision¹, the in-bore infotainment system that redefines the MRI experience.



Improving
**patient
experience**

Innovision¹

Redefining the MRI experience

Innovision¹ is designed to redefine the patient experience, using a revolutionary in-bore infotainment solution. By engaging patients in an immersive video and audio experience as soon as they lie on the table, patients remain relaxed and at greater ease during the scan.

Enhance the patient experience
with customizable video content

Reduce claustrophobia
with a video display that creates a virtually larger bore

Keep the patient informed
by displaying the scan progress

Exceptional sound quality
for voice commands and entertainment

Effective noise reduction
with unique memory foam pillow



Bring patient experience solutions to life with augmented reality



1. Download the "AR Siemens Healthineers" app from your app store.
2. Open the app and explore the solutions in full 3D.



siemens-healthineers.com/ar-ios
siemens-healthineers.com/ar-android

Tim 4G technology

Provide more comfort, speed, and high image quality at the same time

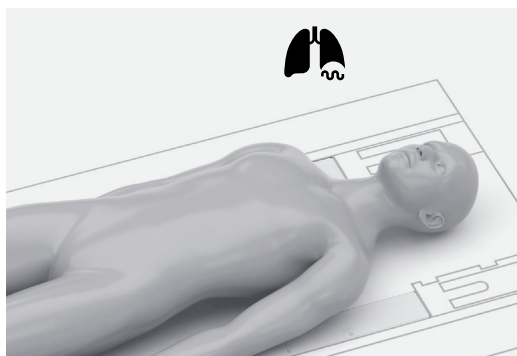
MAGNETOM Sola offers a wide range of new high-density coils with seamlessly integrated BioMatrix Sensors and BioMatrix Tuners. The DirectConnect and SlideConnect technology supports a smooth and fast coil positioning. Our unique coils adapt flexibly to patients' bodies and provide them with greater comfort while they undergo MRI exams.

BioMatrix Body 18



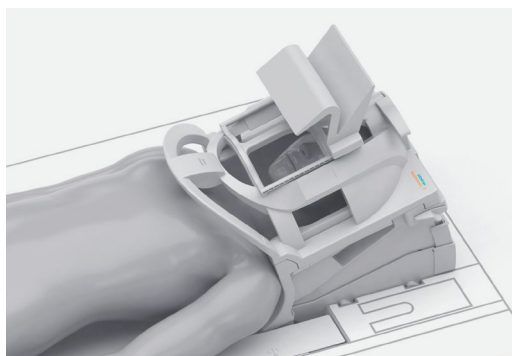
The 18-channel Tim4G coil with its excellent image quality offers a flexible and lightweight design, resulting in greater patient comfort.

BioMatrix Spine 48



The 48-channel spine coil with integrated respiratory sensors enables respiratory triggering for both head-first and feet-first positioning.

BioMatrix Head/Neck 20



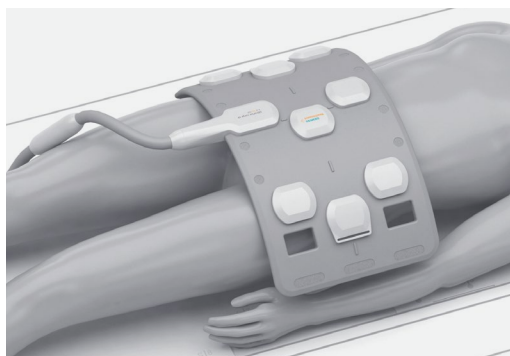
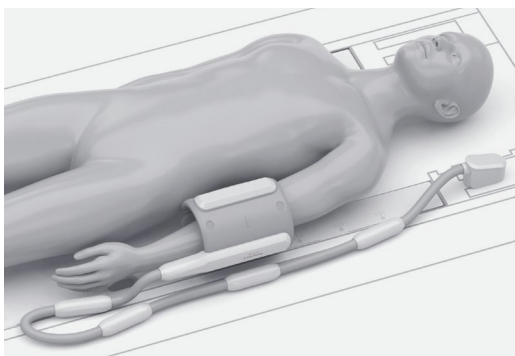
First cable-free tiltable coil with DirectConnect™ technology. The coil is tiltable to three positions (0°, 9°, and 18°) and comes with CoilShim technology, offering integrated shim elements.

Contour 24



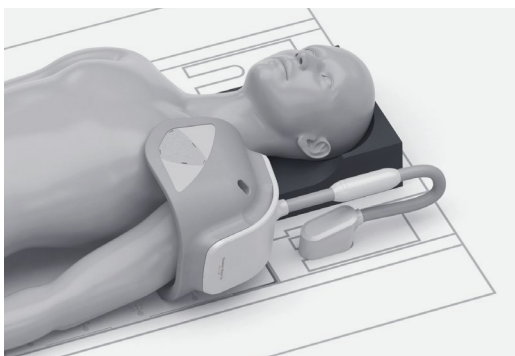
The soft and lightweight Tim4G coils provide a blanket-like feeling for your patient by flexibly adapting to the body contour. The coverage can be extended to a 48-channel coil by adding a second Contour 24.

UltraFlex 18 Large / UltraFlex 18 Small



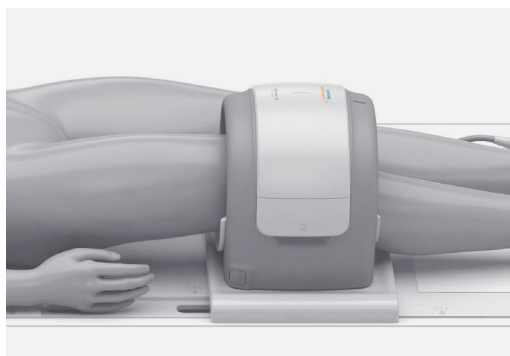
The versatile coils combine ultra-high coil element density with high flexibility for multipurpose imaging. Compared to the standard 4-channel flex coils, resolution can be increased and acquisition time accelerated.

Shoulder Shape 16



The iPAT-compatible 16-channel shoulder coil accommodates small and large shoulders through its anthropomorphic design.

Tx/Rx Knee 18



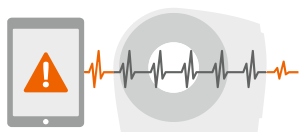
The 18-channel transmit/receive coil with its unique design is especially suited to knee examinations.

Services

Always on. Always in touch.

Today, the service experience goes above and beyond pure maintenance. Service can make the difference to your daily operations and help you evolve. This is why we keep innovating our portfolio and team up with you for enhanced efficiency and optimized clinical outcomes.

With our services, we are by your side whenever you need us. Always on. Always in touch.



UpTime Services

UpTime Services are designed to provide equipment availability and assure long-term quality and safety to allow you to manage (un-)planned downtimes so that your equipment performs optimally.



UpSpeed Services

UpSpeed Services give you access to experts any time to answer technical and clinical application questions remotely and proactively monitor your equipment – for fast and smooth-running operations.

The **Guardian Program**⁷ maximizes your equipment uptime through real-time system monitoring, AI-based prediction mechanisms, and proactive services. It detects and corrects errors before they even occur and turns unplanned downtime into planned activities. Learn more at [siemens-healthineers.com/guardian-program](https://www.siemens-healthineers.com/guardian-program).



UpSkill Services

UpSkill Services enable you to enhance your understanding of the application and technical aspects of our equipment and increase your clinical knowledge.

- **Education & Training** for workforce know-how, efficiency through knowledge, and competency development
- **Optimization & Consulting** for equipment optimization and standardization of imaging protocols and examination workflows

Connect Platforms and Smart Enabler

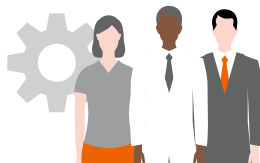
By connecting to our digital platforms – the Connect Platforms – we can enhance your daily operations as they provide access to our service experts, equipment information, and education insights. Customer Services Smart Enablers are top-notch technologies that expedite the delivery of our services in a highly efficient way.

Smart Remote Services (SRS) is a fast, secure and powerful data link that connects your medical equipment to our experts, who provide you with proactive and interactive services that support you in your daily routine and bring speed to your running operations. Learn more at siemens-healthineers.com/srs.



UpLift Services

To keep your assets up-to-date and cybersecure, we provide you with ongoing update and upgrade programs so that your business runs smoothly and sustainably.



UpTeam Services

Team up for flexible solutions for workforce and technology management as well as expertise sourcing to boost efficiency in your operations and help you focus on what matters most: your patients.

Service Plans

Protecting your investment in medical equipment is key to sustainable business success. You can have optimal service coverage with our service plan that perfectly matches your needs. Benefit from maximized equipment performance and improved staff expertise while keeping unplanned service costs to a minimum – so you can enjoy peace of mind.

The **Advance Plans** enable your equipment to be future-proof, cybersecure and highly efficient throughout its entire serviceable life, while at the same time covering your regulatory, quality and financial needs. Learn more at siemens-healthineers.com/advance-plans.

Learn more about the service offerings at siemens-healthineers.com/customer-services

MAGNETOM Sola

Technical specifications

Field strength	1.5 tesla
Bore size	70 cm Open Bore design
System length from cover to cover	1.57 m
System weight (in operation)	4.2 tons
Minimum room size ¹²	28 m ² / 302 ft ²
RF technology	
Maximum number of channels ¹³	204
Number of independent receiver channels that can be used simultaneously in one single scan and with one single FOV, each generating an independent partial image	32, 48, 64
Gradient strength	
	XQ gradients 45/200 simultaneously [2.03 MVA] XJ gradients 33/125 simultaneously [1.25 MVA]
Helium consumption	Zero Helium boil-off technology



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For accessories, please visit:
[siemens-healthineers.com/medical-accessories](https://www.siemens-healthineers.com/medical-accessories)

¹ *Innovision Audio is pending 510(k) clearance and is not yet commercially available in the United States. Its future availability cannot be guaranteed.*

Innovision Display is still under development and not commercially available yet. It is not for sale in the United States. Its future availability cannot be guaranteed.

² *syngo Virtual Cockpit is not commercially available yet in all countries. Its future availability cannot be guaranteed.*

³ *Data on file. Results may vary.*

⁴ *Cardiac Triggering is still under development and not commercially available yet. Its future availability cannot be ensured.*

⁵ *teamplay protocols are applicable for other imaging devices.*

⁶ *MR scanning has not been established as safe for imaging fetuses and infants less than two years of age. The responsible physician must evaluate the benefits of the MR examination compared to those of other imaging procedures.*

⁷ *Guardian deliverables vary by device and are not applicable to all Siemens Healthineers equipment. Ask a local Customer Service representative for advice. Prerequisites: stable SRS connection with adequate bandwidth. Only available when connected to SRS infrastructure.*

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