



Embrace human nature at 3T

MAGNETOM Vida¹ with BioMatrix

siemens.com/vida

SIEMENS
Healthineers 

Our journey to precision medicine

The world's population will grow by 30% to 9.6 billion by 2050, with life expectancy increasing by 10%.² A higher number of ill patients and chronic disease cases will lead to greater cost pressure on healthcare systems. Each and every patient, as well as their disease states, are different and individualized treatments paths are necessary.

The future of healthcare can be precision medicine: the right treatment for any patient, anytime, and anywhere.

In order to pave the way for precision medicine in MRI, one of the greatest challenges – the variability of the patient population – needs to be addressed. Only by overcoming patient variability can healthcare institutions provide standardized results.

Standardization means robust, consistent results are made available, aiding in diagnosis. In the future, this will enable treatment response assessment through quantitative tissue characterization.

Only through this can providers deliver individualized therapy guidance, as well as predict survival and prognosis. MRI will play a major role in this context.



"MAGNETOM Vida and BioMatrix will help our customers achieve fewer rescans, predictable scheduling, and consistent, high-quality personalized examination results. This is just the beginning of where we can go with the technology; we will continue to develop it further to help foster a new era in precision medicine."

Christoph Zindel, M.D.

Senior Vice President, General Manager
Magnetic Resonance, Siemens Healthineers



Embrace human nature with BioMatrix

Patients have unique, individual characteristics. Different physiologies and anatomies – but also the way we interact with them and technology – cause unwanted variability in MRI examinations.

These unique human characteristics, or biovariations, present a challenge and a source of error, rescans, and inefficiency when it comes to MR imaging. This intrinsic patient variability needs to be addressed in order to truly personalize MRI, and pave the way toward precision

medicine. To turn this challenge into an opportunity, we must think differently. Instead of adapting human variability to technology, we adapt technology to humans. We do this by embracing their individual nature – with BioMatrix Technology.



BioMatrix Technology



Anticipate challenges before they happen
with BioMatrix Sensors.



Adapt to all patients, even critical ones
with BioMatrix Tuners.



Accelerate workflows, while increasing quality of care
with BioMatrix Interfaces.

Anticipate challenges before they happen with BioMatrix Sensors



BioMatrix Sensors capture physiological characteristics of the patient, allowing users to anticipate challenging situations before they arise. New ultra-high-density BioMatrix coils utilize seamlessly integrated sensors to acquire and display the patient's respiration

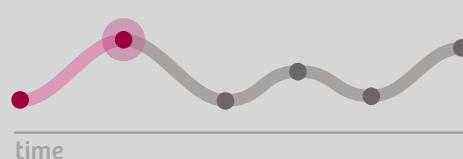
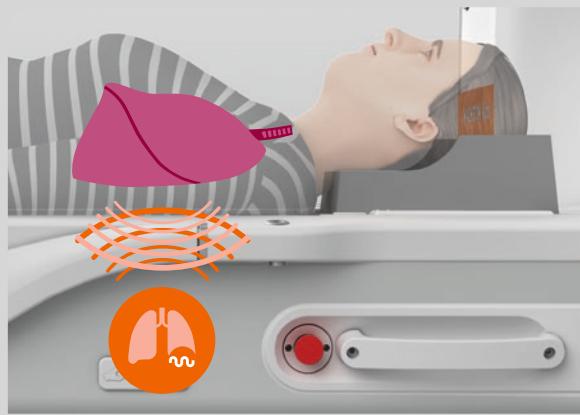
data automatically. Knowing the breathing capacity of a patient enables the user to choose the optimal exam strategy right from the beginning. This information can also be used to actively trigger sequences – combining a streamlined workflow with excellent results.

siemens.com/BioMatrix-Sensors

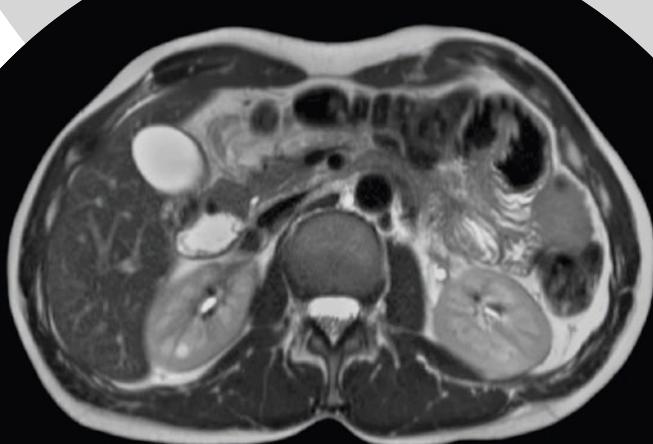
See how it works



Sensors, directly integrated into the spine coil, measure changes of the lung volume. Based on this, breathing curves are automatically derived and can be used to optimize the exam strategy.



Display of patient's respiration data, acquired by BioMatrix Sensors.



T2 HASTE

Respiratory triggered using BioMatrix Sensors – excellent quality results without having to set up respiratory bellows or without having to perform extra measurements utilizing navigators.

Adapt to all patients, even critical ones

with BioMatrix Tuners



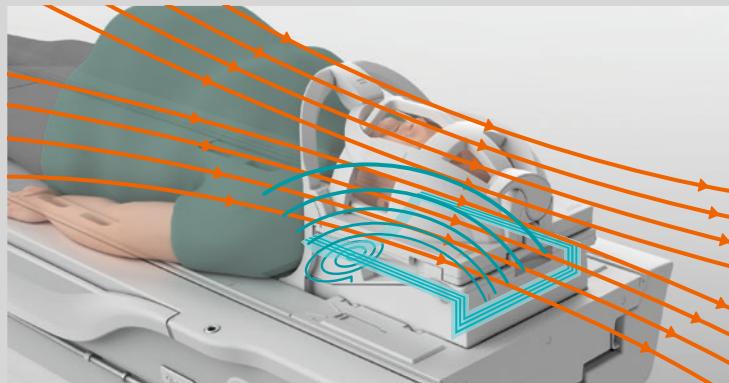
BioMatrix Tuners use CoilShim and SliceAdjust technologies to adapt to challenging anatomical regions. This enables robust and reproducible high-quality imaging for all patients. CoilShim technology, integrated into the new BioMatrix Head/Neck coils,

reduces repeat scans by delivering significantly improved fat saturation and better DWI quality in the Head/Neck region. SliceAdjust provides reliable and distortion-free whole-body DWI scans.

siemens.com/BioMatrix-Tuners

See how it works





Additional shim elements directly integrated into the Head/Neck coil perform region-specific shimming for a more homogeneous B0 field in the challenging head/neck region.

CoilShim

Conventional



With CoilShim



SliceAdjust

Conventional



With SliceAdjust



Anatomical reference

Conventional
adjustments

With SliceAdjust

Accelerate workflows, while increasing quality of care with BioMatrix Interfaces



BioMatrix Interfaces simplify how the user interacts with the MRI scanner, as well as the patient. With one-touch positioning, integrated on the new Select&GO screen, and the underlying BioMatrix BodyModel, patients can be positioned 30%³ faster and reproducible. Simply select the region or organ to be scanned with one touch – and the MRI scanner will take care of the rest, by reliably positioning the patient.

With the BioMatrix patient table, eDrive support provides motorized assistance so that even the heaviest patient can be effortlessly moved to and from the scanner.

siemens.com/BioMatrix-Interfaces

See how it works





Simplify and speed up patient transportation with BioMatrix Interfaces and eDrive support.



Fast and easy positioning with the Select&GO display





Embrace human nature at 3T with **MAGNETOM Vida**

The increasing number of exams, complexity, and cost pressure are placing challenges on MRI. 3T MRI needs to better handle patient variability, deliver robust results for all patient types, and become more cost-effective. MAGNETOM Vida, the first MR scanner with BioMatrix Technology, is equipped to master the challenges facing MRI today. 3T MRI with BioMatrix meets these needs with fewer rescans, predictable patient scheduling, and consistent, high-quality personalized exams.

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MAGNETOM Vida with BioMatrix

Embrace human nature at 3T

Embrace
true 3T
productivity

- Select&GO for easy, fast and reproducible patient positioning
- DotGO protocol management and intelligent scan automation – for high consistency and robustness
- Recon&GO automated inline reconstruction for fast preparation of scan results
- MR View&GO viewing and post-processing capabilities make cases ready-to-read

Embrace
full 3T
performance

- An all-new exceptional 3T magnet design with a large 55 x 55 x 50 cm³ Field-of-View and the siting requirements of a conventional 70 cm 3T MRI
- Up to 60/200 XT gradients – for up to 25% higher SNR³ for diffusion weighted imaging
- Unifying 3T performance, patient comfort, and cost-efficiency with 30% lower energy consumption than the industry average³



The first BioMatrix system

**Embrace
new 3T
clinical
capabilities**

- Perform free-breathing liver dynamics and extend the patient population eligible for MRI with Compressed Sensing GRASP-VIBE
- Perform an entire cardiac examination under free-breathing, capturing the full cardiac MR picture even for severely ill patients
- Perform whole-body MRI exams reliably and predictably – in just 25 minutes⁴



Embrace full 3T performance

3T MRI is synonymous with high-performance clinical MRI, as well as for research. With 3T MRI, the expectation is to push and redefine the limits of what is possible in diagnostic imaging. It will set you apart by serving your specific clinical needs and help distinguish your institute as a center of clinical excellence. MAGNETOM Vida exceeds the level of performance for which 3T MRI was designed with unparalleled magnet and gradient power to support the clinical, operational, and financial requirements MRI is facing today.



Embrace full 3T performance with unparalleled magnet and gradient power

An exceptional 3T magnet design

The foundation of MAGNETOM Vida is an exceptional 3T magnet that incorporates aspects of Siemens Healthineers' ultra-high-field research scanners. MAGNETOM Vida delivers not only a large Field-of-View, but also excellent homogeneity throughout the entire measurement volume. The result: robust and reliable fat saturation throughout the entire imaging volume, especially important in abdominal or off-center applications. Large Field-of-View applications and long-bone imaging will profit from this as well.

A new level of gradient power

MAGNETOM Vida distinguishes itself with a gradient system available on no other commercially available 70 cm 3T system. With a gradient strength of up to 60/200 simultaneously, powered by the strongest gradient amplifiers with up to 2.7 MW per axis – MAGNETOM Vida offers the power previously only available on 3T research scanners, now in a patient-friendly 70 cm scanner. Clinical as well as research MRI applications such as diffusion-weighted imaging benefit greatly from powerful gradients through the increased SNR – up to 25% more than with conventional gradient systems – as well as increased scan efficiency.

Smallest temperature-induced frequency shifts with Frequalizers

Demanding applications can induce temperature changes, leading to center frequency shifts and decreased image quality. To avoid this, an array of temperature sensors ensures stability throughout the entire measurement. The benefit: The scanner always stays on resonance. This ensures higher consistency and reproducibility of results, especially when it comes to follow-up examinations.

55 x 55 x 50 cm³

Field-of-View

for higher
scan efficiency in
abdominal
and extremity
imaging



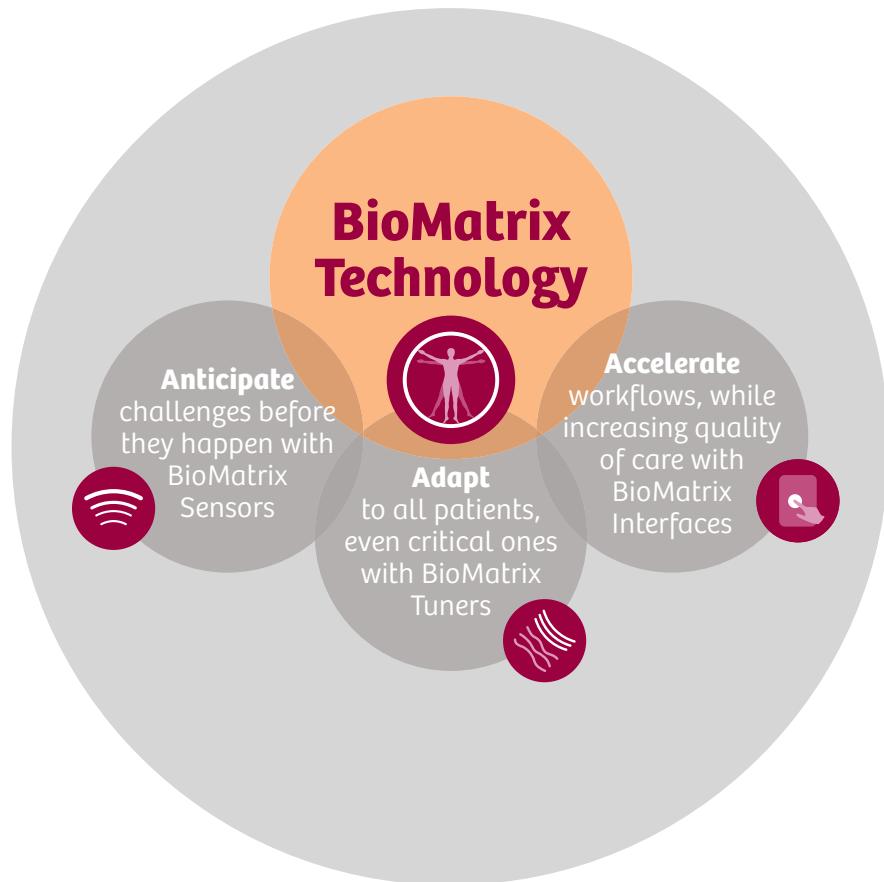
**70 cm
Open Bore**

for greater
patient comfort

**Powerful
gradients with
60/200 with 2.7 MW**
for increased
SNR and
scan efficiency

Frequalizers
ensure long-term
frequency stability
in demanding
applications

BioMatrix: a paradigm shift in MRI to sense patient respiration prior to scanning, to adjust to any patient's body, and to simplify and speed up challenging interactions.



A new technology, tapping 3T's full potential with ease

BioMatrix Technology combines the power of Siemens Healthineers' unique Tim 4G architecture with the ability to embrace the individual nature of each patient, and overcomes the challenge of biovariability.

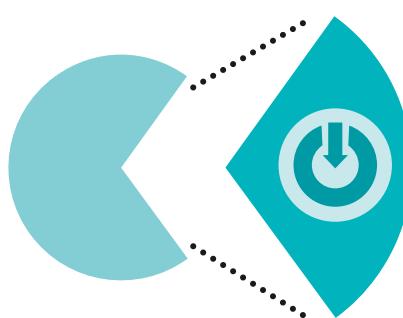
Sense patient respiration prior to scanning, adjust to the patient's body, even for regions that are difficult to scan, and simplify patient handling independent of patient mobility and scan region. All automatically and integrated into our BioMatrix Sensors, BioMatrix Tuners, and BioMatrix Interfaces.

**Compressed
Sensing**
for free-breathing
exams

**Parallel GPU
computing delivers
5 times faster and fully
inline
reconstruction**

GPU accelerated Inline Compressed Sensing

Access patient groups previously excluded from MRI. MAGNETOM Vida redefines 3T performance with a new reconstruction architecture that brings Compressed Sensing applications into the clinical routine. High-quality images based on substantially undersampled data allow for much faster acquisitions, enabling free-breathing examinations in cardiac and abdominal MRI. A powerful reconstruction engine employing parallel GPU computing delivers five times faster⁵ reconstructions of complex compressed sensing data sets, finally making it viable in the clinical routine.



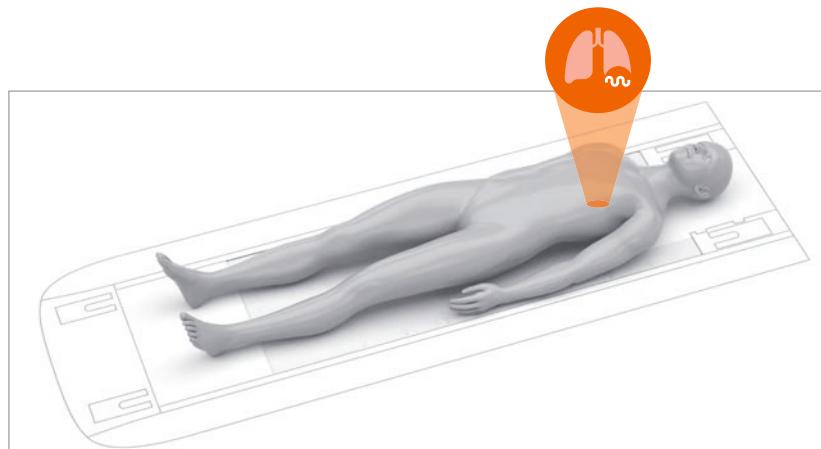
**up to 30%
energy savings**

Optimizing Total Cost of Ownership

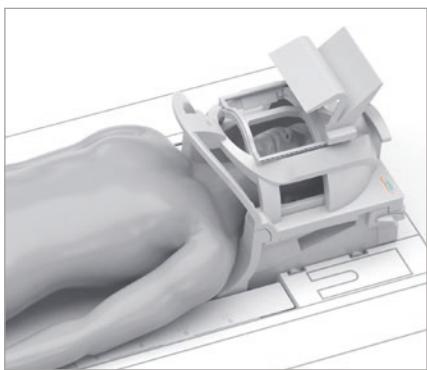
Effective energy management ensures that the exceptional performance of MAGNETOM Vida is provided in a resource-friendly manner. Intelligent power management solutions, such as magnet cold head EcoPower or disabling of power-consuming components during scan breaks, contribute to overall energy savings of up to 30% compared to the industry average (COCIR average of MRI vendors⁶). This makes MAGNETOM Vida the most energy efficient MRI scanner in its class. In addition, MAGNETOM Vida reduces costs even further – additional construction costs are avoided since siting requirements are the same as for conventional 70 cm 3T systems.

BioMatrix Coils: a new generation of ultra-high-density coils that offer more accuracy, flexibility, and speed.

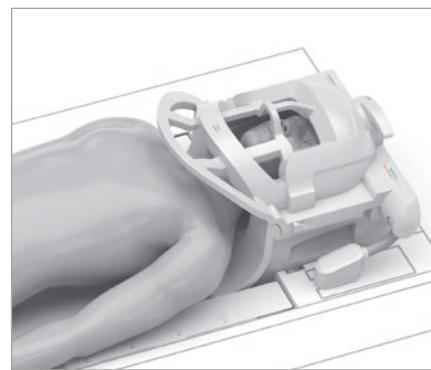
The BioMatrix Spine 32 RS and BioMatrix Spine 72 RS utilize seamlessly integrated BioMatrix Sensors to acquire and display the patient's respiration data without need for user interaction.



BioMatrix Spine 32 RS / BioMatrix Spine 72 RS
with integrated respiratory sensors



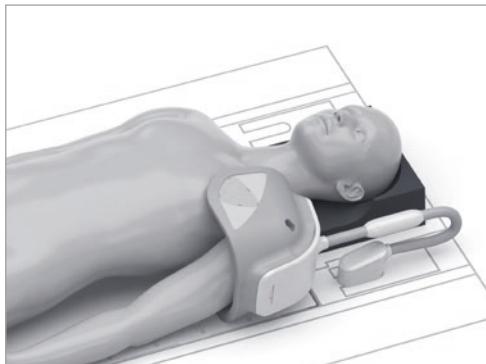
BioMatrix Head/Neck 20
tiltable with CoilShim



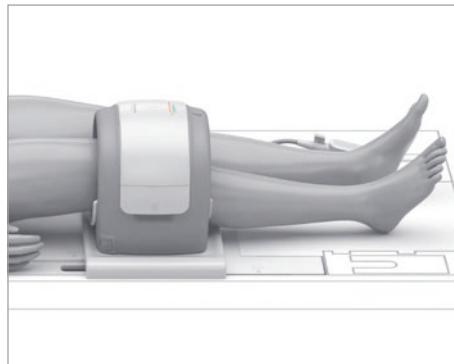
BioMatrix Head/Neck 64
with CoilShim

The integrated CoilShim technology in the BioMatrix Head/Neck 20 and BioMatrix Head/Neck 64 ensures that the challenging head/neck region is automatically and optimally shimmed for reproducible quality in every patient.

New ultra-high element density coils with patient adaptive design.

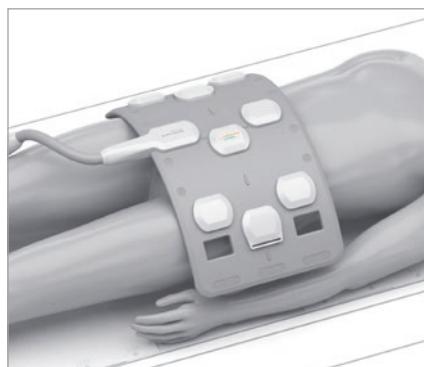


Shoulder Shape 16

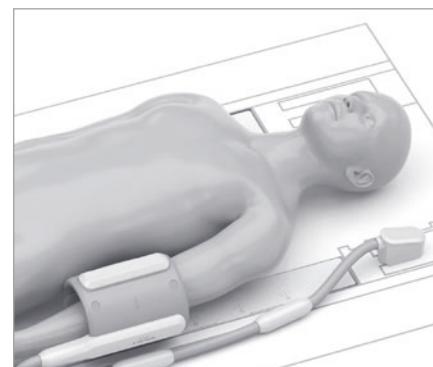


Tx/Rx Knee 18

For orthopedic applications, the new Shoulder Shape 16 and the new Tx/Rx Knee 18 deliver greater flexibility to accommodate larger patients through their anthropomorphic design.



UltraFlex Large 18



UltraFlex Small 18

The new UltraFlex 18 Large and UltraFlex 18 Small combine ultra-high coil-element density with high flexibility, for multipurpose imaging. Compared to standard 4ch flex coils, resolution can be increased and acquisition can be accelerated by up to 54%.³

Uncompromised image quality – even during a biopsy: the new breast coil design of the Breast BI 7 allows all coil elements to be included in the exam. The new Breast BI 7 provides better and a more homogeneous distribution of SNR than conventional 8-channel breast coils. To aid the biopsy procedure, user-friendly features like LED lighting make the coil easy to use.



Breast BI 7

A new work environment. Two monitors enable a comprehensive overview of the scanning environment, fewer context changes between planning, scanning, and postprocessing. Clever interactions and automation steps to make the job easier.





Patient registration and scanning

The left monitor: scanning, planning, and protocol management



MR View&GO: Quality check, reconstructions, and result distribution

The right monitor: new for viewing, quality control, result distribution, and – if desired – the ability to perform advanced postprocessing directly at the scanner

A new user environment:

With its full 3T performance, MAGNETOM Vida offers a new workspace for technicians. Evolving from the very successful *syngo* MR E11, the new *syngo* MR XA10 offers a dual-monitor scanning workplace with larger monitors and a reorganized user interface for a more comfortable scanning and viewing experience.

This dual-monitor setup with separate scan and viewing monitors provides a more natural layout, offering the technician a complete overview of the examination and results. The new user interface reduces constant context switches and user distraction, enabling true multitasking for increased quality and productivity.



Embrace true 3T productivity

For routine MR examinations, such as neuro or orthopedic exams, the most challenging developments for customers are reimbursement pressure and a substantial increase in patient referrals due to changing demographics. This forces imaging providers to shorten exam slot assignments, increasing the risk that any unpredictable event may lead to scheduling delays as well as personnel and patient frustration.

MAGNETOM Vida, with *syngo* MR XA10 and the new GO technologies, embraces true 3T productivity and makes push-button examinations a clinical reality, by addressing the complete workflow, from patient positioning to result distribution.



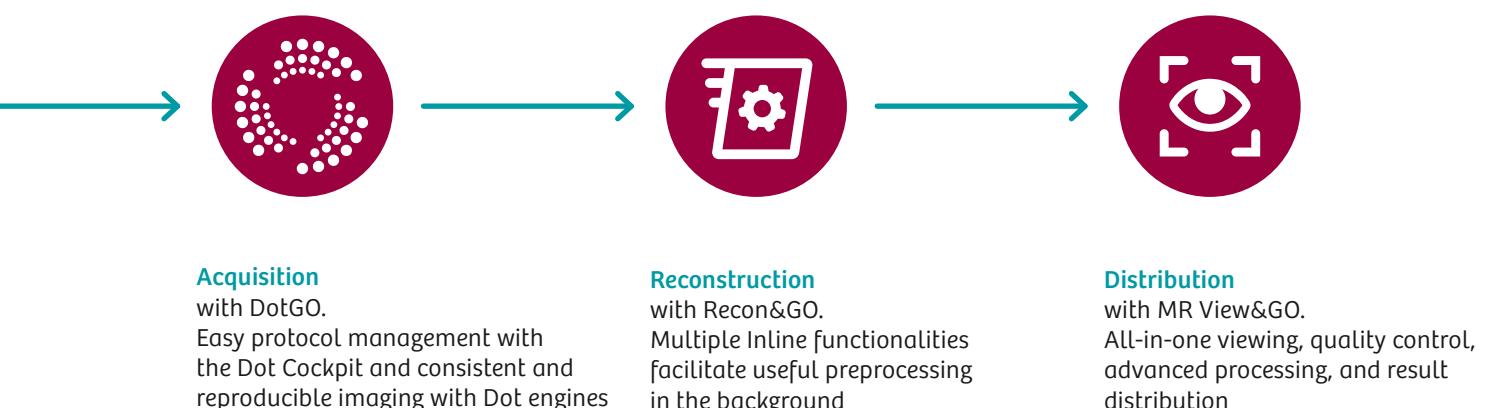
Embrace true 3T productivity with GO technologies



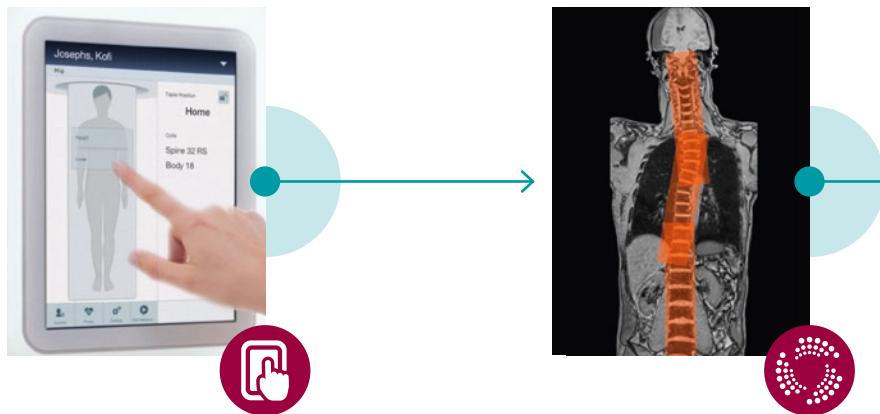
Preparation
with Select&GO.
Touch panels with the
intelligent BioMatrix
BodyModel

GO technologies accelerate workflow beyond scan time reduction, enabling higher throughput and robustness in clinical routine.

GO technologies consist of four main components, each contributing to a specific aspect of workflow optimization:



This multistep approach makes routine imaging simple and fluid, even for challenging patient conditions. GO technologies and BioMatrix enable routine push-button, high-quality imaging, while reducing total workflow time.



Preparation with Select&GO:

BioMatrix Select&GO enables exam positioning with one touch on the display – by anyone, on any patient. The intelligent body model will correctly center the region to be examined, allowing support staff to set up the patient while the technician prepares the scan.

Acquisition with DotGO:

An intuitive Dot workflow with automatic placement of the imaging slices, e.g. using AutoAlign Spine, turns whole-spine imaging into a push-button exam. User guidance and scan assistance save time. New technologies such as CoilTilt and CoilShim reduce the need for rescans in the critical head/neck region.



Reconstruction with Recon&GO:

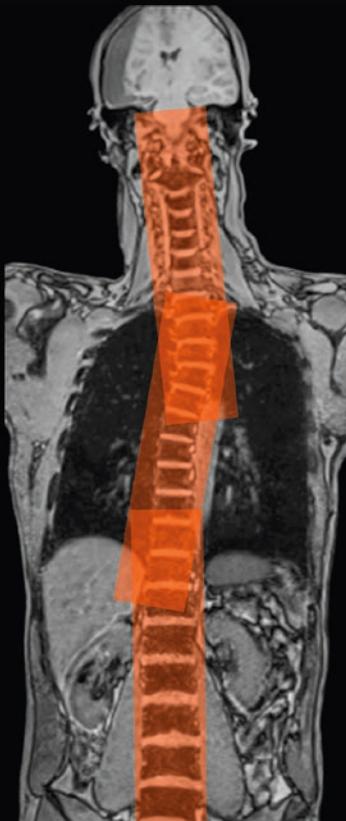
Recon&GO automatically performs postprocessing steps in the background. For example: Vertebrae in the sagittal/axial views are automatically labeled with Inline Spine Labeling, multi-station exams are composed, and Inline MPRs can be calculated without user interaction.

Distribution with MR View&GO:

Dual screens allow the user to control scans on the left monitor while checking the results on the right monitor in real time. Steps such as generating computed high b-value images or 3D reconstructions of the plexus can be easily performed right at the scanner.

Challenging anatomies, such as scoliosis and kyphosis, often cause delays and can lead to diminished image quality.

**AutoAlign Spine
for a push-button workflow**



**Optimized Inline
Composing**

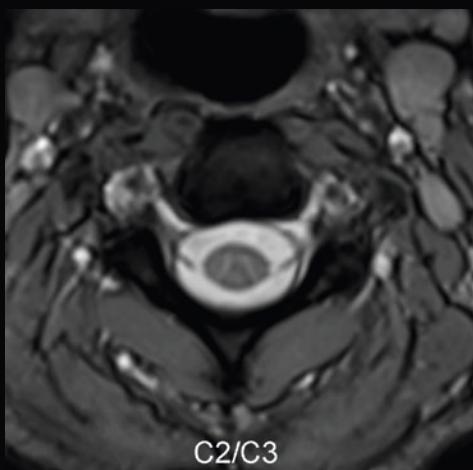


**AutoLabeling
of Sagittals**



Fully automated workflow for push-button spinal exams – from setup to result distribution. AutoAlign Spine automates workflows even for challenging conditions like scoliosis. In combination with BioMatrix Tuners such as SliceAdjust, this makes exams more reproducible and enables you to examine more routine patients per day.

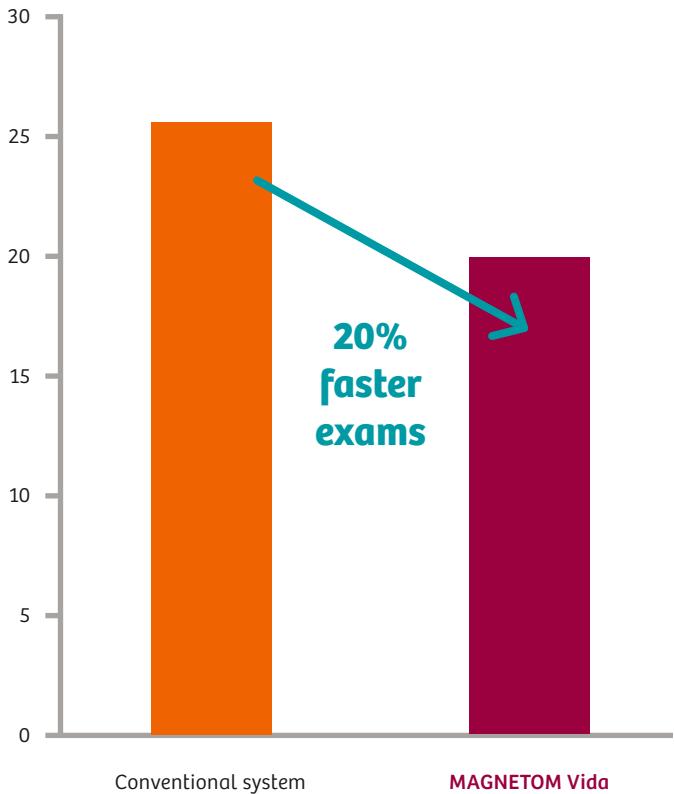
AutoLabeling of Axials



C2/C3



Total workflow for whole-spine exam
(in minutes)



Time savings enabled by:

- Fast and automatic Select&GO positioning
- Push-button whole-spine exam with AutoAlign integrated in DotGO
- InlineComposing with Recon&GO
- AutoLabeling and fast quality control with MR View&GO

Productivity is further enhanced with BioMatrix Technology, which overcomes variability – enabling fewer rescans, predictable scheduling, and consistent, high-quality personalized exams.





Embrace new 3T clinical capabilities

MAGNETOM Vida will help institutions gain access to patients previously excluded from MRI because of their medical condition or the exam's prohibitively complicated nature.

Advanced MR imaging techniques like cardiac MRI or whole-body MRI provide key information for earlier treatment decisions and serve as early prognostic markers. To make them a reliable clinical reality, technical, user-, and patient-dependent challenges have to be met. With its patient-focused technologies and Inline Compressed Sensing applications, MAGNETOM Vida turns challenges into opportunities.

Embrace new 3T clinical capabilities **with Inline Compressed Sensing**

Expand the MR patient population eligible for MRI with free-breathing exams to care for patients previously excluded from MRI. Compressed Sensing can eliminate barriers by accelerating imaging, typically by a factor of 10, and can help enable abdominal and cardiac MRI for challenging patients. Dynamic liver perfusion can now be performed under free-breathing, making MRI accessible to patients who are unable to hold their breath. Cardiac function evaluation can now be offered to all patients, even those with arrhythmia, providing valuable prognostic information. Inline reconstruction enabled by a powerful GPU reconstruction architecture provides immediate access to the results, freeing the scanner for further use.

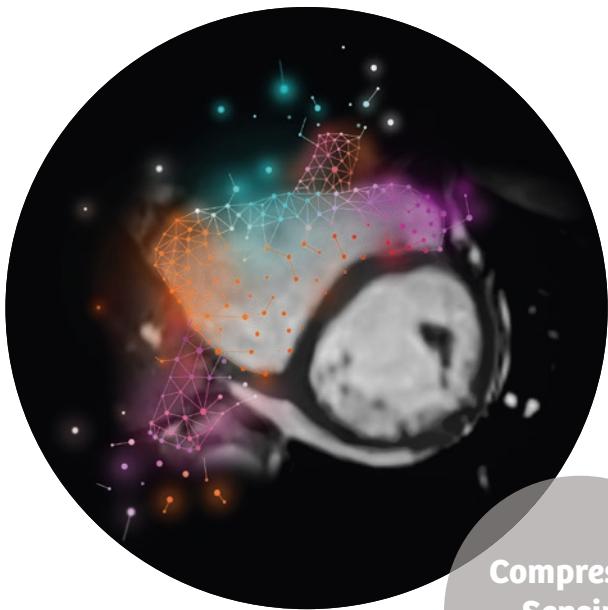


Compressed Sensing GRASP-VIBE

Dynamic contrast-enhanced imaging is a key test to characterize abdominal lesions, but can be challenging for many patients because it requires them to hold their breath several times in a short period of time. For patients who cannot do this, the result is often a nondiagnostic image.

Compressed Sensing GRASP-VIBE, enables push-button, free-breathing examinations of liver dynamics with an extremely simplified workflow. An intelligent framework automatically recognizes the relevant phases of liver dynamics and only the clinically relevant phases are reconstructed with automatic labeling (e.g. arterial phase). Reliable dynamic contrast-enhanced imaging can now be performed for patients previously excluded from MRI.

Beyond speed



Compressed Sensing Cardiac Cine

MR cardiac function imaging is the gold standard for the diagnosis and prognosis in a variety of cardiac diseases, but it is time-consuming and requires a challenging number of breath holds. Image quality for patients with arrhythmia is particularly impaired.

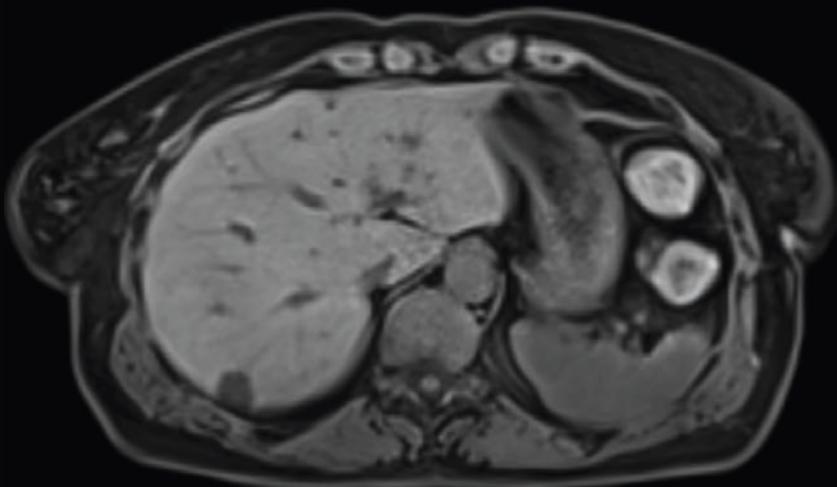
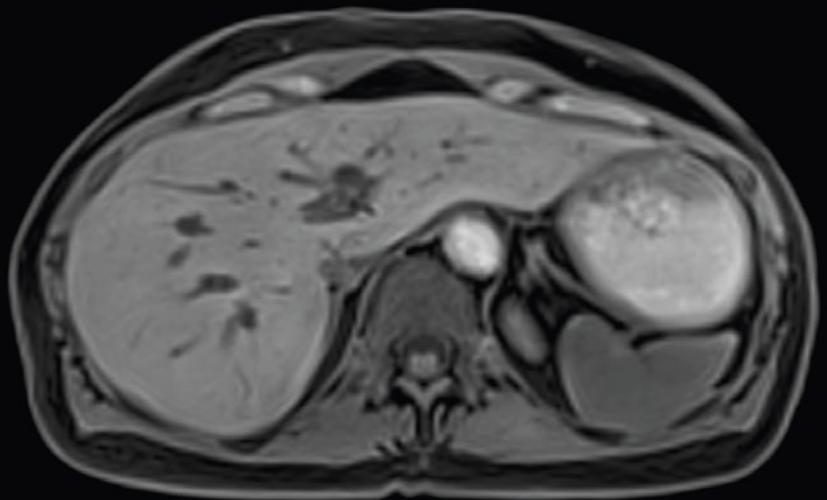
Compressed Sensing Cardiac Cine provides image quality and resolution equal to conventional CINE imaging in free-breathing instead of 7–14 breath-holds. In combination with further leading applications for cardiac imaging, this enables full free-breathing cardiac MRI exams in high quality.

Dynamic liver perfusion can now be performed under free-breathing – making MRI accessible to critical patients with limited or no breath-hold capability, dementia, or hearing impairment.

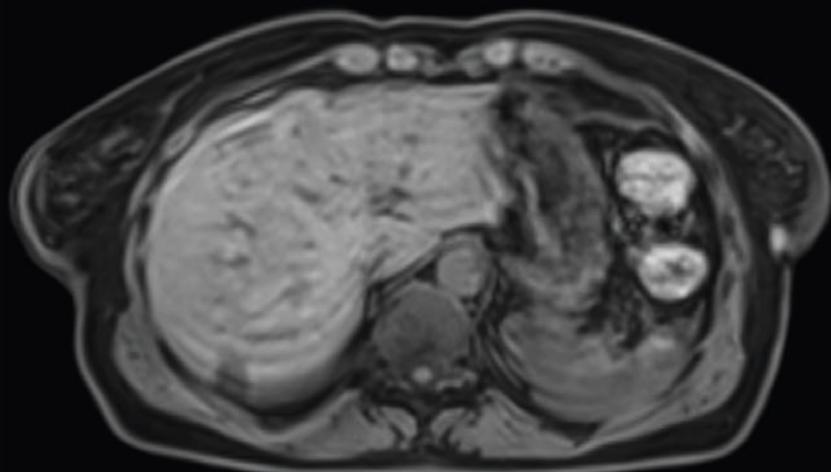
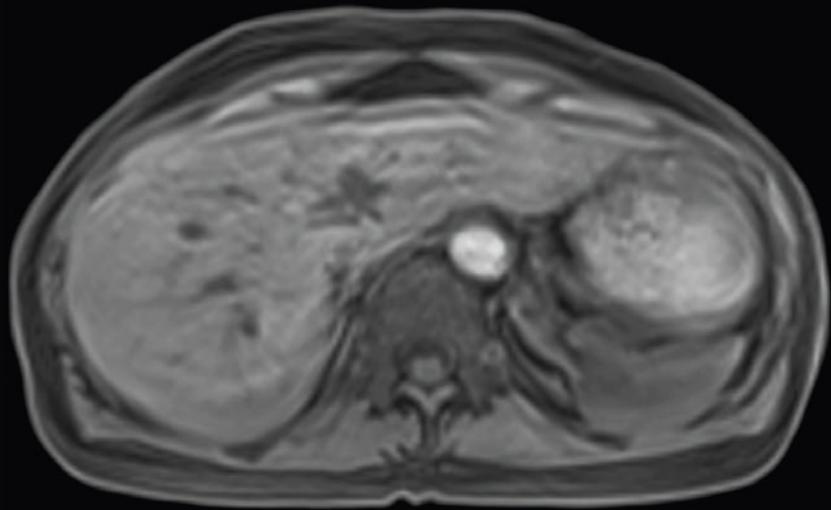
Compressed Sensing GRASP-VIBE

- push-button, free-breathing liver dynamics
- removes timing challenges in dynamic imaging and respiratory artifacts
- outperforms Cartesian VIBE acquisition under free-breathing

Compressed Sensing GRASP-VIBE, free-breathing



Conventional VIBE, free-breathing



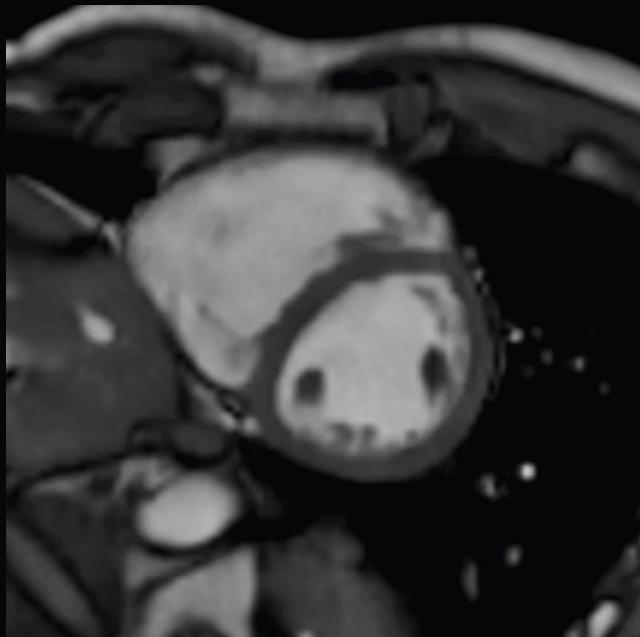
Perform full free-breathing Cardiac MR examinations with our two new Cardiac applications – Compressed Sensing Cardiac Cine and PSIR HeartFREEZE – and expand the patient population eligible for Cardiac MRI.

Compressed Sensing Cardiac Cine

Cardiac function evaluation can now be offered to all patients – even those with arrhythmia.

- Acquire free-breathing, high-resolution Cardiac Cine images
- Capture the whole cardiac cycle for precise quantification
- Expand patient population eligible for cardiac MRI

High-resolution Compressed Sensing Cardiac Cine



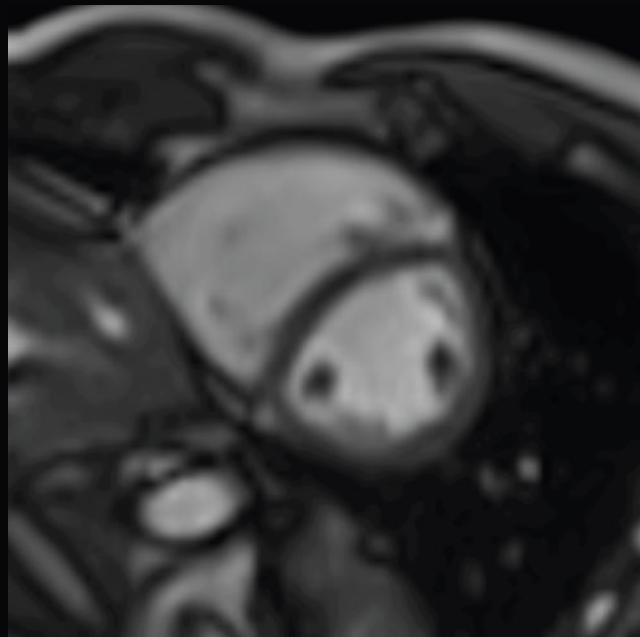
Compressed Sensing Cardiac Cine

1 breath-hold

Matrix 240 x 155

Short-axis

Conventional low-resolution Realtime Cine



Conventional Realtime Cine

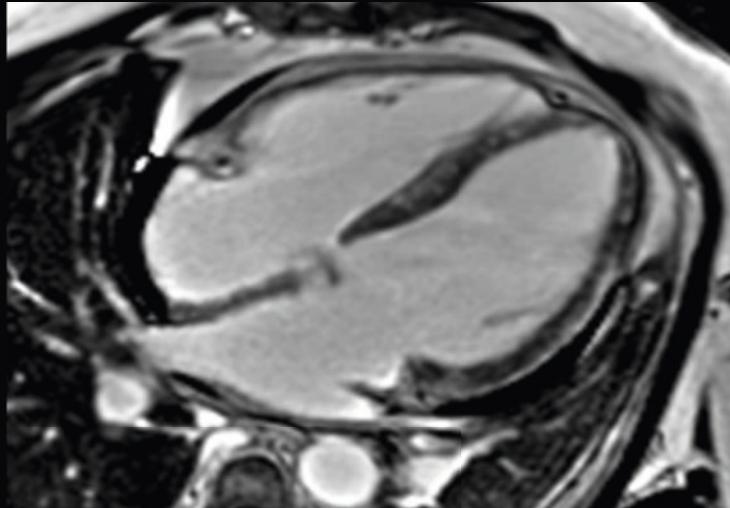
1 breath-hold

Matrix 128 x 66

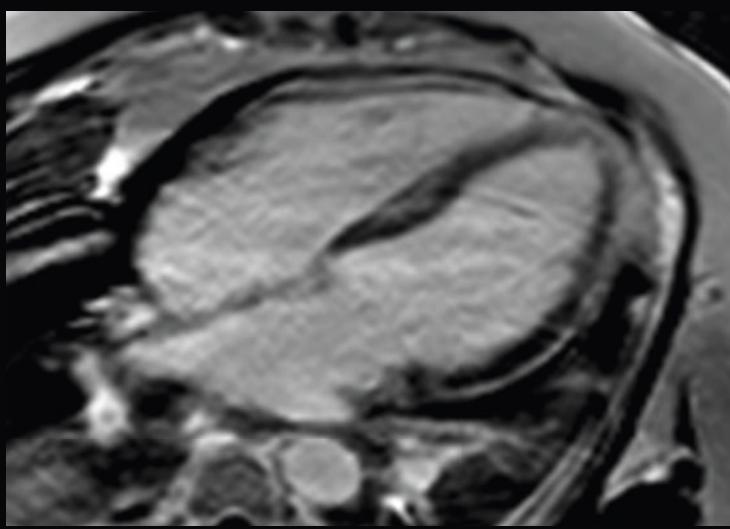
Short-axis

PSIR HeartFREEZE

Motion-robust, delayed Gadolinium Enhancement
is now feasible under free-breathing.
With motion-corrected PSIR HeartFreeze.

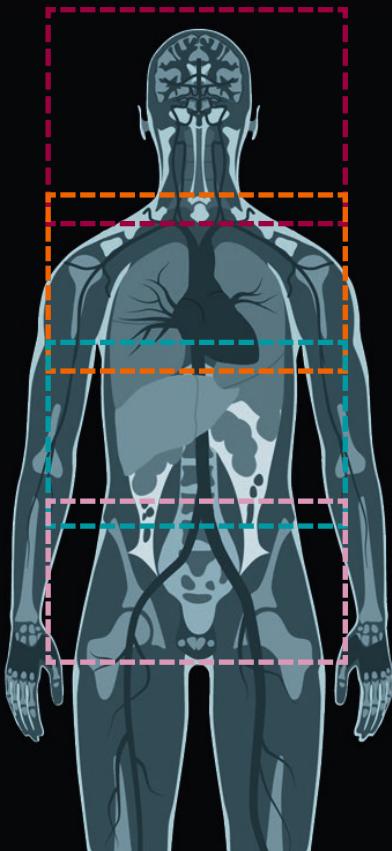


Free-breathing,
motion-corrected LGE



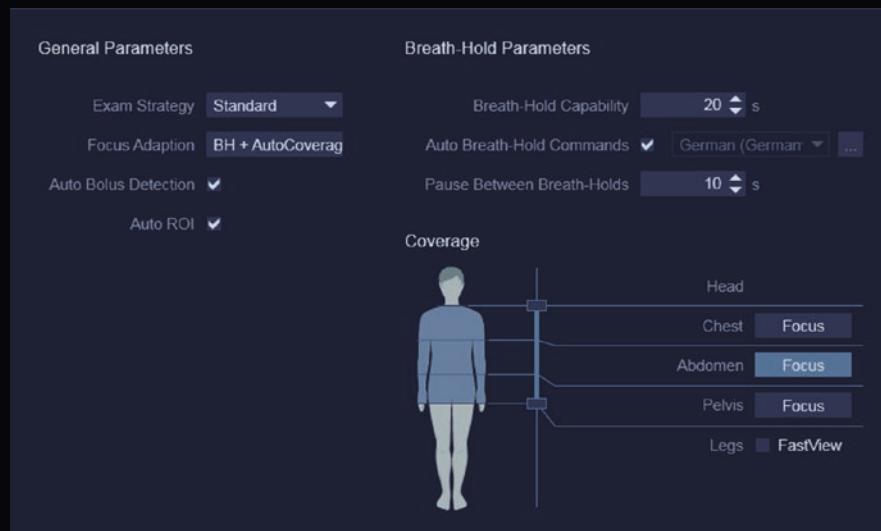
Breath-hold, susceptible
to irregular heart rate

Whole-body MRI has been recently proved to have great potential in supporting the treatment of oncology patients. However, it is traditionally seen as complex and difficult to perform as it covers multiple stages and requires a high skill level to be performed consistently and efficiently.



Whole-body imaging: Treatment and therapy guidelines are evolving just as fast as imaging technology. MRI has recently appeared in numerous guidelines around the world as the imaging modality of choice for a number of clinical questions.

MAGNETOM Vida with BioMatrix Technology will open up possibilities to serve new patient populations, enabling customers to efficiently perform reproducible follow-up exams for response assessment according to MET-RADS-P in patients with metastatic disease.



Whole-Body Dot Engine: Intuitive and guided workflow

The new **Whole-Body Dot Engine** ensures highly reproducible exams and reduces planning and execution of complex whole-body studies to a few clicks in minimal and predictable time slots. Simply select which regions need to be measured and then configure a few patient-specific settings. AutoCoverage and AutoPositioning as part of the guided workflow ensure that all stages are consistent and overlap properly. Images are automatically composed once all data has been acquired.

Diffusion-weighted imaging (DWI) is a key component to whole-body imaging; however, it can be time-consuming and prone to anatomy-related artifacts. BioMatrix Tuners utilizing **SliceAdjust** make it possible to adapt shim parameters for individual slices rather than a global volume. The result: high-quality and reproducible diffusion imaging with excellent SNR, empowered by the strongest gradients in its class.

After acquiring the whole-body data, the **extended postprocessing capabilities** of MR View&GO makes it possible to prepare complex oncology cases directly at the scanner and send them to PACS ready to read. With the inline launch capability of MR Oncology engine on *syngo* MR XA10, prior examinations can be prefetched and registered with the newly acquired data. ROIs can be easily propagated to the new data sets, providing quantitative information about the treatment response.

Whole-body MRI from head to pelvis in 25 minutes⁷

The new Whole-Body Dot Engine reduces the planning and execution of complex whole-body exams to a few clicks by simply selecting which regions need to be scanned, whether a focus region should be investigated, and setting a few patient-specific settings, e.g. breath-hold capability.



High-resolution T2w STIR images



T1w VIBE W images with
excellent fat suppression



Distortion free whole-body DWI
with SliceAdjust

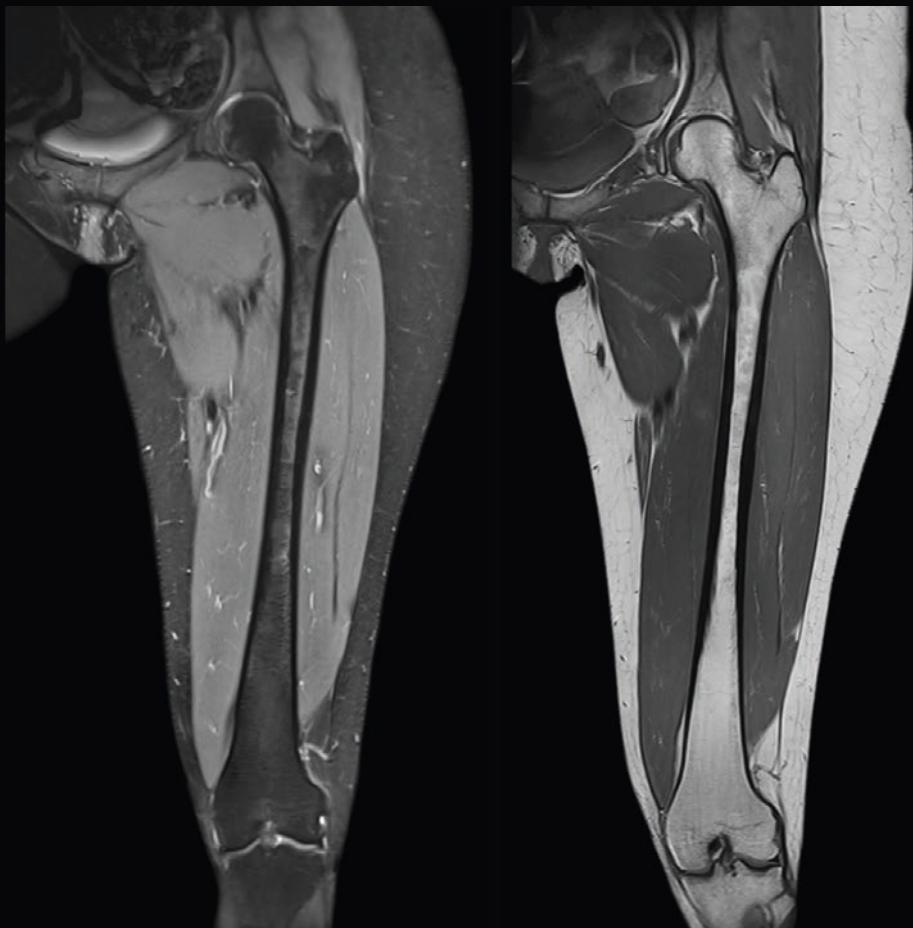


Extended preprocessing capabilities enable further time savings. OncoCare, for example, allows treatment response over time with ADC histograms.

Robust, reliable fat saturation, key in abdominal or off-center applications, is now possible throughout the entire imaging volume. Large Field-of-View applications such as long-bone imaging also benefit.

55 x 55 x 50 cm³ Field-of-View

The large FoV of MAGNETOM Vida enables long-bone exams in one step, with excellent fat saturation and image homogeneity.



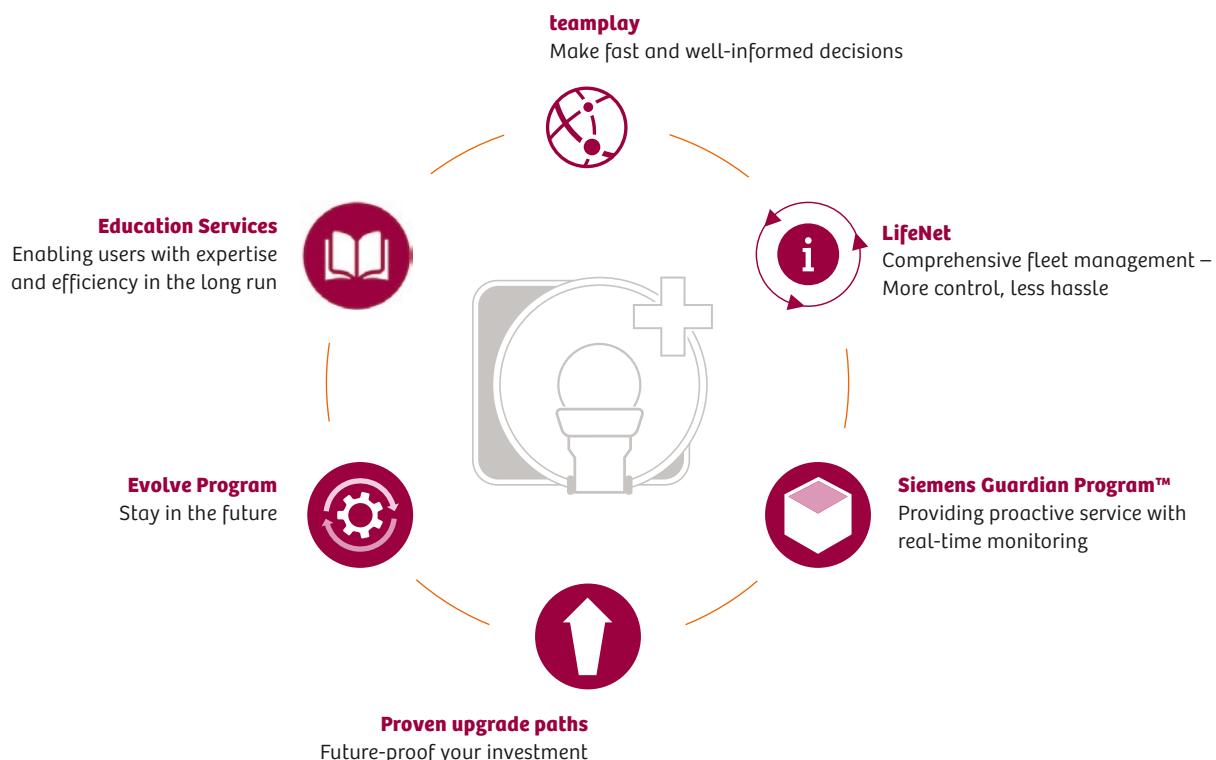


Robust FatSat

Full abdominal coverage from liver dome down to the pelvis allow for comprehensive oncological scans in one station with excellent quality.

Service and exchange

Comprehensive services



Education Services

Personalized education and training keeps your staff's knowledge up to date and leads to enhanced expertise, greater efficiency, and higher productivity. Maintain or improve your staff's expertise as well as your systems' efficiency at a predictable cost with Siemens Healthineers Education

Services. By providing a flexible and efficient training and education experience, Siemens Healthineers helps healthcare providers worldwide unlock their staff's potential and keep their organization at the forefront of clinical diagnosis and corresponding outcome-based treatments.

www.siemens.com/education-services



Evolve Program

An investment protection program to enable you to cost-effectively keep your imaging system technology current, and extend the life of your equipment. Ensure that your imaging system uses the latest software versions and cutting-edge applications – for more accurate diagnostics and greater speed.

Proven upgrade paths

With MAGNETOM scanners, taking your MRI system to the next level is simple, thanks to clearly defined upgrade paths. In fact, Siemens Healthineers has built an entire organization to help customers truly maximize their system life – and in turn, increase their return on investment.

Siemens Guardian Program™

By continuously monitoring systems for possible deviations from current norms, the Siemens Guardian Program helps maximize system availability, makes it easy to detect and resolve system errors, prevents downtime, and avoids the rescheduling that disrupts patient care.

LifeNet

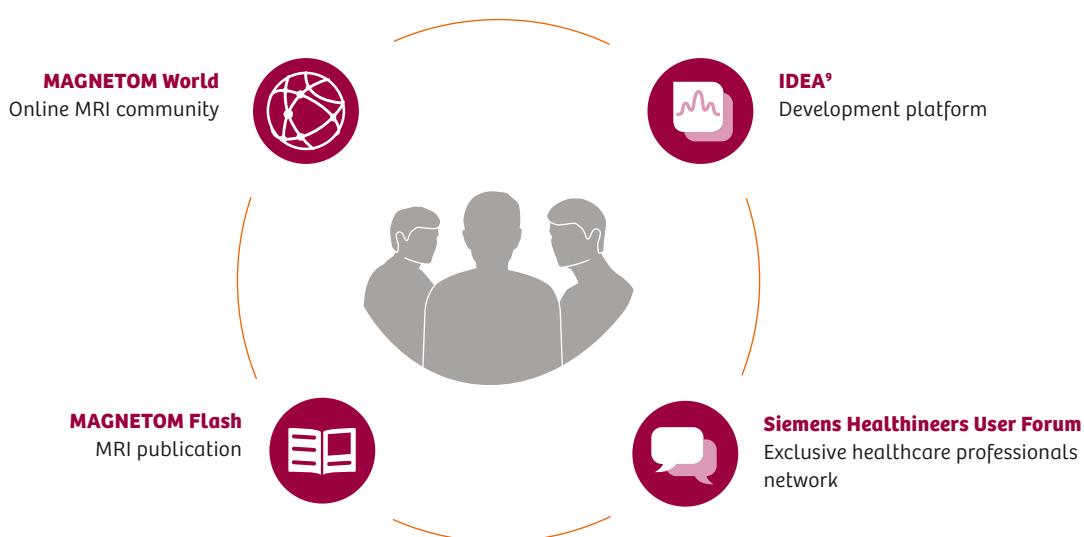
More control and less hassle with a personalized control center safeguarding your fleet's productivity. This web-based portal bundles all service-related activities, documents, and reports in one comprehensive online resource available 24/7, whenever it is needed. LifeNet is provided at no charge to all Siemens Healthineers customers.

teamplay

teamplay grants instant⁸ access to statistics from your imaging device fleet. Its multi-vendor support empowers you to identify improvement potential on all levels of execution. teamplay provides an easy-to-grasp overview of an institution's imaging workflow for enhancing efficiency, competitiveness, and quality of care in one intuitive Plug & Play solution.

Service and exchange

Peer-to-peer information



www.siemens.com/magnetom-world



MAGNETOM World

The global MRI community from Siemens Healthineers offers peer-to-peer support and information. Radiologists, cardiologists, technologists, and physicists have all contributed with protocols, presentations, application tips, case studies, and more – all freely available to you via this unique network.
www.siemens.com/magnetom-world

MAGNETOM Flash – MAGNETOM Vida and BioMatrix special issue

Professor Konstantin Nikolaou (University Hospital Tübingen, Germany) is guest editor of this special issue of the MAGNETOM Flash. Read about improved image quality with SliceAdjust (Peking Union Medical College Hospital, China), about automated chest, abdomen, and pelvis exams with the Whole-Body Dot Engine (University of Zurich, Switzerland), about free-breathing dynamic liver MRI (New York University, NY, USA) and many more clinical advantages of MAGNETOM Vida.

www.siemens.com/magnetom-flash-vida

Siemens Healthineers User Forum

The online space for peer-to-peer clinical knowledge exchange. Listen and engage in different topics that are relevant to your particular field of medicine or research. Easily and directly connect with clinical experts who are sharing their insights and the results of their work with any interested parties, and finally keep up to date with exclusive Siemens Healthineers information. Join and benefit from the exclusive healthcare professionals network.
www.siemens.com/healthcare-userforum

IDEA

IDEA[®] is an open development platform supporting the largest and most active MR research community in the world. It brings users from across the globe together and fosters innovation in the field of MRI. Members collaborate online at www.mr-idea.com.

Technical specifications

MAGNETOM Vida Technical specifications

Field strength	3 Tesla
Bore size	70 cm Open Bore design
System length	186 cm cover to cover
System weight (in operation)	7.35 tons
Minimum room size ¹⁰	31 m ² / 334 ft ²
RF	Tim [204x64]; Tim [228x128]
Gradient strength	XQ gradients 45/200 simultaneously [2.03 MW] XT gradients 60/200 simultaneously [2.70 MW]
Helium consumption	Zero Helium boil-off technology







Why Siemens Healthineers?

At Siemens Healthineers, our focus is to help healthcare providers succeed in today's dynamic environment.

Healthcare providers around the world have long relied upon our engineering excellence – leading-edge, high-quality medical technologies across a broad portfolio. Our technologies touch an estimated 5 million patients globally every day.¹¹ At the same time, they help hospital departments to continuously improve their clinical, operational, and financial outcomes.

We now consolidate this unprecedented volume of data and insights and turn them into pioneering enterprise and digital health services. With those, we maximize opportunities and share risk for the success of your entire health system.

Partnerships are built on people. With Siemens Healthineers, there is no team more committed and more connected than we are to realize your success together.

Engineering success. Pioneering healthcare. Together.

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For accessories, please visit:
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- 1 510(k) pending. The product is still under development and not commercially available yet. Its future availability cannot be ensured.
- 2 United Nations report by United Nations Department of Economic and Social Affairs, June 13, 2013, New York.
- 3 Data on file.
- 4 Values for a 196 cm person.
- 5 Compared to reconstructions with CPU alone.
- 6 Based on COCIR SRI Status Report 2015, data on file.
- 7 Values for a 196 cm person.
- 8 Prerequisites include: wireless connection to clinical network, meeting recommended minimum hardware requirements, and adherence to local data security regulations.
- 9 This website provided by Siemens AG may be used solely in accordance with the general terms and conditions of use, available prior to registration / login on the website itself.
- 10 Minimum total space requirement for magnet, electronics, and console room.
- 11 Siemens AG, "Sustainable healthcare strategy – Indicators in fiscal 2014", pages 3–4.

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