



Delivering the most exciting
equation in MRI.

MAGNETOM Verio

Answers for life.

SIEMENS





We know, we're excited too!

Siemens has set a new benchmark in MRI again. As a proven innovator Siemens is bringing 3T field strength, 70 cm Open Bore and Tim™ (Total imaging matrix) together in one powerful system today, MAGNETOM® Verio.

Invest in the MRI solution that makes you a leader, with the versatility to provide a wide range of clinical applications today and well into the future.





3T + 70

MAGNETOM Verio
A Tim System

SIEMENS

SIENS

cm + Tim

Why MAGNETOM Verio?

As the newest and most feature-rich 3T system available, MAGNETOM Verio helps you to meet your clinical needs, high standards of patient care, and financial requirements.

Why wait?

The industry trend is clear. The competitive advantage goes to those who can offer the best of all worlds: outstanding diagnostic capabilities, patient comfort, and efficient workflow. MAGNETOM Verio is the answer.

Powerful. Affordable. Comfortable.



3T + 70 cm + Tim

You want 3T

Today's market demands MRI systems that deliver high performance and a large application range while also representing a sound investment for the future.

We know 3T

Siemens is a unique 3T innovator. We can prove it.

- More than 10 years of experience in 3T, including the introduction of the world's first 3T whole-body MRI with Tim
- Unique Tim technology that expands the potential of 3T
- 3TCare, the comprehensive solution for Specific Absorption Rate (SAR) enabling maximum efficiency

MAGNETOM Verio brings new benefits.

- A unique combination of 3T and 70 cm Open Bore
- The shortest 3T system on the market today
- Ultra-light magnet with zero helium boil-off
- Large field of view, supporting a full range of clinical applications
- TrueForm™ magnet design offers enhanced image quality by optimizing the homogeneity
- Higher speed and superb image quality powered by the VQ-engine gradient





3T + 70 cm + Tim

You want 70 cm

Patients today demand the highest quality of care, including a comfortable exam experience and the assurance that the diagnosis is the most accurate possible. Siemens' solution is to combine 3T with a 70 cm Open Bore to help you give them just that.

We know 70 cm

Siemens brought you the first 70 cm system at 1.5T in 2004. Now MAGNETOM Verio brings the Open Bore advantage to 3T.

Put your patients at ease

- Limit claustrophobic rejections
- Sedate fewer patients
- Capture sharper images due to less anxiety-related movement

Accommodate patients with special needs and conditions

- Pain and mobility issues
- Respiratory problems
- Kyphosis

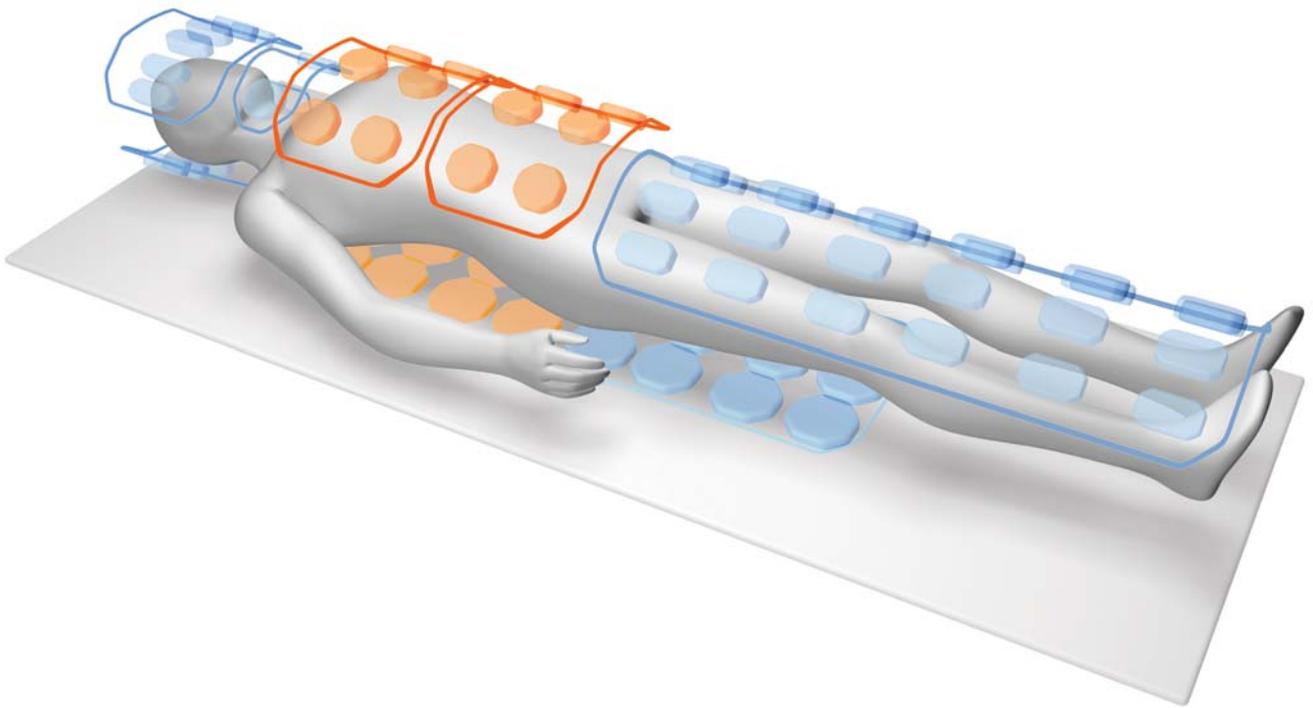
Expand your care to a wider range of patients

- Obese population (up to 250 kg or 550 lbs)
- Claustrophobic patients
- Pediatric* and elderly patients
- ICU patients or those dependent upon medical equipment

Broaden your clinical possibilities

- Easy access in interventional MRI
- Opportunities to perform more kinematic studies





3T + 70 cm + Tim



You want Tim

Today's clinical practice requires fast and accurate diagnosis without compromising business demands. Tim is the breakthrough technology from Siemens that sets a standard in MRI.

We know Tim

Tim was created to increase flexibility, accuracy and speed, making every aspect of your workflow more efficient and productive. Tim provides unmatched workflow benefits. With thousands of installations, Tim keeps proving it every day.

Tim: A revolution in flexibility. Select exams, not coils.

[102x32]. Up to 102 seamlessly integrated Matrix coil elements and up to 32 independent RF channels combined to create one Total imaging matrix. A matrix scalable to both the anatomy under examination and the individual patient size.

Tim: A revolution in accuracy. Local and total.

Matrix coils unleash the high SNR only local coils provide. Extreme precision for single organ exams up to whole-body exams. From 5 mm to 196 cm FoV. Without coil or patient repositioning. For all applications. With up to 100% more SNR.

Tim: A revolution in speed. Parallel in all directions.

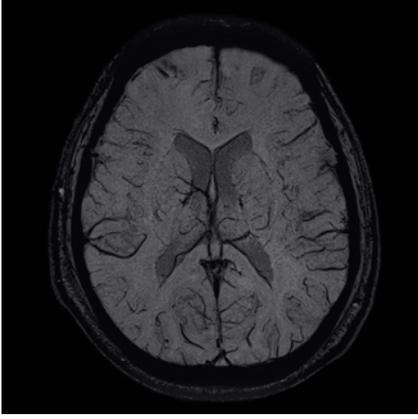
Head to toe, front to back, and side to side for unlimited Parallel Imaging. Up to PAT 16. Even for double oblique slice orientation. Without restrictions in coverage. With the high SNR of standard Matrix coils.

Innovative applications. Powered by Tim.

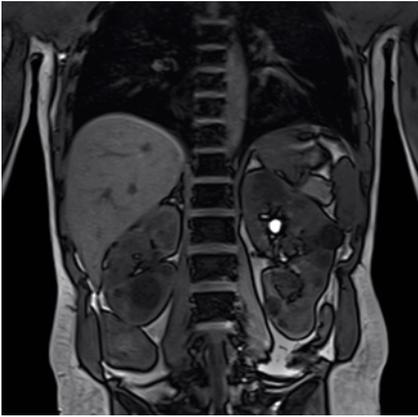
MAGNETOM Verio with I-class allows you to evaluate the most complex pathologies quickly and confidently, handling challenging patients with ease.

Siemens syngo MR applications help you achieve a speed and diagnostic confidence never before possible.

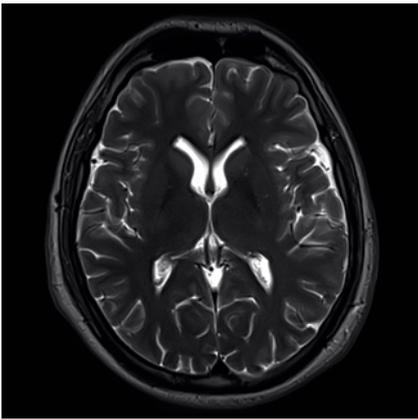




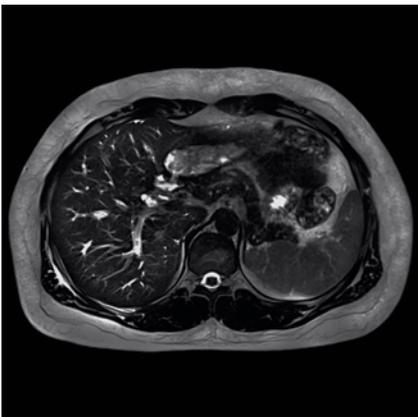
syngo SWI



syngo GRAPPA



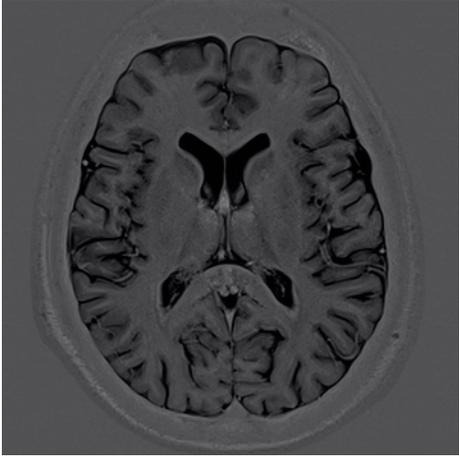
syngo BLADE



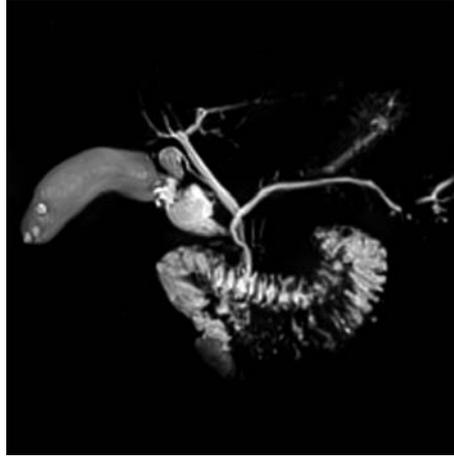
syngo SPACE



syngo TWIST



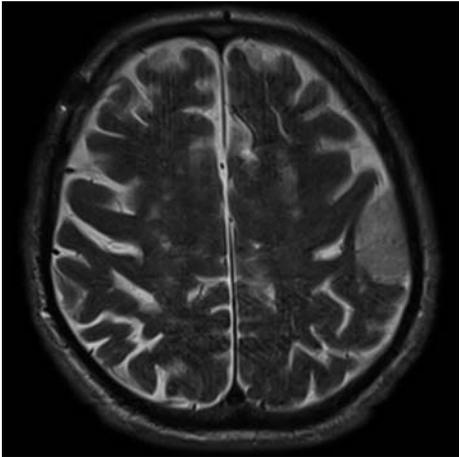
1 mm isotropic resolution in T1 and Dark Fluid contrast acquired in 4:37 min with PAT 2



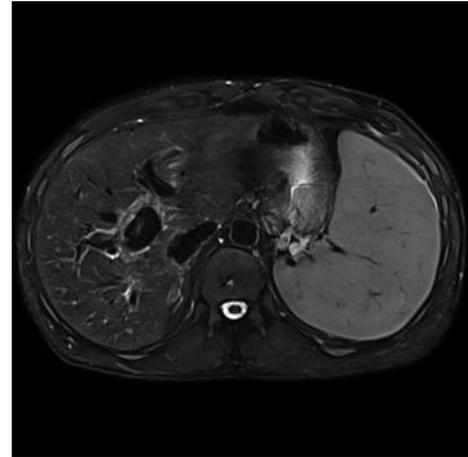
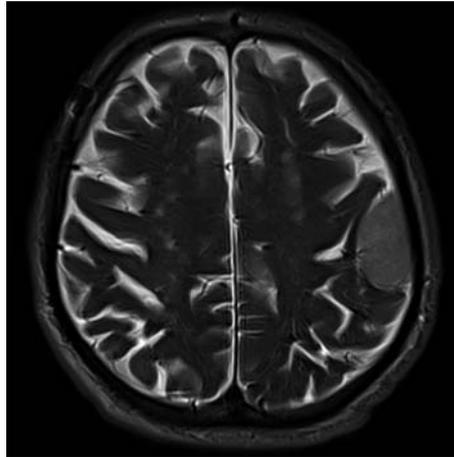
MRCP showing pancreatic tumor, imaged with SPACE, 2D PACE for free breathing and SPAIR for fat saturation at 384 matrix with PAT 3 in 4:45min*.

syngo SPACE

Obtain fast, accurate 3D imaging in all contrasts. Replace multiple 2D acquisitions with only one 3D for complex head, spine, abdomen, pelvic and orthopedic exams. Identify accurate plan locations with retrospective slice positioning on the isotropic dataset. It's all possible with **syngo SPACE**.



4 mm slice thickness in T2 contrast acquired in 2:52 min with T2 TSE (left) and *syngo* BLADE (right) in the presence of motion, showing patient with Meningioma*.



Primary Sclerotic Cholangitis imaged with *syngo* BLADE with 2D PACE for free breathing and SPAIR for fat saturation*.

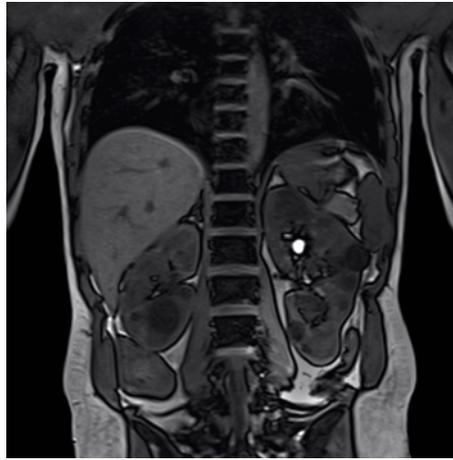


1.2 mm isotropic resolution with 2 second frame-rate and PAT 2





3D FLASH with CE, acquired with 448 matrix and 45 cm FOV with PAT 3 in 16 sec*



3D VIBE with 2 mm slice thickness acquired in 16 s with PAT 3 using GRAPPA

syngo GRAPPA

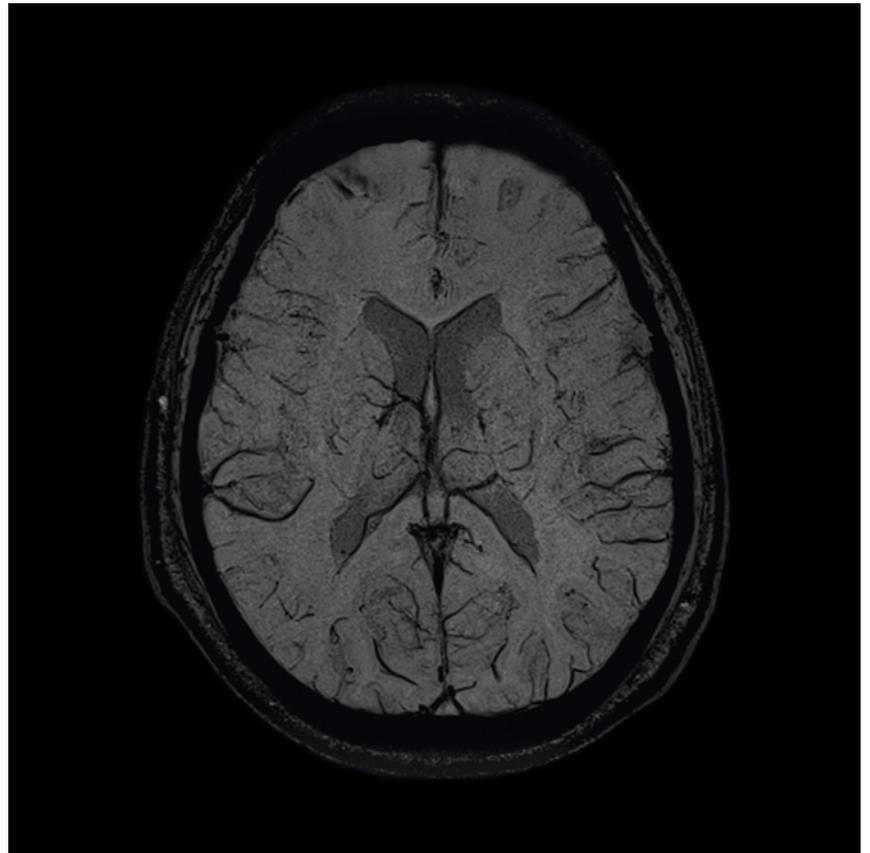
Identify small renal cysts in record time. Require shorter breathholds, increase throughput, speed and temporal resolution with **syngo GRAPPA**.

syngo BLADE

Eliminate motion and obtain robust images in neurological, orthopedic and body procedures with **syngo BLADE**.

syngo TWIST

Assess venous and arterial diseases with dynamic MRI. Perform fast 3D tracking of dynamic processes and 4D angiography. Obtain arterial and venous phases in one scan and provide robust bilateral MRA even in cases of severe stenosis. Achieve subsecond 3D acquisitions with good spatial resolution. Your solution is **syngo TWIST**.



0.5 mm in plane resolution and 1.2 mm slice thickness acquired in 6:38 min with PAT 2

syngo SWI

Visualize intracranial bleeding reliably, including blood products and venous structures. Improve visualization of contusions, shearing injuries

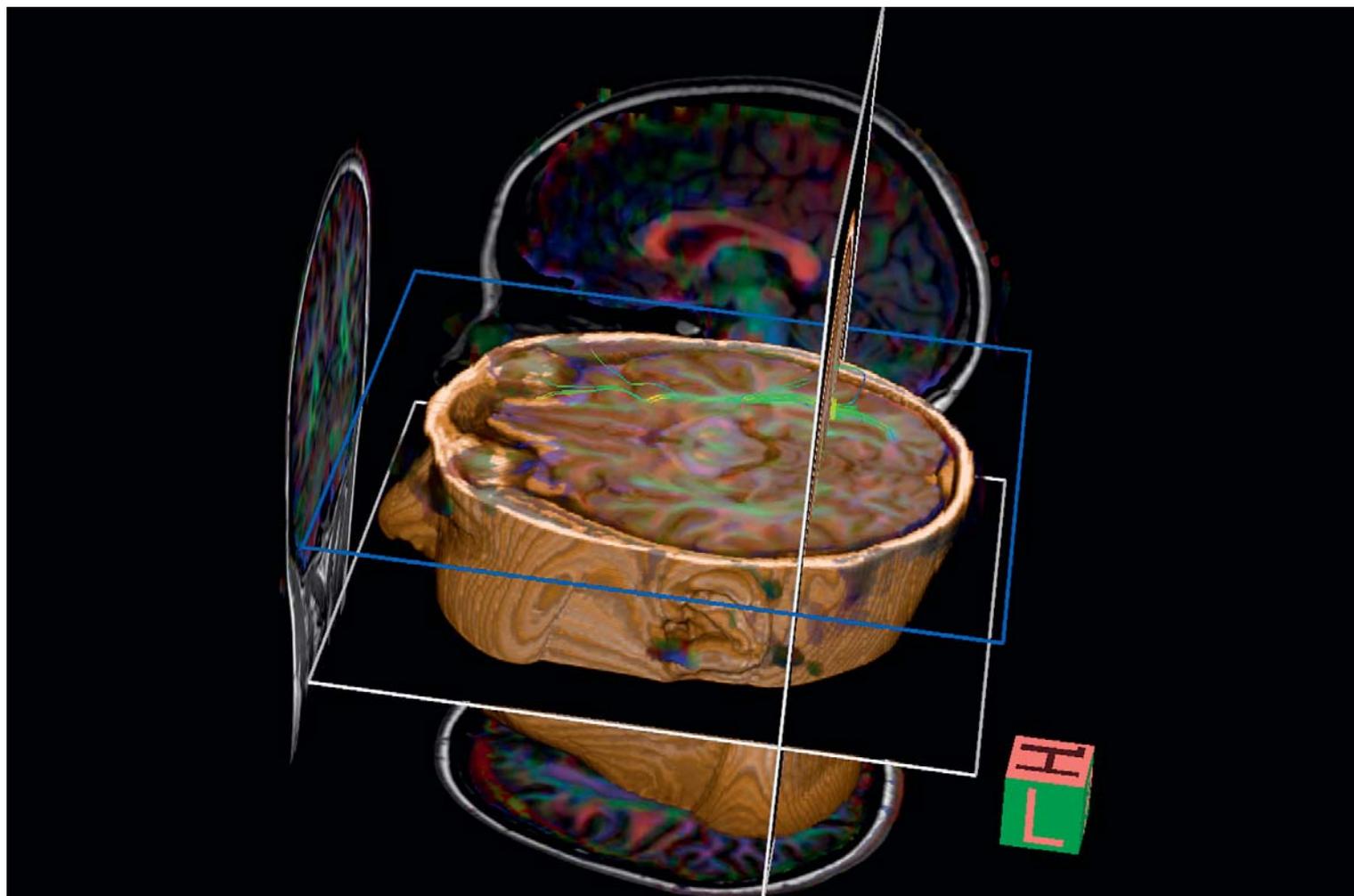
and minute intracranial vascular malformations. Do it all with **syngo SWI** (Susceptibility Weighted Imaging).

Advanced applications will be your routine

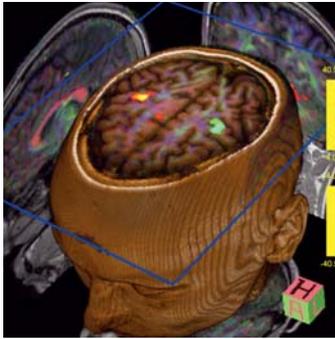
MAGNETOM Verio takes your performance to the next level, enabling you to perform high-end applications in your daily routine.

syngo DTI

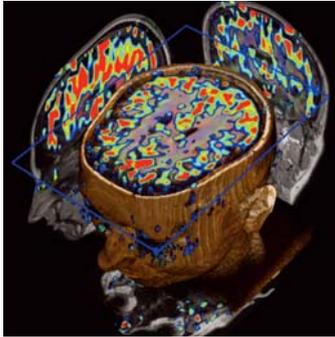
Capture better visualizations of brain connectivity and improve pre-operative screening. One or two clicks reveal full 3D fiber-views. *syngo* DTI (Diffusion Tensor Imaging) can be acquired with up to 256 diffusion directions, enabling ultra-high resolution Tractography.



64-direction, 128 matrix DTI, showing fiber tracks in the path of the optical nerve, fused with 3D MPRAGE and colored Fractional Anisotropy (FA) data, acquired with the 32-channel Head Coil.



128 matrix BOLD EPI showing motor cortex activation fused with 3D MPRAGE and 30-direction diffusion EPI colored FA 3D dataset



syngo ASL with 64 x 64 matrix fused with 3D MPRAGE and 3D colored FA diffusion data

syngo fMRI

Make functional MRI solutions easier to perform, easier to interpret and easier to analyze thanks to Inline Technology. Improve the consistency of data with Siemens-exclusive **3D PACE** prospective motion correction.

syngo ASL

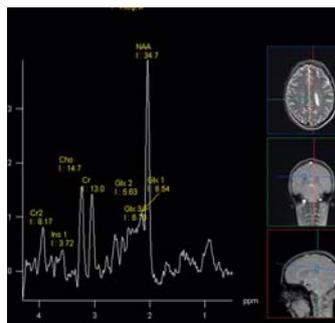
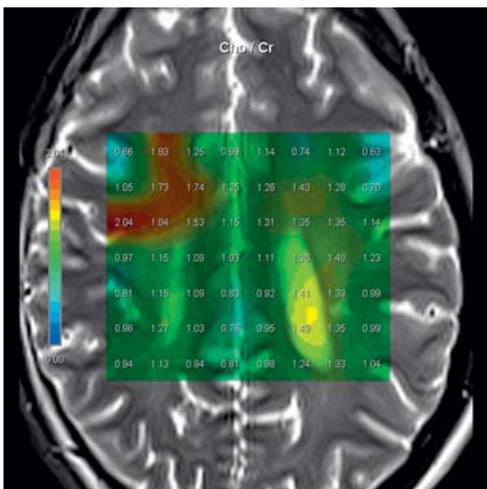
Perform non-contrast enhanced perfusion imaging and evaluate cerebral blood flow, brain function and physiology with **syngo ASL** (arterial spin labeling).

syngo MapIt

Map tissue T1, T2 and T2* in cartilage, liver and any body region in minutes. Detect subtle pathologies with confidence and determine the best course of treatment for conditions such as osteo-arthritic pathology at an early stage with **syngo MapIt**.



T2* cartilage maps overlaid on conventional T2 weighted images



Cho/Cr metabolite map, 2D CSI spectral map and single spectrum acquired with the 12ch Head Matrix coil. The voxel size was 10x10x15 mm. TE was 30 and 20 ms for the SE (left) and the STEAM (right) acquisitions respectively

syngo Matrix Spectroscopy

Enjoy high signal level and clearer metabolite assessment. Acquire single and multi voxel spectroscopy faster. Make post-processing easier than ever with one click, thanks to **syngo Matrix Spectroscopy**.



Take the work out of workflow

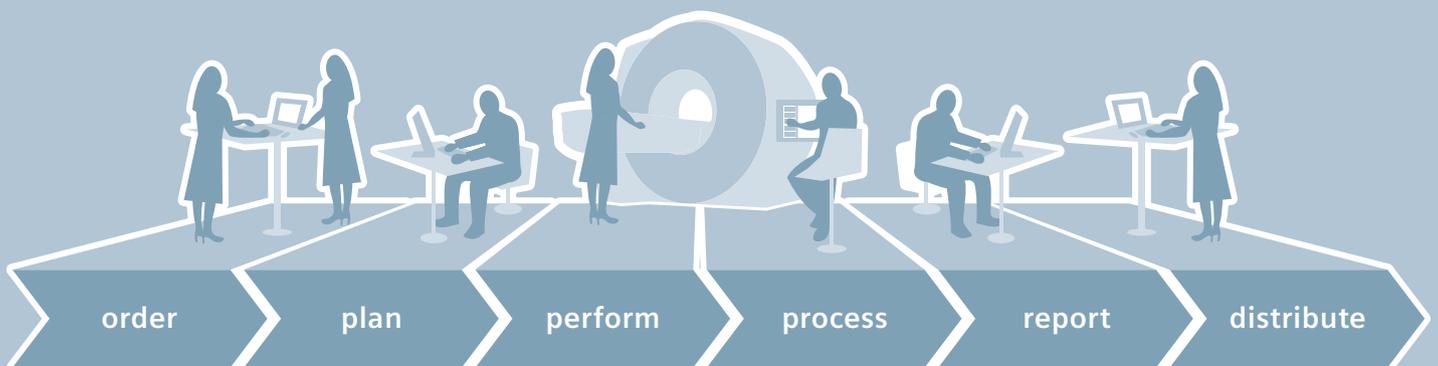
With the power of Tim and the simplicity of **syngo**, MAGNETOM Verio streamlines the entire radiology process, from ordering through planning, performing exams, processing, reporting and distribution.

For seamless workflow at the scanner.

- Expand capabilities with virtually no learning curve with **syngo**, our highly intuitive cross-modality user interface, is the basis for all MAGNETOM Verio applications. Enabling you to expand your capabilities in every clinical MR field.
- Keep on working during reconstruction and display images immediately, rather than wait for post-processing, using **Inline Technology**.
- Reproduce slice positioning in the head and spine. No manual adjustments are required. **AutoAlign** makes it easy to standardize exams so follow-ups provide reliable comparisons.

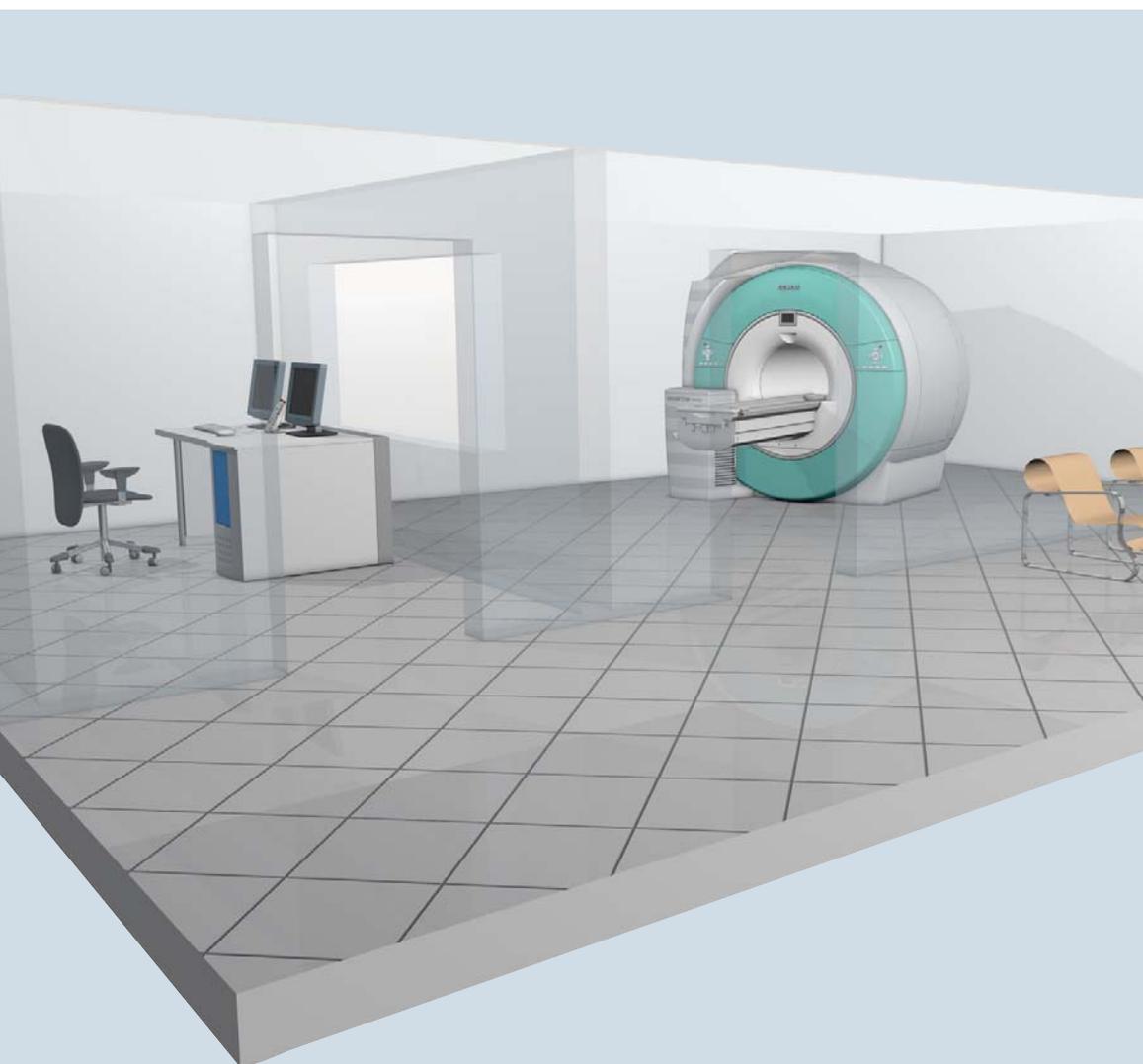
For seamless workflow beyond the scanner.

- Exchange and retrieve entire protocol information in an easy drag-and-drop step. **Phoenix** and **PhoenixZIP** make it easy to access standard protocols that make exams more reproducible.
- Get second opinions and answers to clinical questions while a patient is being scanned. Using **syngo Expert-i**, physicians and experts can remotely access the MR suite from anywhere in the network.



Short, light and easy to install

MAGNETOM Verio is the shortest 3T system available today and has an ultra-light weight magnet. You spend less from the start because the system's size, weight, and stray field minimize siting requirements and costs without compromising performance.



Footprint
Same as 1.5T system

Magnet Weight
6 tons

System Length
173 cm

Stray Field (0,5 mT)
4.7 m x 2.6 m

Total Installation Area
33 m² (1.5T footprint)

Gradient Power
45mT/m @ 200mT/m/s
with up to FoV 50 cm

Perfect fit for your business

Your bottom line has always been part of our equation. Siemens designed and manufactured MAGNETOM Verio to be the most feature-rich 3T system on the market, putting you ahead of the competition today and keeping you at the forefront of MRI tomorrow.



Maximize your revenue

The MAGNETOM Verio offers greater patient access and comfort made possible by the 70 cm Open Bore resulting in higher throughput and more referrals. Patients of various shapes and sizes (up to 250 kg or 550 lbs) feel less discomfort and anxiety, reducing the need for sedation and minimizing claustrophobic rejections. In addition, Tim technology helps increase throughput and shortens scan time, which creates an opportunity to increase your procedure volume.

In today's competitive market MAGNETOM Verio gives you the opportunity to truly differentiate your practice. 3T + 70 cm + Tim and cutting edge applications all adds up to more marketability, more recognition and more referrals.



Service beyond the smile

Everybody smiles when the contract is signed, but a real collaboration includes strong support that lasts well beyond the sale.

- Ease your transition to 3T and get the most out of your system, from the time of purchase and grow continuously with our 3T Fellowships and a wide range of training courses.
- Get real-world support from other users and download protocols as part of the MAGNETOM World online community.
- Remain at the cutting edge of technology well into the future with *syngo* Evolve, our obsolescence protection program.



The industry trend is clear. The competitive advantage goes to those who can offer the widest range of applications to the greatest number of patients.

3T + 70 cm + Tim

Clinical perspective

- Benefit from 3T field strength, resolution and speed
- Accommodate a wider range of patients with Open Bore
- Improve your accuracy, speed and flexibility with Tim technology

Patient perspective

- Make exams more comfortable with Open Bore and lightweight coils
- Avoid patient repositioning with Tim flexible coil combination
- Speed exams without compromised quality using Tim technology

Business perspective

- Maximize volume and referrals by scanning a broader range of patients
- Increase throughput thanks to clinical versatility and productivity powered by 3T + 70 cm + Tim
- Minimize siting and operating costs by choosing the shortest, ultra-light magnet with zero helium boil-off that fits into a 1.5T footprint

SIEMENS

MAGNETOM Verio
A Tim System



The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

Siemens reserves the right to modify the design and specifications contained herein without prior notice. Please contact your local Siemens Sales representative for the most current information.

syngo Evolve Package: In the event that upgrades require FDA approval, Siemens cannot predict whether or when the FDA will issue its approval. Therefore, if regulatory clearance is obtained and is applicable to this package, it will be made available according to the terms of this offer.

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Please find fitting accessories:
www.siemens.com/medical-accessories

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