



North Carolina Department of Health and Human Services
Division of Health Service Regulation

Pat McCrory
Governor

Aldona Z. Wos, M.D.
Ambassador (Ret.)
Secretary DHHS

Drexdal Pratt
Division Director

February 4, 2014

Dee Jay Zerman, Director, Regulatory Planning
James T. Hedrick Building
211 Friday Center Drive, Suite G015
Chapel Hill NC 27517

Exempt from Review - Replacement Equipment

Facility: Rex Hospital
Project Description: Replace MRI scanner
County: Wake
FID #: 953429

Dear Ms. Zerman:

In response to your letter of January 15, 2014, the above referenced proposal is exempt from certificate of need review in accordance with N.C.G.S 131E-184(a)(7). Therefore, you may proceed to acquire, without a certificate of need, the Siemens Magnetom Aera 1.5T MRI scanner to replace the existing Philips 1.5T MRI scanner [Serial # 20120]. This determination is based on your representations that the existing unit will be removed from North Carolina and will not be used again in the State without first obtaining a certificate of need. Further please be advised that as soon as the replacement equipment is acquired, you must provide the CON Section and the Medical Facilities Planning Section with the serial number of the new equipment to update the inventory, if not already provided.

Moreover, you need to contact the Construction and Acute and Home Care Licensure & Certification Section to determine if they have any requirements for development of the proposed project.

It should be noted that this Agency's position is based solely on the facts represented by you and that any change in facts as represented would require further consideration by this Agency and a separate determination. If you have any questions concerning this matter, please feel free to contact this office.

Sincerely,

Michael J. McKillip
Project Analyst

Martha J. Frisone, Interim Chief
Certificate of Need Section

cc: Construction Section, DHSR
Acute and Home Care Licensure and Certification Section, DHSR



Certificate of Need Section

www.ncdhhs.gov

Telephone: 919-855-3873 • Fax: 919-733-8139

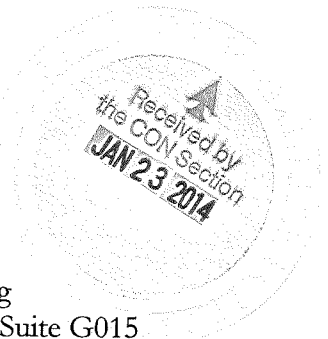
Location: Edgerton Building • 809 Ruggles Drive • Raleigh, NC 27603

Mailing Address: 2704 Mail Service Center • Raleigh, NC 27699-2704

An Equal Opportunity/ Affirmative Action Employer



Mike



James T. Hedrick Building
211 Friday Center Drive, Suite G015
Chapel Hill, NC 27517

January 15, 2014

Michael J. McKillip, Project Analyst
Certificate of Need Section
Division of Health Service Regulation, DHHS
2704 Mail Service Center
Raleigh, NC 27699-2704

RE: Request for Exemption / Replacement of MRI Scanner / Rex Hospital, Inc. / Wake County

Dear Mr. McKillip:

Rex Hospital is planning to replace one of its MRI scanners and is requesting confirmation that the replacement of this equipment is exempt from review pursuant to 131E-184(a)(7). The MRI scanner to be replaced is located in Rex Hospital at 4420 Lake Boone Trail in Raleigh, NC. The MRI scanner will be replaced for less than the \$2M CON threshold for replacement equipment and will be replaced with equipment comparable to the existing equipment, in accordance with NCGS 131E-176(22a). The existing scanner was placed in service in 2005, and is used on a daily basis. The existing equipment requires replacement due to its age and declining image quality. This type of situation leads to added costs, operational delays, and patient, staff and physician dissatisfaction.

We are supplying the following information that the CON Section has requested in the past as a part of its general information request for an equipment replacement.

1. A comparison of the existing and replacement equipment, using the format in the following table:

<i>Equipment Comparisons</i>	EXISTING EQUIPMENT	REPLACEMENT EQUIPMENT
Type of Equipment (List Each Component)	Achieva Nova	Magnetom Aera
Manufacturer of Equipment	Philips	Siemens
Tesla Rating for MRIs	1.5T	1.5T
Model Number	781178	Part number 14416900
Serial Number	20120	Unknown
Provider's Method of Identifying Equipment	Serial number	Serial number
Specify if Mobile or Fixed	Fixed	Fixed
Mobile Trailer Serial Number/VIN #	NA	NA
Mobile Tractor Serial Number/VIN #	NA	NA
Date of Acquisition of Each Component	5/30/05	Pending Agency Approval
Does Provider Hold Title to Equipment or Have a	Own	Own

Capital Lease?		
Specify if Equipment was/Is New or Used When Acquired	New	New
Total Capital Cost of Project (Including Construction, etc.) <Use Attached Form>	Unknown	\$1,558,042
Total Cost of Equipment	Unknown	\$1,200,000
Fair Market Value of Equipment	\$158,000	\$1,200,000
Locations Where Operated	Rex Healthcare, Raleigh, NC	Rex Healthcare, Raleigh, NC
Number of Days in Use/To Be Used in N.C. Per Year	365	365
Percent of Change in Patient Charges (by Procedure)	NA	Less than 10%
Percent of Change in Per Procedure Operating Expenses (by Procedure)	NA	Less than 10%
Type of Procedures Currently Performed on Existing Equipment	MRI	
Type of Procedures New Equipment is Capable of Performing		MRI

2. *A description of the basic technology and functions of the existing and replacement equipment, including the diagnostic and treatment purposes for which the equipment is used or capable of being used.*

Response: The existing Phillips Achieva Nova will be replaced with a Siemens Magnetom Aera MRI scanner. Both systems are used to perform magnetic resonance imaging studies. The replacement lab will provide state-of-the-art imaging. Both MRI scanners are 1.5 Tesla and are of open or short bore. Both scanners use strong magnetic fields and radio waves to produce images of organs and internal body structures. Both machines are also able perform studies using magnetically active contrast agents. The replacement MRI Scanner combines Total Imaging Matrix and Day Optimizing Throughput technologies.

3. *Brochures or letters from the vendors describing the capabilities of the existing equipment and the replacement equipment.*

Response: A product brief of the existing Phillips Achieva Nova is attached as Exhibit 1. A copy of a brochure from the vendor describing the proposed replacement Siemens Magnetom Aera is attached as Exhibit 2.

4. *A copy of the purchase order for the existing equipment, including all components and original purchase price.*

Response: A copy of the original purchase order and quote is not available. Staff has not been able to confirm the original purchase price or cost. Additionally, a product brochure of the existing Phillips Achieve Nova is attached as Exhibit 1.

5. *A copy of the title, if any, for the existing equipment or the capital lease for the existing equipment.*

Response: Not applicable. The equipment does not have a title and will not be leased.

6. *If the replacement equipment is to be leased, a copy of the proposed lease that transfers substantially all the benefits and risks inherent in the ownership of the equipment to the lessee of the equipment, in accordance with criteria in Generally Accepted Accounting Principles (GAAP).*

Response: Not applicable. The replacement equipment will not be leased.

7. *If the replacement equipment is to be purchased, a copy of the proposed purchase order or quotation, including the amount of the purchase price before discounts and trade-in allowance.*

Response: A copy of the quote received from Siemens for the replacement MRI scanner is attached as Exhibit 3.

8. *A letter from the person taking possession of the existing equipment that acknowledges the existing equipment will be permanently removed from North Carolina, will no longer be exempt from requirements of the North Carolina Certificate of Need law, and will not be used in North Carolina without first obtaining a new certificate of need.*

Response: The vendor, Siemens, will take possession of the unit and remove it from the site as Siemens installs the replacement unit. The unit will be taken out of state by Siemens and will not be used in NC without obtaining certificate of need approval. See Exhibit 3 for a confirmation letter from Siemens.

9. *Documentation that the existing equipment is currently in use and has not been taken out of service.*

Response: Rex's existing operational MRI scanners are clearly identified on the most Licensure Renewal Application form on file with DFS. A copy of the 2014 LRA can be provided upon request.

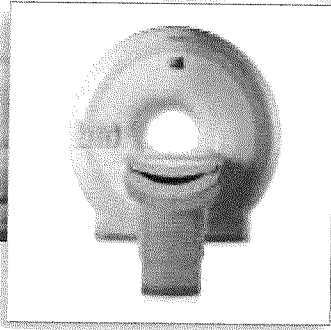
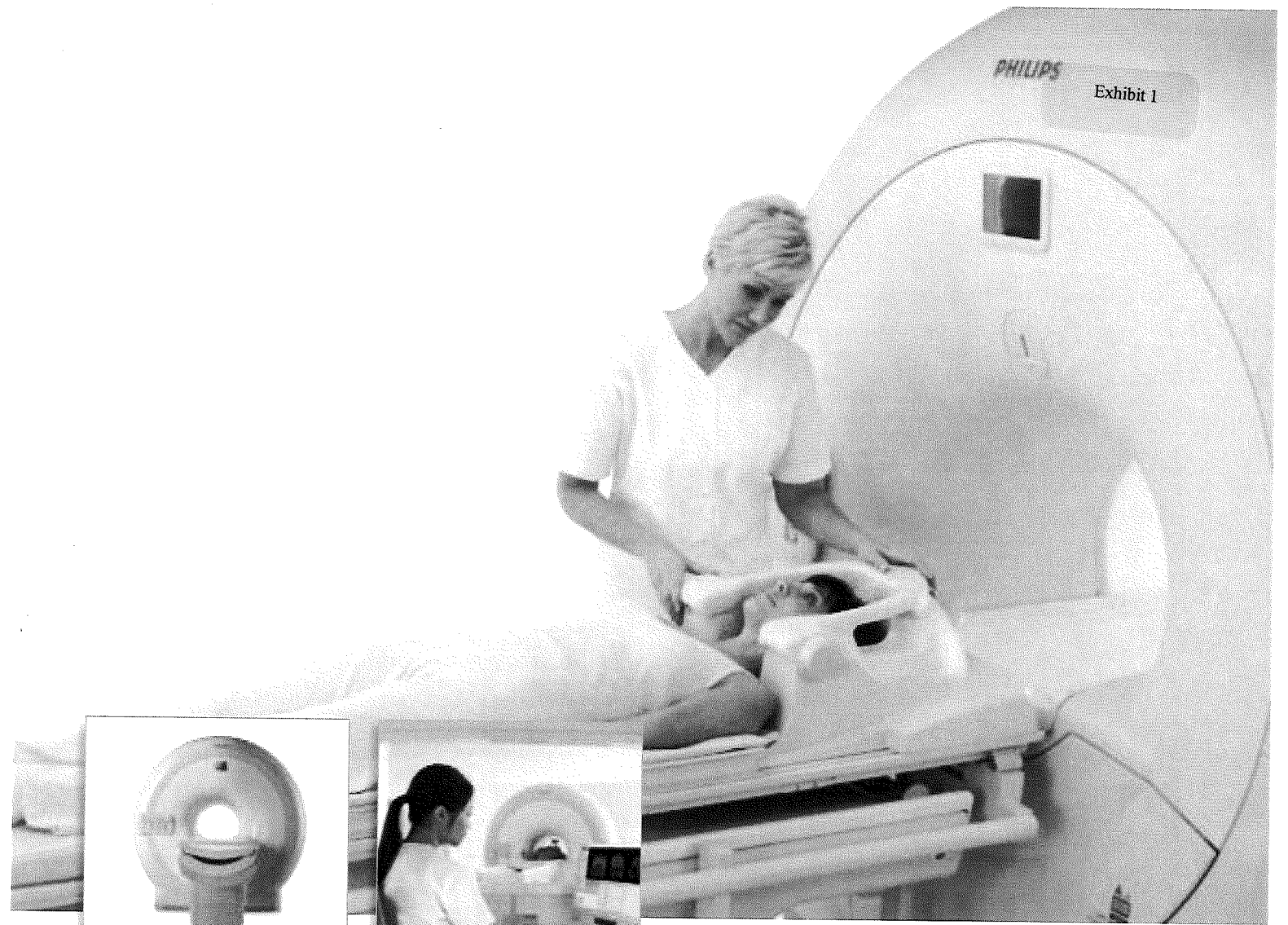
Also attached as Exhibit 4, is a completed 'Proposed Total Capital Cost of Project' form which projects the total capital cost of this replacement project to be \$1,558,042 for the Siemens Magnetom Aera MRI scanner, including removal of the existing unit and the installation of the replacement unit. A copy of the cost estimate for upfit is also included in Exhibit 4. The total capital cost includes all costs required to make the unit operational. Since the room already exists, equipment and furniture will be reused. Beyond the items included in this estimate, no additional renovations, equipment or furniture will be required for this project.

Should you require any additional information regarding the replacement of this equipment, please do not hesitate to contact me at 919-966-1129.

Sincerely,



Dee Jay Zerman, Director of Regulatory Planning
UNC HCS



New levels of operational excellence

Philips Magnetic Resonance Achieva 1.5T A-series

PHILIPS

A scanner that meets

- Achieve a complete diagnostic evaluation of the entire spine and brain in less than 20 minutes
- Attain DSA-like clarity with MRA
- Redefine the relationship between speed and resolution in breast imaging.

In short, use a 1.5T scanner in ways you never thought possible.



your needs

Magnetic resonance imaging has changed in many ways. Today, we can identify structures that used to be a blur and watch anatomical movement in real-time – or freeze it completely. We can image fine structural details – or the entire body.

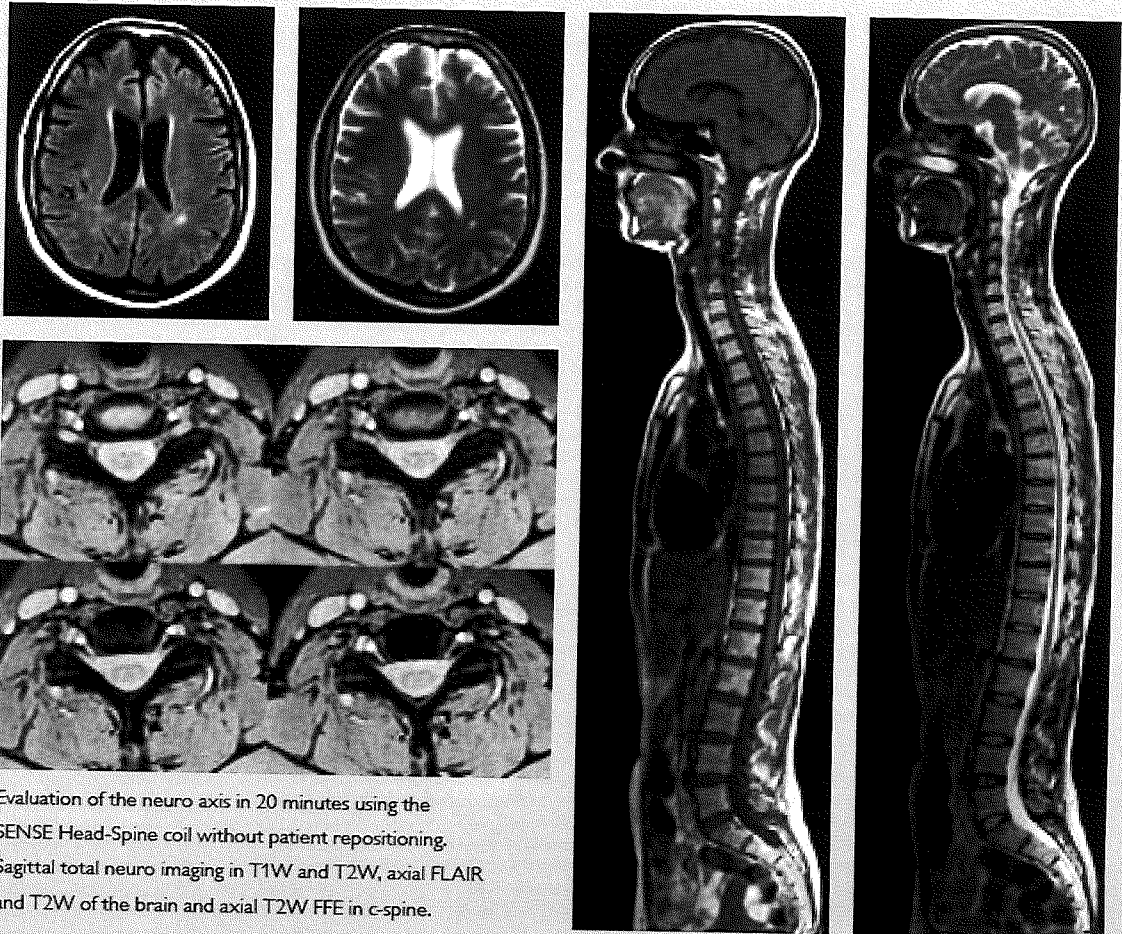
Along with these advances have come less welcome changes: more competition, declining reimbursement and longer waiting lists. Business as usual is no longer an option.

Philips Achieva 1.5T A-series is designed for today's clinical and business realities. It is dedicated to 16 channel imaging, with a

complete range of 16-channel coils. Every system building block – including the 16 channel data acquisition system, SmartExam, dedicated SENSE coils, Philips SENSE parallel imaging, the depth and variety of imaging techniques, and workflow innovations – contributes to the scanner's operational excellence.

The Achieva A-series is simple, fast and provides innovative solutions to help you:

- Simplify your workflow
- Accelerate your imaging
- Build your business.



Evaluation of the neuro axis in 20 minutes using the SENSE Head-Spine coil without patient repositioning. Sagittal total neuro imaging in T1W and T2W, axial FLAIR and T2W of the brain and axial T2W FFE in c-spine.

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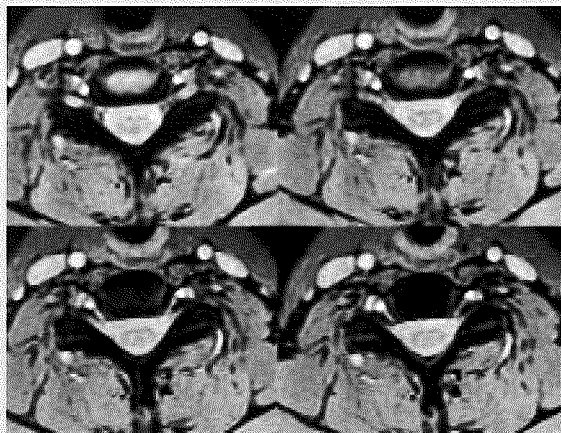
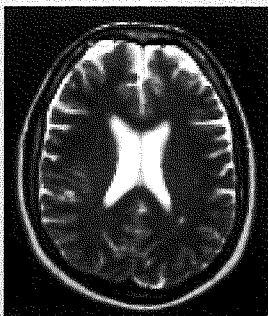
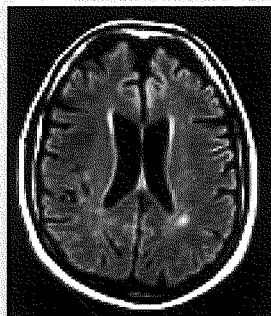
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Evaluation of the neuro axis in 20 minutes using the SENSE Head-Spine coil without patient repositioning. Sagittal total neuro imaging in T1W and T2W, axial FLAIR and T2W of the brain and axial T2W FFE in c-spine.

Simplify your workflow

While new technology can increase the value of MR imaging, it can also increase its complexity, reduce departmental efficiency and require additional training investments. At Philips, we believe advanced technology should make things simpler.

Are all your system operators at the same level of expertise? Is imaging consistent, to enable faster and more confident diagnosis? Do you maximize your scanner's return on investment by performing processing and other activities on a separate console? Philips Achieva A-Series can help you address these and other issues that affect departmental efficiency.

You can create your own ExamCards to reflect the preferences of your department, or you can download ExamCards from NetForum, Philips online user community. SmartExam automates head, spine, knee and shoulder examinations, which comprise over 75% of the typical caseload. SmartExam Brain is an integral part of all Philips Achieva A-series scanners.

SmartExam

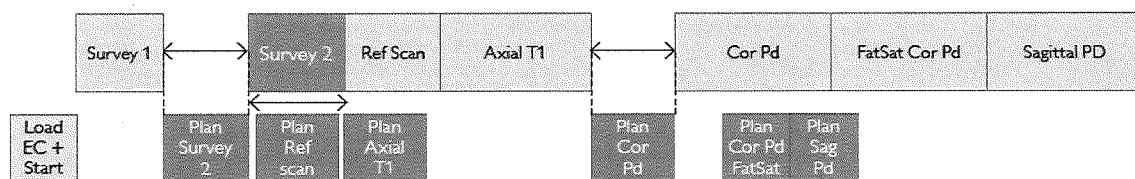
SmartExam automates exam planning, scanning and processing – all with a single mouse click. Its software automatically recognizes the anatomy, plans the MR exam, employs ExamCards to conduct the study and then processes the images, resulting in 100% consistent and reproducible results.

SmartExam enables:

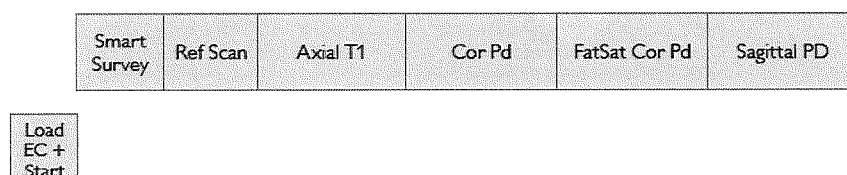
- Consistent, reproducible images
- Uniform image quality, regardless of operator expertise, patient age, patient position or pathology
- Better use of technologists' time
- Consistency in follow-up exams, improving patient care.

Shoulder Exam – Regular versus SmartExam

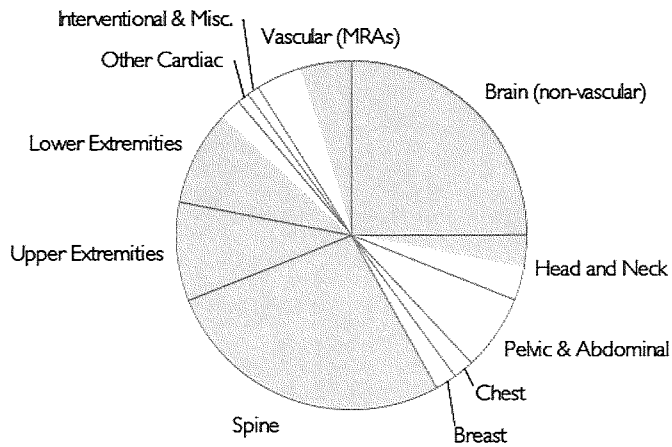
Regular



SmartExam



■ Activities/scans no longer required when using SmartExam



SmartExam covers >75% of typical procedure mix (Data USA)

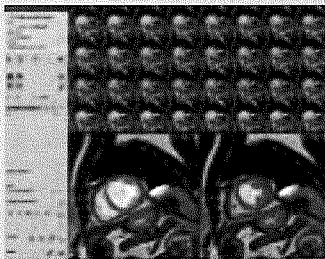
"SmartExam gives us consistency – both in follow-up exams of the same patient as well as consistency between different patients."
 Winfried Willinek, M.D. University of Bonn

MR Extended WorkSpace

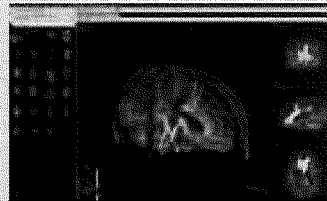
With Philips MR Extended WorkSpace you can prepare, process and report your exam at any location – leaving your scanner free for optimized throughput. While duplicating the viewing and processing capabilities of the scanner console, it also provides advanced applications like quantitative measurements, image arithmetic, customer/application-specific display protocols, 3D volume rendering, reporting tools and multi-modality image fusion and viewing.

MR Extended WorkSpace enables:

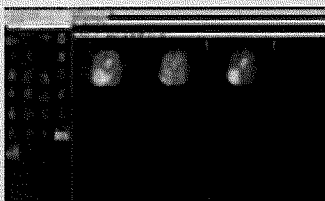
- Off-line viewing and processing, enabling efficient use of scanner
- ExamCard preparation and editing
- Easy and efficient radiology and cardiology reporting
- Advanced processing capabilities.



Cardiac left ventricle analysis.



FiberTrak.



SpectroView.

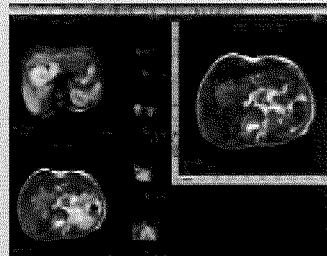
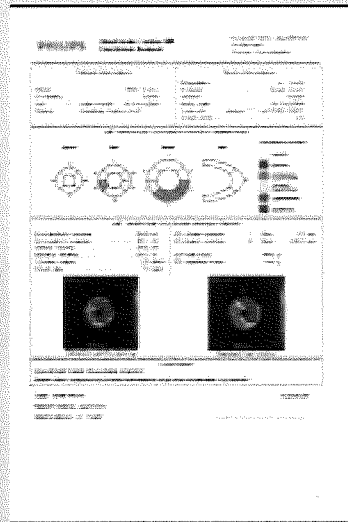
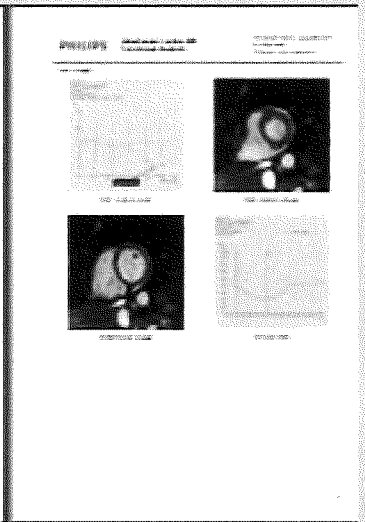


Image fusion.



Cardiac MR reporting.



Accelerate your imaging

The Achieva A-series offers you a 16-channel FreeWave acquisition system (expandable to 32 channels) and a comprehensive range of dedicated high-channel SENSE coils. Add to this the power of SENSE imaging, and the result is a scanner that redefines the possibilities of imaging at 1.5T.

Achieva's high scan acceleration provides larger anatomic coverage, higher spatial and temporal resolution and artifact reduction. This performance opens the door to increased patient throughput and the ability to perform leading-edge applications.

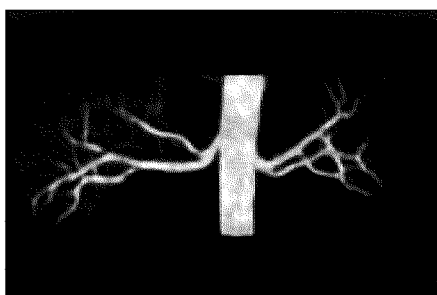
With the powerful combination of SENSE, the FreeWave data acquisition system and 16-channel coils, you can:

- Perform a complete high resolution diagnostic evaluation of the cervical spine in less than 15 minutes
- Attain DSA-like clarity with MRA
- Redefine the relationship between speed and resolution in breast imaging

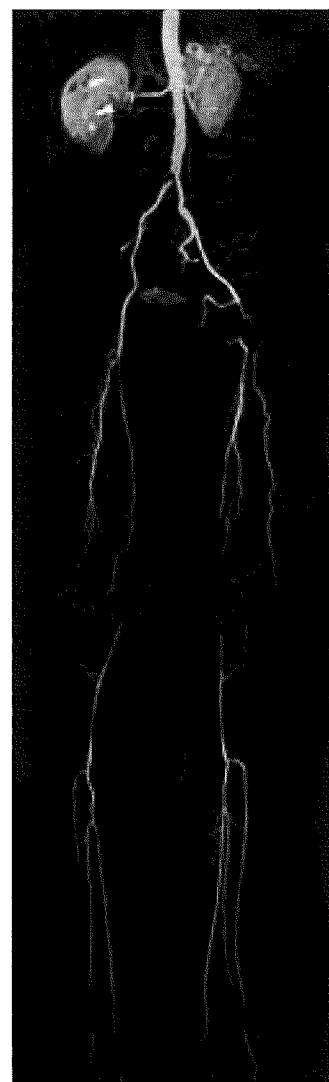
- Image the whole heart in a single breath-hold
- Exploit SENSE to include spectroscopy in the normal diagnostic routine
- Scan the entire abdomen and pelvis in a single breath-hold
- Image renal arteries without contrast in a single breath-hold.



TRANCE: non-contrast MRA of the pedal arch, $0.6 \times 1.0 \times 1.5$ mm, 60 slices in 4:40 minutes.

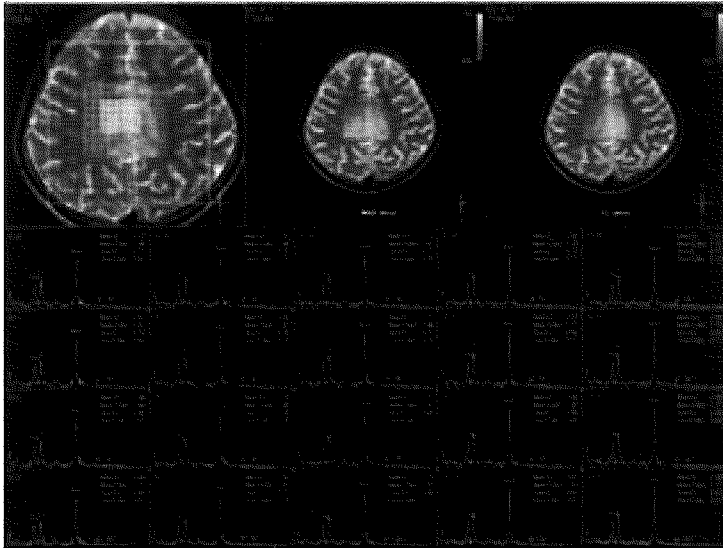
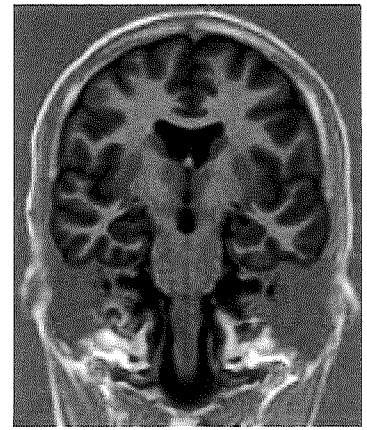


B-TRANCE: free-breathing, high resolution, non contrast enhanced MRA of the renal arteries enabled by navigator motion correction.

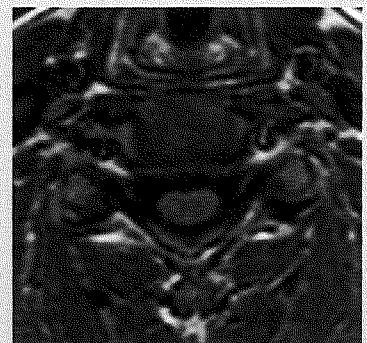
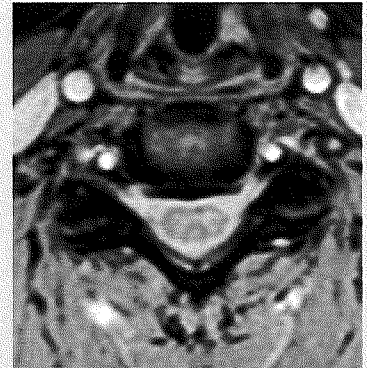
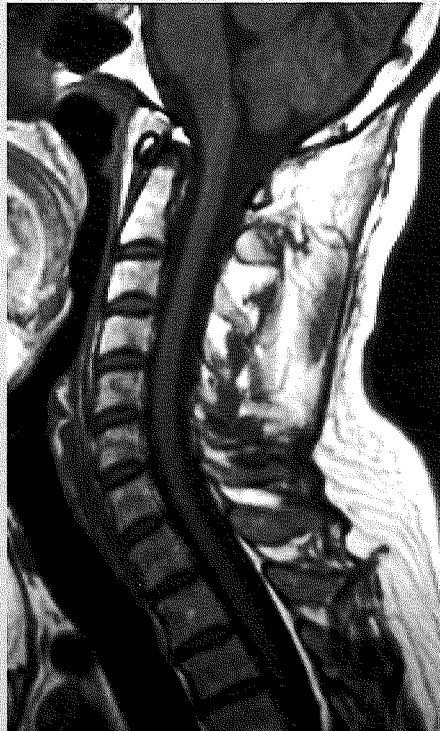


MobiFlex CE-MRA: tailored speed and resolution for each station, using the 16 Channel XL Torso Coil for the lower legs. Total scan time 2:20 min.

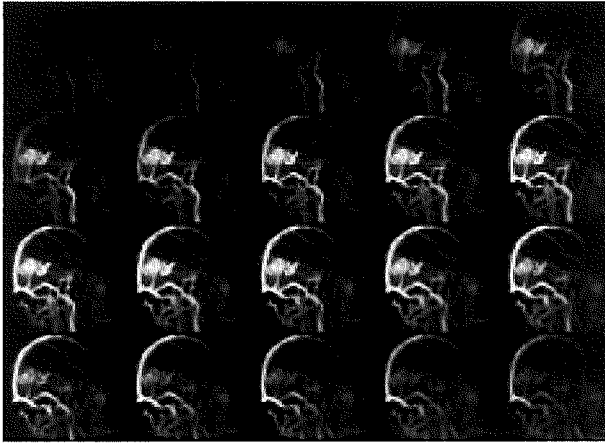
Right: These 90 second scans show that SENSE successfully combines high spatial resolution with reduced scan time. T2W and T1W TSE images with 24 slices of 0.6 x 0.6 x 5.0 mm.



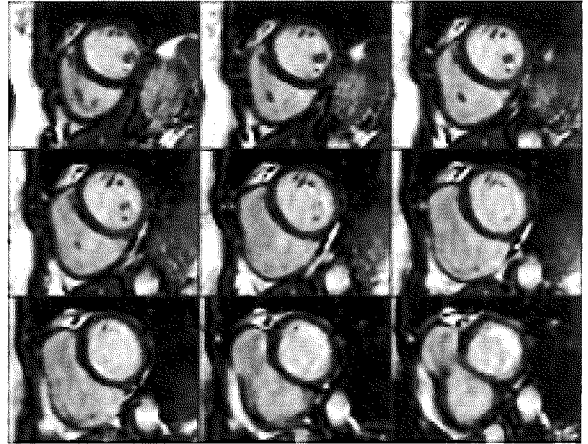
2D Spectroscopic Imaging. Scan time of 1:38 minutes enabled by SENSE.



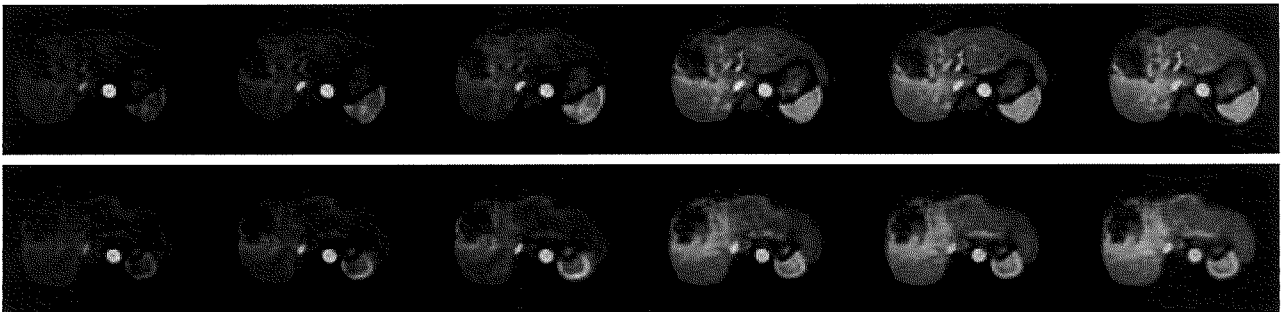
Comprehensive high resolution C-Spine exam using the SENSE Head Spine coil. Total scan time of 12 minutes for sagittal T1W and T2W TSE and 3D axial T1W TFE and T2W FFE.



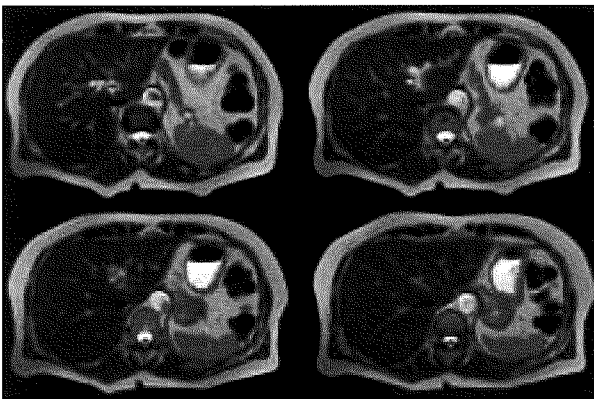
4D-TRAK, the powerful combination of SENSE, CENTRA and Keyhole allows visualization of the whole brain providing DSA-like imaging. Each 0.9 seconds dynamic consists of 120 slices with $1.0 \times 1.0 \times 1.5$ mm resolution.



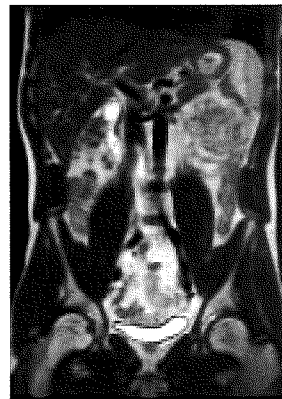
Whole heart 3D Cine imaging in a single breath-hold. 20 Seconds to acquire 24 slices in 20 heart phases enabled by high SENSE performance.



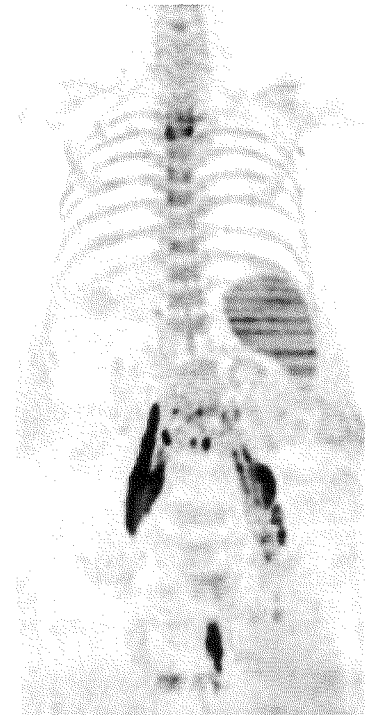
4D-THRIVE provides high temporal resolution to visualize multiple arterial phases in one single breath-hold. Dynamic scan time of 5.5 seconds per 100 slices covering the whole liver with isotropic resolution.



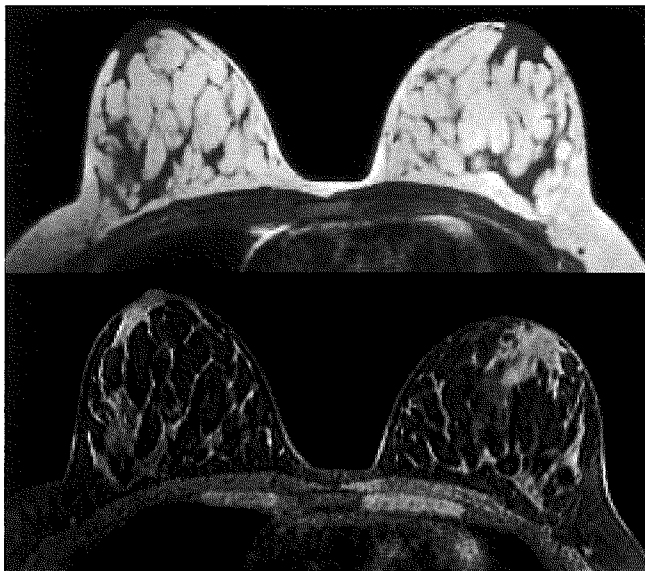
Left: SENSE free-breathing T2W TSE, optimal patient comfort and image quality in 360 ms per slice.



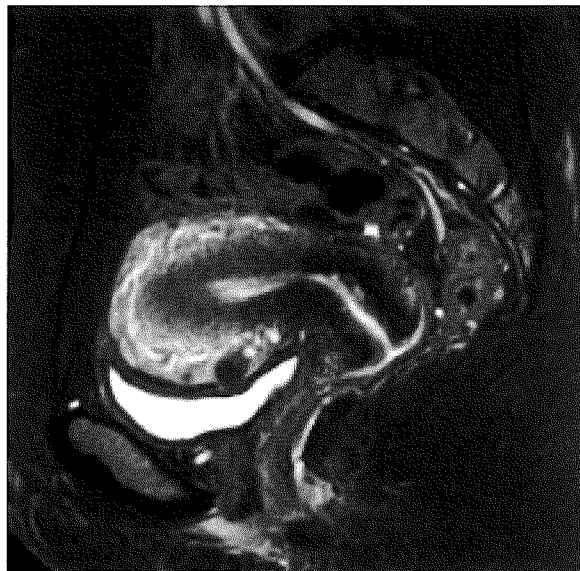
Middle: SENSE XL Torso coil delivers optimal speed and coverage. T2W TSE covering the whole abdomen and pelvis with 500 mm Field of View in 350 ms per slice.



Right: DWIBS, diffusion weighted imaging in the body for lesion visualization. Total scan time 4:30 min acquired with the Integrated Body coil.



The high channel SENSE breast coil provides excellent detail with short imaging times. Top: T1W TSE, $0.3 \times 0.4 \times 3.0$ mm, 20 slices in 3:52 minutes. Bottom: THRIVE, $0.5 \times 0.5 \times 1.0$ mm, 110 slices in 36 s.



SPAIR T2W TSE, homogeneous fat suppression in the pelvic region, $0.7 \times 1.0 \times 4.0$ mm, 24 slices in 4:33 minutes.



a-TSE enables higher resolution imaging with shorter scan times for improved cartilage visualization. PDW a-TSE, $0.2 \times 0.3 \times 2.0$ mm, 18 slices in 3:15 minutes.



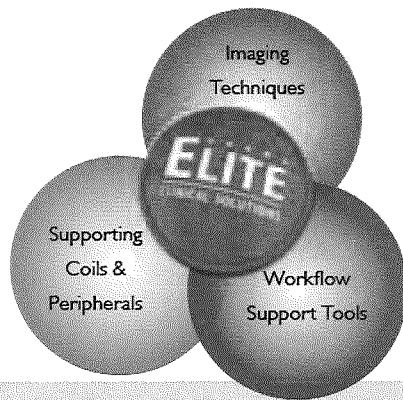
SPAIR, robust off-center fat suppression, PDW a-TSE, $0.5 \times 0.6 \times 3.0$ mm, 24 slices in 3:38 minutes.



PDW a-TSE showing ACL lesion, $0.4 \times 0.6 \times 3.0$ mm, 24 slices in 4 minutes.

Build your business

To be at the cutting edge, you must advance the imaging you offer, while maintaining efficiency in core applications. The Achieva A-series offers tools to expand your clinical offerings while assuring optimal scanner use.



Philips Elite Clinical Solutions

Philips Elite Clinical Solutions provide the building blocks you need to expand and improve your clinical offerings. These clinical solution sets for neuro, musculoskeletal, body, breast, cardiac, and vascular applications combine advanced imaging techniques with dedicated coils and meaningful workflow innovations.

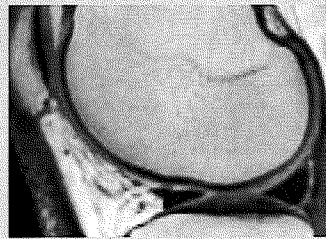
For example, the Elite Neuro clinical solution combines best-in-class coils such as the SENSE head-spine coil with workflow innovations like SmartExam Brain and Spine, and imaging techniques that go beyond morphology.

Pre-surgical mapping of functional areas (BOLD) and connectivity (FiberTrak) in the brain; metabolic assessment of tissue via SENSE spectroscopic imaging; and perfusion via Arterial Spin Labeling are among the standard complement of imaging capabilities included in Elite Neuro. Elite Neuro not only offers data acquisition, but also controls stimulus delivery of the Eloquence¹ fMRI system and automated data analysis within the ExamCard environment, resulting in an integrated approach to functional neuro imaging.

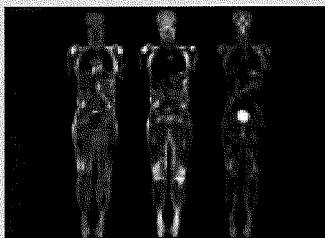
Philips Elite Breast clinical solution offers all you need to successfully and efficiently perform breast diagnostic studies as well as biopsy guidance with MR. Innovative high channel count SENSE coils and trolley capabilities are combined with best-in-class imaging and spectroscopy techniques for optimal diagnostic imaging. All the tools are integrated for biopsy planning guidance and control including coils, biopsy devices and breast CAD analysis (DynaCad).



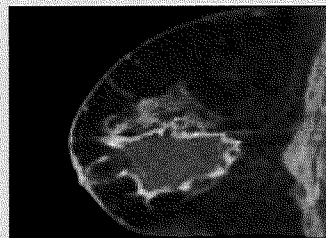
Neuro Elite.



MSK Elite.



Body Elite.



Breast Elite.



Cardiac Elite.



Vascular Elite.

¹ Eloquence is not licensed for sale in some countries.



Philips Services

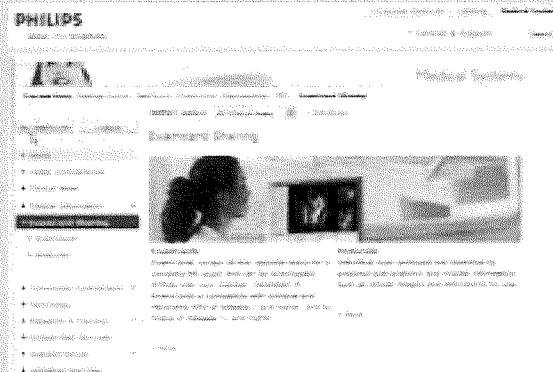
Philips Services help you succeed in every season of system ownership, from planning to start-up, through peak usage, maturity and renewal. Philips strong track record in upgradeability provides the assurance you need for a long useful life of your Achieva maximizing your return on investment.

Philips Services include:

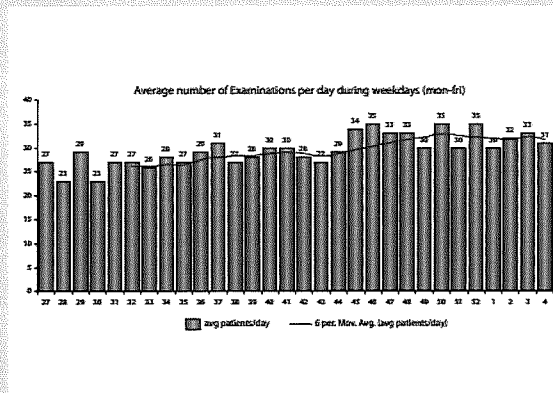
- Service agreements with uptime guarantees to maximize your equipment availability
- Utilization services, which measure scanner usage and provide detailed data that can be used to benchmark your operation and deliver insights that can help you improve scanner utilization for greater business efficiency
- NetForum gives you access to Philips experts and the Philips worldwide MR community. With web-based educational programs and downloading of peer-reviewed ExamCards right into your scanner, NetForum can help you improve the efficiency of your MR department
- Remote service, to detect potential issues before they become problems, and correct them remotely
- Philips technology updates, for longer-term hardware and software upgrades at predictable costs.

Are you ready to achieve operational excellence through simplified workflow, faster imaging and better solutions? To find out more about the Achieva A-series, please contact your Philips representative.

NetForum offers peer support and downloadable ExamCards to help you keep your imaging potential up-to-date.



Utilization Services Trend report. The data shows a noticeable increase in the average number of exams per day after making staff changes.



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- MR Zentrum Speyer, Germany
- IATM, Medellin, Colombia
- Morristown Memorial Hospital, NJ, USA
- Barmherzigen Brüder Krankenhaus, Trier, Germany
- University of Zurich, Switzerland



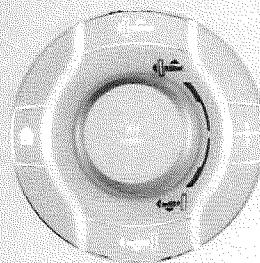
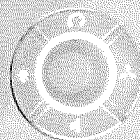
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Exhibit 2

MAGNETOM Aera
A Tim+Dot System



MAGNETOM Aera

Transforming 1.5T economics.

www.siemens.com/healthcare

SIEMENS

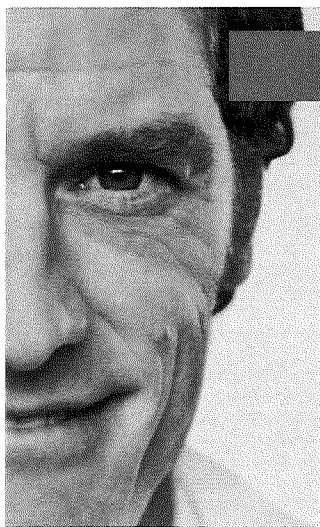




We're talking profound change.

The pressure to deliver a better bottom line, while still providing the best care, has never been greater. It's clear that technology innovation can, and should, play an enormous role in improving healthcare economics across all measures.

MAGNETOM® Aera, the first 70 cm Tim+Dot system is a breakthrough advance in 1.5T imaging that will significantly increase your productivity, and as a result, transform every part of your day. The benefits will be nothing less than profound.



Tim 4

Tim[®] (Total imaging matrix) technology advances MR imaging—again— with 4G flexibility, accuracy, and speed.

It's Siemens ultimate innovation technology that unlocks imaging power like never before. Tim's newly designed ultra high-density coils are combined with the highest channel configurations ever offered.

And, with Tim's new patient-adaptive technology, image quality and acquisition speed go to a whole new level.

Think more exams per day. Every day.

Dot



Dot™ (Day optimizing throughput) engine offers a customizable framework for patient personalization, user guidance, and exam automation to help optimize every part of your MR workflow.

From reduction in your exam times and improved clinical workflows to enhanced staff efficiencies. Exam by exam, patient by patient, Dot takes away the complexity of MR scanning. Dot multiplies the power of Tim resulting in greater image consistency and diagnostic confidence, greater ease of use, and a day that's more productive than ever before.

transform the way you

work

harness a new level

of productivity.

optimize your resources.

MAGNETOM Aera

delivers. Clinically. Economically. Easily.



Introducing

The world's



MAGNETOM Aera
A Tim+Dot System

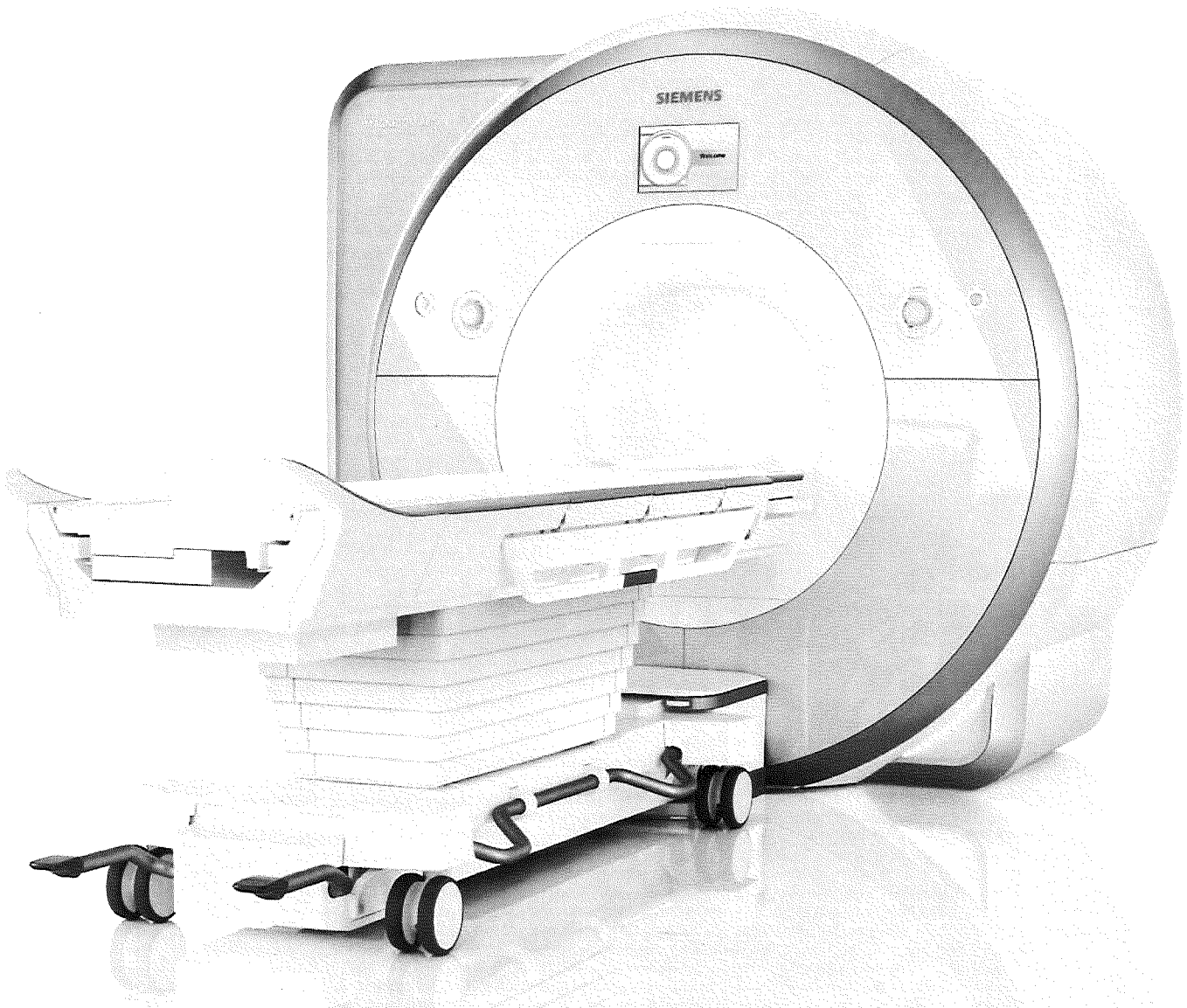
SIEMENS

Welcome

MAGNETOM Aera

first 70 cm Tim+Dot

Choose color or wood panel for MAGNETOM Aera.
Or, our new illumination MoodLight™ design to make
the panel any color you want.
You can also customize the scanner with your own
engraved logo.



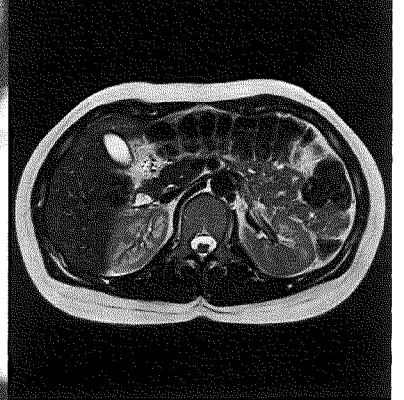
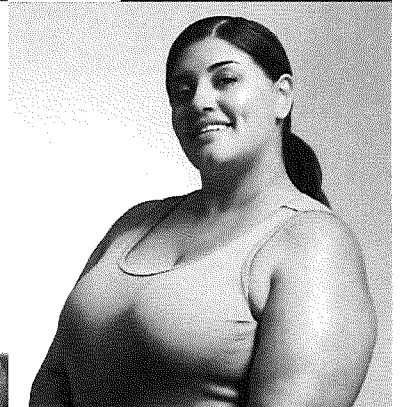
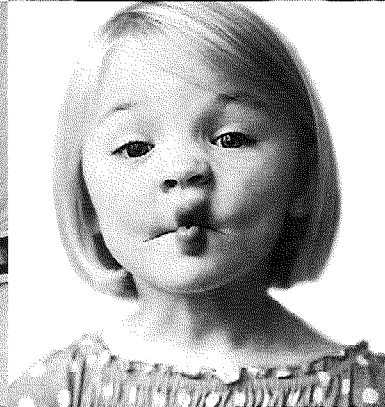
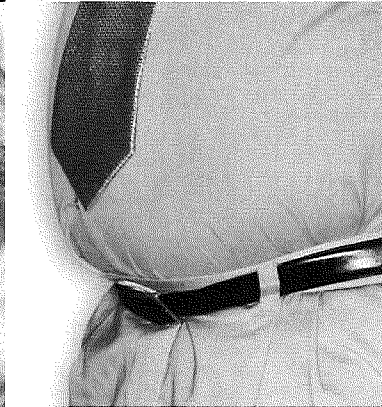
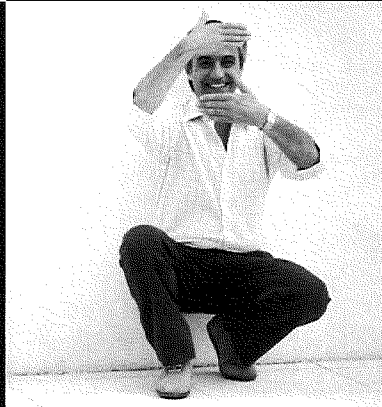
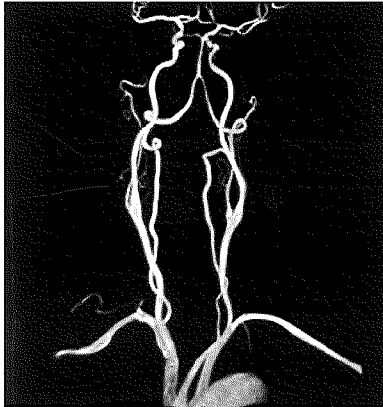
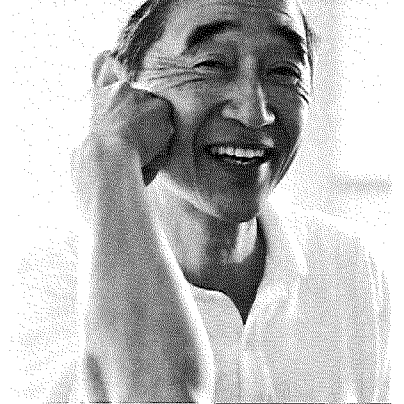
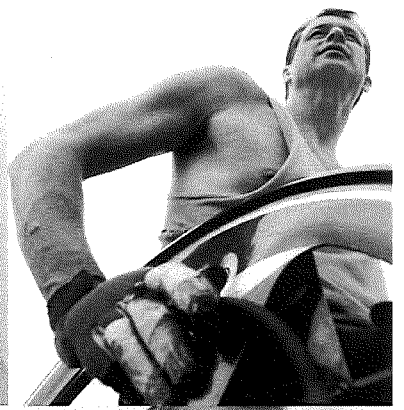
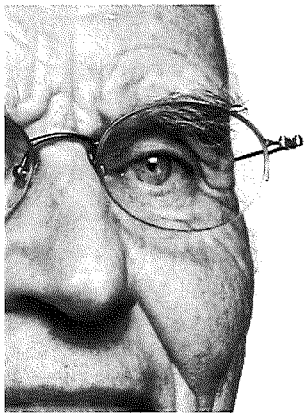
system.

Perfect scanning. Perfectly easy.

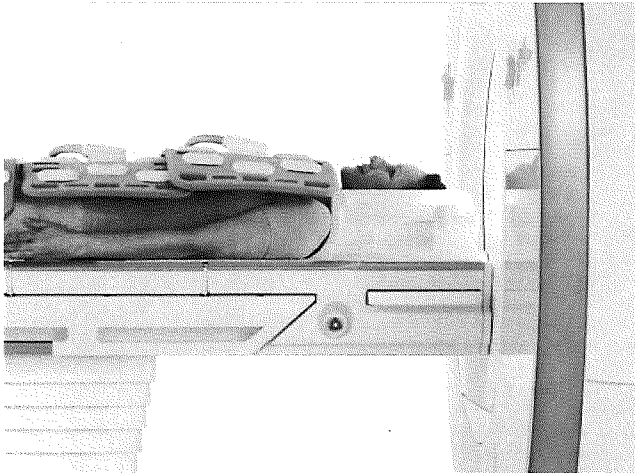
MAGNETOM Aera makes MR exams easier and more comfortable than ever before. The roominess of our 70 cm Open Bore will accommodate a large variety of patient sizes, shapes and conditions. And the super-short magnet allows many studies to be completed with the patient's head outside the bore while still supporting a full 45 cm Field of View (FoV). But, you don't have to compromise image quality for comfort. Tim's newly designed, ultra high-density array enables higher spatial and temporal resolution and an imaging distance of up to 205 cm with no patient repositioning. Now up to 204 coil elements deliver more signal than ever before. Which enables the most flexible Parallel Imaging and supports the most demanding applications.

The personalized scanning of Dot allows you to get the best scan for each individual patient. Dot Engines give you uniquely tailored, optimized scans configurable to patient condition or clinical question.

Tim+Dot, together in MAGNETOM Aera, will help you realize a marked improvement in productivity, while allowing your patients enjoy a most comfortable scan experience.



Tim Dot patient-centered care



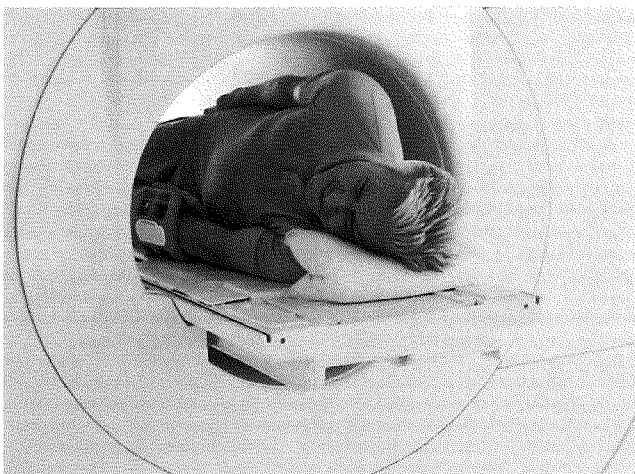
Tim 4G flexibility.

- Now you never have to wonder if you have enough channels to support ultra-high density coils. Tim 4G offers flexibility for the future with up to 64 channels.
- Tim DirectConnect™ cableless coils are easier and faster to handle. And they're ultra-lightweight so they're easy on patients, too.
- Select exams, not coils, for superb coverage of the patient's anatomy. Tim's lightweight coils can be seamlessly integrated to support large anatomic coverage, for instance combining head, neck, body and spine coil elements to create a neurovascular array.



New Tim Dockable Table accelerates patient set-up.

- Patients can be prepared for an exam outside the scanner room and wheeled in when ready.
- Totally Tim-ready with integrated, removable Spine 32-channel coil.
- Holds up to 250 kg / 550 lb to accommodate more patients.
- Enjoy fast patient preparation, easy patient transport, comfort for immobile patients, and flexibility in emergency situations.

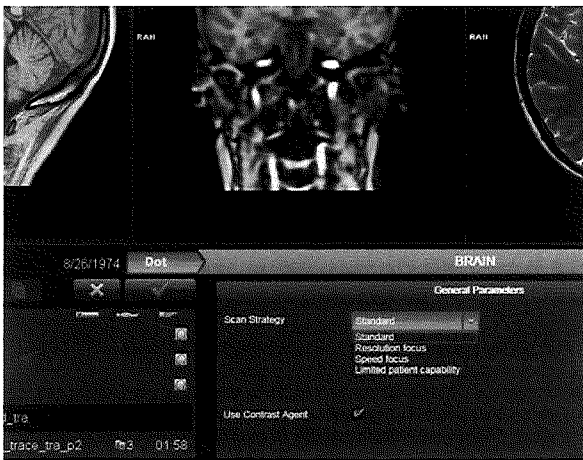
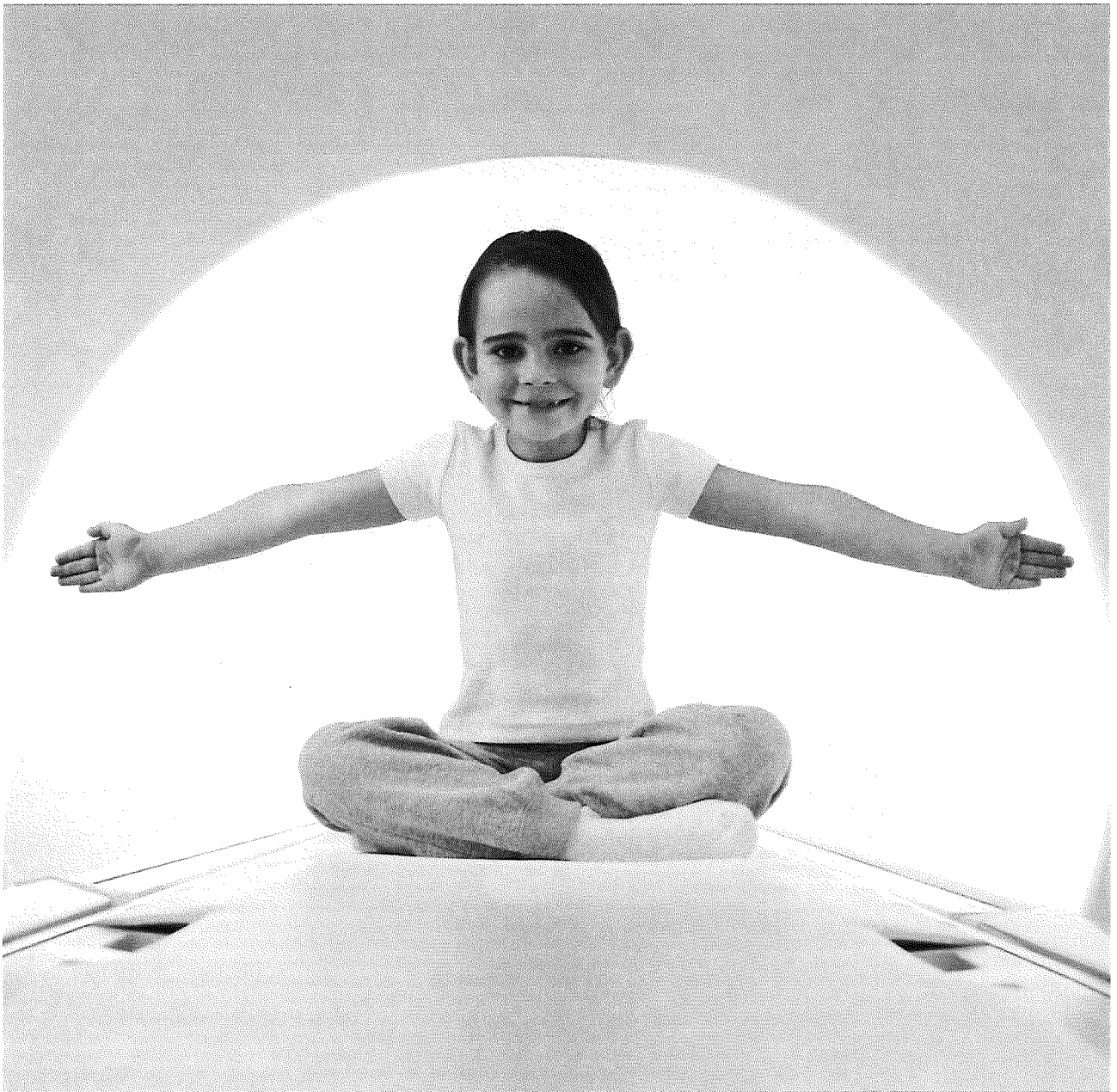


MAGNETOM Aera's 70 cm Open Bore.

- The preferred design by claustrophobic patients. But all patients will enjoy the extra room, too.
- Captures sharper images due to less anxiety-related movement.
- Reduces sedation rates.
- Covers the full patient range: pediatric, critically ill, obese, and kyphotic to name a few.

MAGNETOM Aera's 145 cm short system design.

- Reduces patient fear and anxiety.
- Offers more head-out exams.
- A full, 50 x 50 x 45 cm FoV covers every application.
- Leads to higher throughput and more referrals.
- And now with TrueForm magnet and gradient design.



Dot is personalized — for every patient and user.

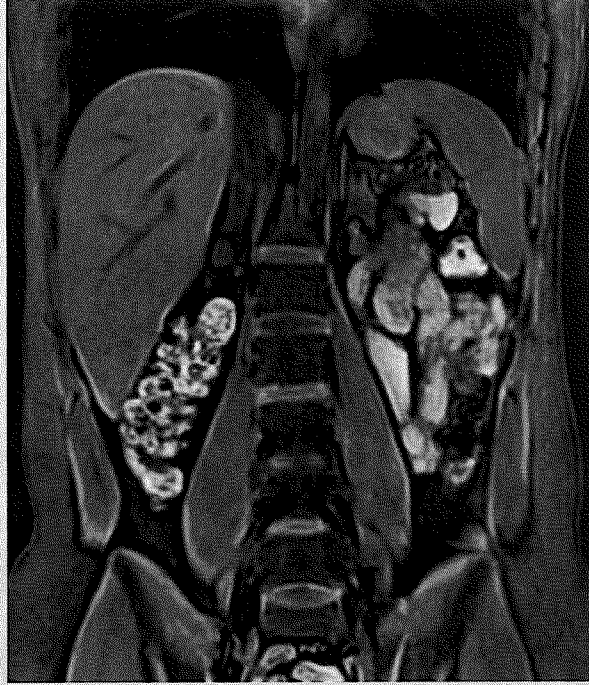
- Exam strategies can be designed based on patient condition and clinical indication. Just confirm and start scanning.
- Scanning is personalized for individual breath-hold capacity to eliminate motion artifacts.
- High quality exams are easily reproduced, even when conditions change.
- Customize Dot to your practice; to your standards of care.
- AutoVoiceCommands in multiple languages make exams more personalized.

Tim Dot expert-level scans

Now every scan is an expert-level scan.



Thanks to Dot's on-board guidance and the increased SNR of Tim 4G, now you can perform cardiac exams day and night. The Cardiac Dot Engine eliminates one of the biggest challenges in cardiac MR by simplifying complete cardiac localization down to just a few clicks. Tim's TrueForm design offers superb fat saturation and high image homogeneity.



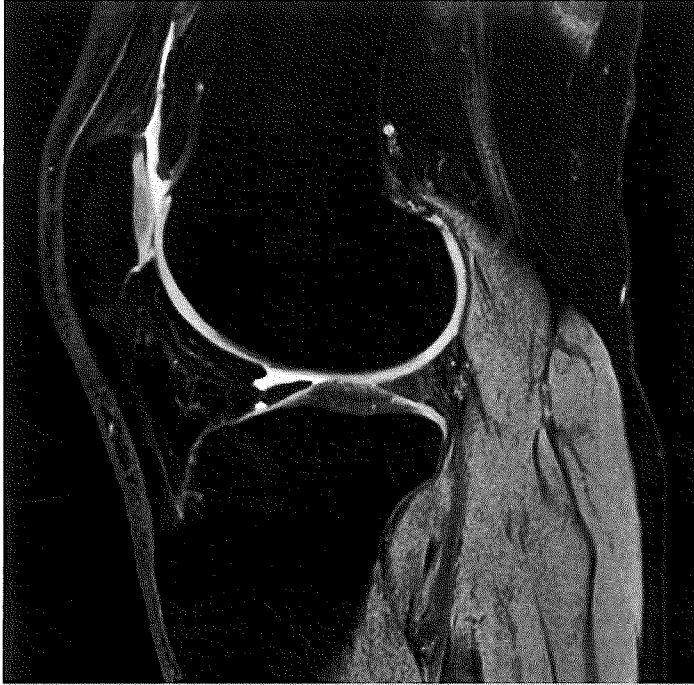
Tim+Dot mean easy scanning of any body shape or size. Tim's TrueForm design lets you use the full 50 x 50 x 45 cm FoV. For scans with contrast media, Dot helps to synchronize bolus timing. Real-time graphics and AutoVoiceCommands assist the user in organizing the ideal timing of breathing, scanning, and contrast media.

The real power of Tim+Dot in MAGNETOM Aera is all about consistency, scan after scan, regardless of user experience. With the precise accuracy of Tim 4G integrated with the unique on-board guidance of Dot, you will achieve excellent image quality with fewer errors and repeats.

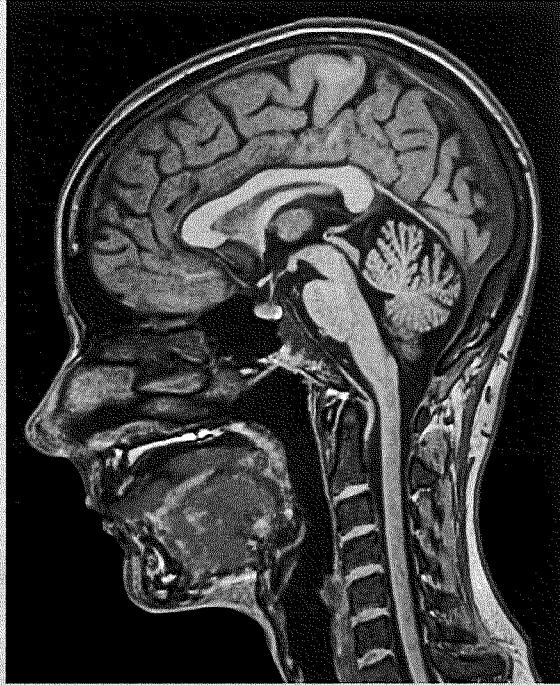
Tim's new ultra high-density array, with up to 204 coil elements, combines with a new RF design, with up to 64 RF channels, for an SNR increase of up to 20%. This enables high-resolution imaging that holds up even when zooming in on multi-station images. So you can scan everywhere. Zoom anywhere.



A complete view of the whole spine is made easy in just two steps. With Tim, there's no repositioning of your patient. Multi-step exams of the spine can be fused automatically using Inline Composing giving you a complete view of the whole CNS with consistently excellent image quality.



It's a new way to plan and perform orthopedic exams. Tim's new ultra high-density coils for MSK imaging improve SNR and anatomic coverage. Dot's customizable knee workflow with AutoAlign, offers step-by-step user guidance including guided slice and MPR planning for fast 3D measurements and Inline 3D processing.

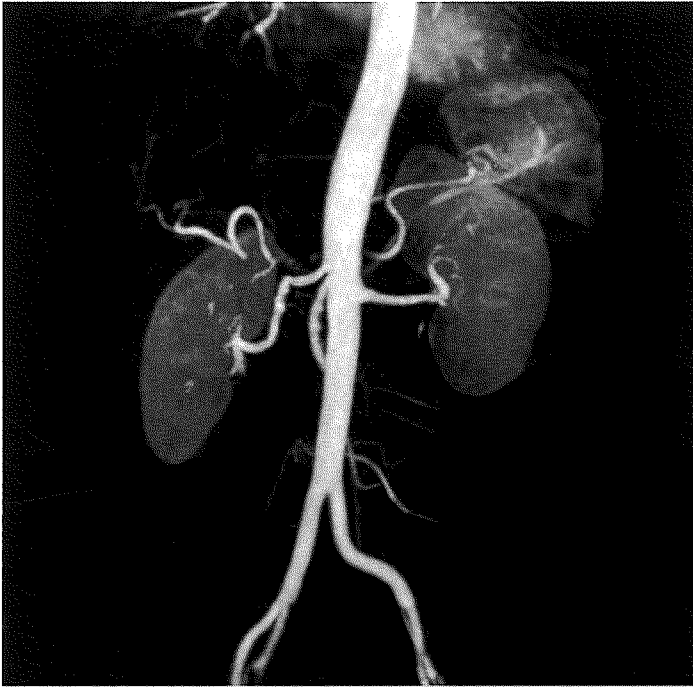


1.5T Brain studies have never been faster. Tim's 20-channel Head/Neck coil offers increased SNR and the new architecture of Tim 4G coils maximize the capability of every channel.

We've applied our advanced magnet and gradient design to MAGNETOM Aera. Originally optimized for 3T systems, TrueForm design provides up to 50% more imaging volume and homogenous images that are clear and sharp all the way to the edges of the 50 x 50 x 45 cm FoV. In addition, Tim's new all digital-in/digital-out design integrates all RF transmit and receive components at the magnet, eliminating analog cables for true signal purity.

And Dot makes it all so easy. Your customized guidance navigates the user through each exam, indicating critical decision points along the way. Dot offers six workflow engines: cardiac, abdomen, knee, brain, angio, and onco. Each can be

**Dot Engines make scanning faster,
easier, and always consistent.**



Easily perform high resolution whole body angio with Tim+Dot. With Tim's new ultra-high density coils and 205 cm scan range, you can easily perform a high-resolution whole body angio without repositioning the patient. And, with Dot's on-board guidance, you can move through the scan with ease, realizing consistently excellent image quality, and achieving greater diagnostic confidence.



Acquire whole body coverage for metastasis staging in a single, continuous move with *syngo* TimCT Oncology. Together with Dot's on-board guidance, this innovative technology improves patient throughput and provides superb image quality.

tailored to your clinical needs in a way that literally takes the complexity out of MR exams — even cardiac and abdomen. Now, no matter what the level of user experience, decisions can be made more confidently and scanning can be done more expertly. And highly experienced staff can be freed up for more complicated studies.

The result is greater efficiency at all levels and a dramatic improvement in consistency.

Tim Dot transform the day

Now you can do up to 30% more exams per day.

The economics of 1.5T have never looked smarter. Now you can equip your staff with the productivity-boosting tools they need to efficiently handle a full day's patient load and more. From patient prep and exam set-up, to image acquisition and processing, MAGNETOM Aera with Tim 4G and Dot can help you realize an increase of up to 30% in daily productivity and enhance value across the entire MRI workflow. The speed of Tim 4G dramatically shortens acquisition time, while your customized Dot workflows make set-up and scanning effortless. Now, even the most complex exams such as cardiac and abdomen can be performed confidently, even by those with novice experience.

Reach out to new patient populations.

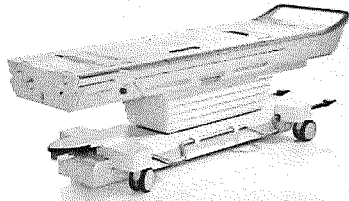
- Obese patients
- Pediatric patients
- ICU patients or those dependent on medical equipment

Better accommodate difficult-to-scan patients.

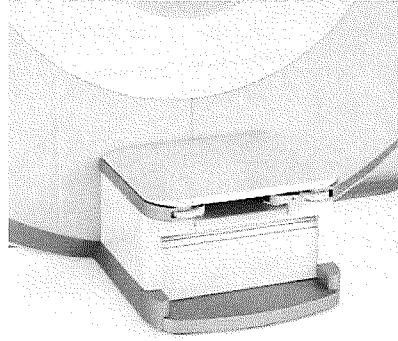
- Kyphosis
- Respiratory problems
- Pain and mobility issues
- Claustrophobia
- Anxiety

Start realizing value from your MAGNETOM Aera scanner faster than ever.

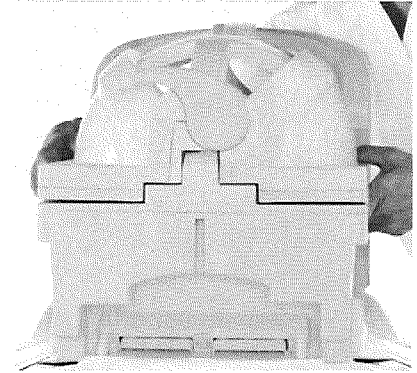
- Fast installation
- Fast and easy training for most MR users
- Familiar UI for all modalities means faster user acceptance



Mobility done right. The Tim Dockable Table offers an innovative multi-directional navigation wheel for easier handling and 360 degree flexibility.



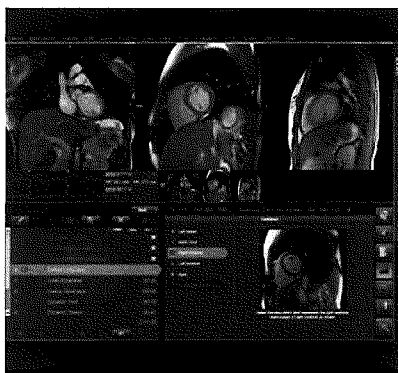
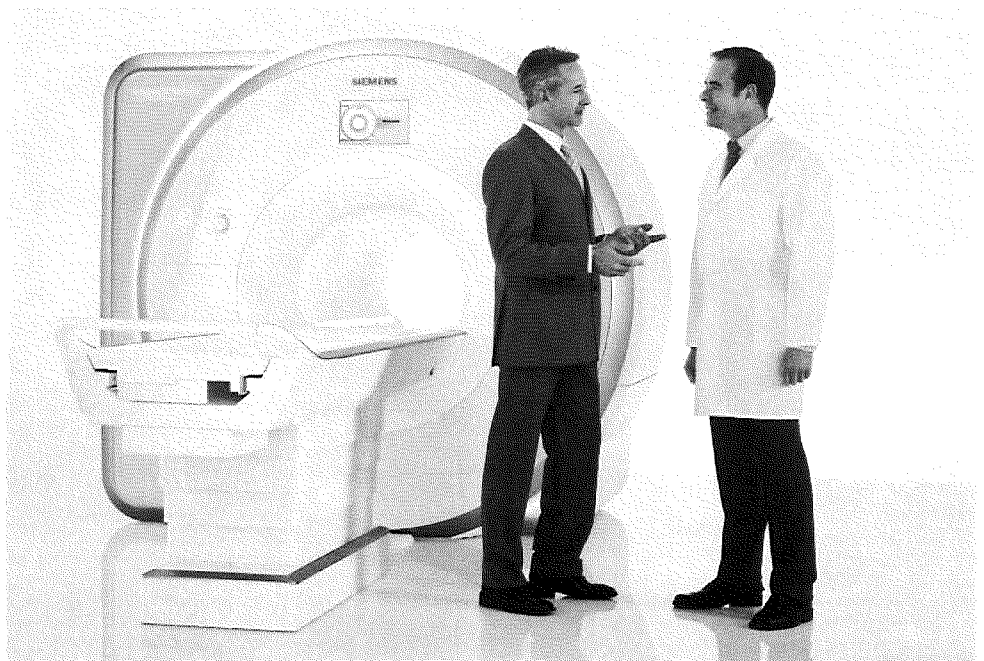
Tim Dockable Table gives you perfect docking integrated right into the scanner. The receiving port guides the table for perfect alignment. Nothing could be easier.



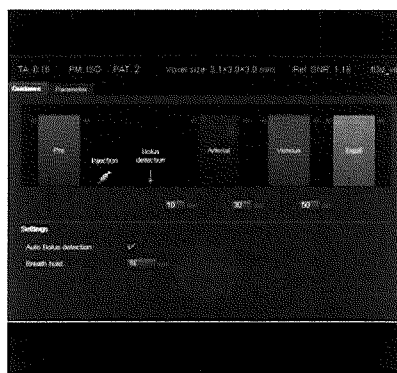
New DirectConnect coils. Eliminate the hassle and inefficiency of cables. With no attenuating cable, you'll also enjoy an improvement in SNR.

MAGNETOM Aera will be good to your bottom line. MAGNETOM Aera has low operational costs and is easy to site. There's no need for a large, dedicated computer room because the all-digital Tim 4G technology is concentrated at the magnet. Its lifecycle costs are reduced due to its optimized cooling system and Zero Helium boil off. With MAGNETOM Aera, it's a whole new day in MR.

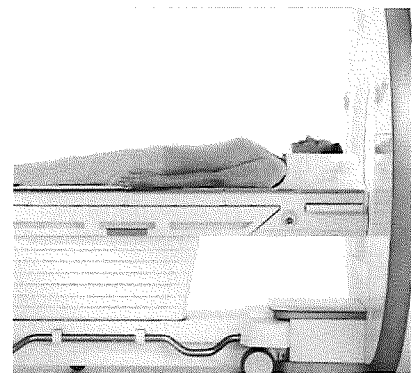
Get the most out of your system—throughout the life of your system. Visit our information packed website, MAGNETOM World, for current clinical information to optimize your daily MR examinations (www.siemens.com/magnetom-world). In addition, *syngo* Remote Assist, our interactive help line that connects Siemens Healthcare professionals with our customers, allowing for using your system's full capabilities to boost productivity. And, *syngo* Evolve, our obsolescence protection program, keeps you on the cutting edge of technology.



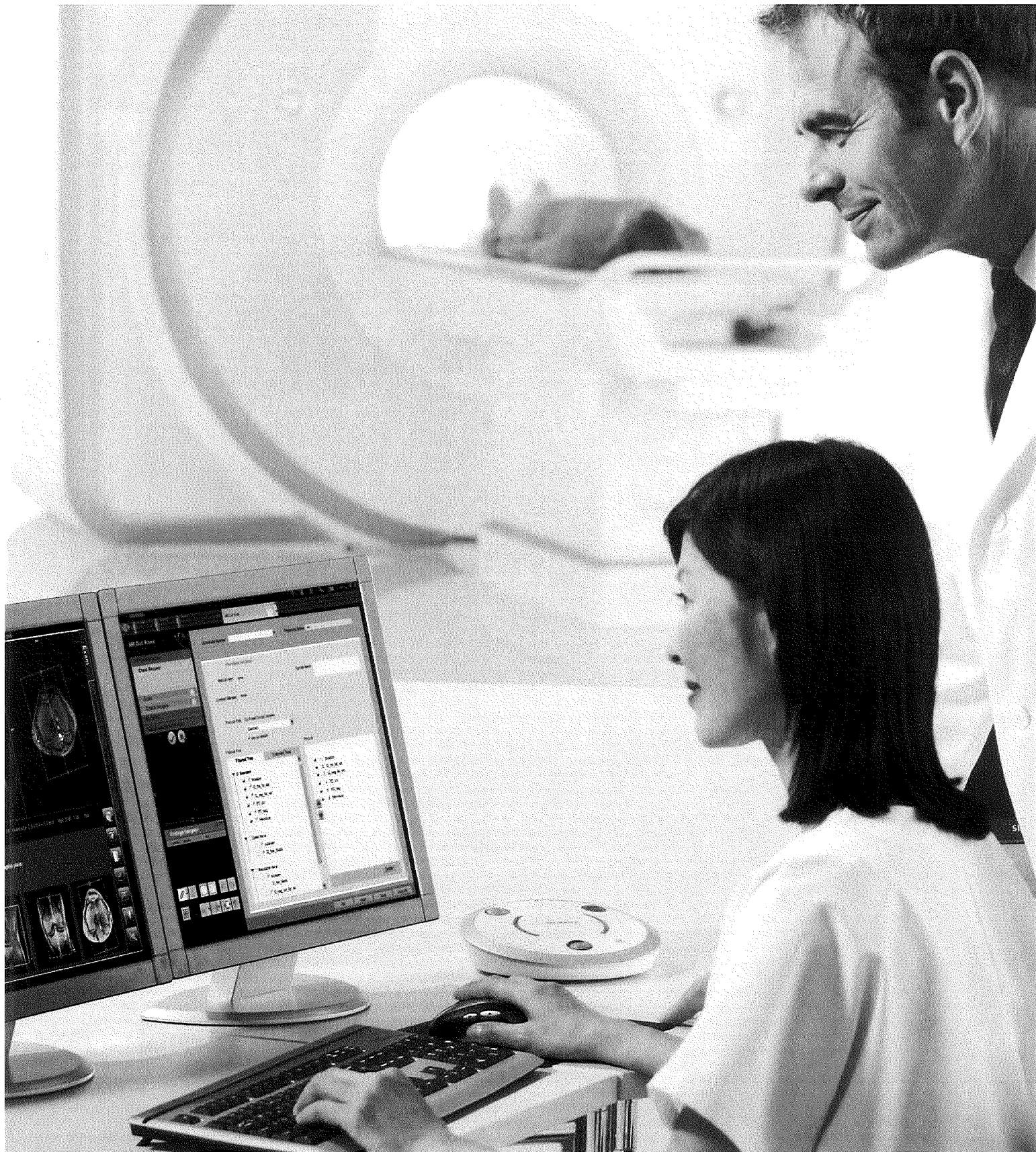
Dot Engines. Dot automation means that scans can be completed faster and more easily, with less chance of errors or repeats.



Timing is never off. Dot integrates AutoVoiceCommands into your scan process for synchronized timing of breathing and scanning. Contrast timing is more accurate with AutoBolusDetection.



***syngo* TimCT moves MRI forward.** Literally. Offering continuous table move for CT-like scanning. Now you can acquire up to whole body planning scans in a single, continuous move.





MAGNETOM Aera. It's transforming economics.

MAGNETOM Aera ushers in a new day in 1.5T economics. Designed to bring extraordinary value across the entire imaging process, MAGNETOM Aera makes it possible for anyone, regardless of experience level or complexity of patient need, to realize the total power of MR. To deliver robust image quality, consistently. To increase productivity by up to 30%. To radically improve return on investment (ROI) anywhere MRI is used. It's the next era in MR, and once again Siemens is leading the way.

MAGNETOM Aera delivers patient-centered care.

- Highest patient comfort with 70 cm Open Bore and short system design with a full FoV.
- Tim's all-new innovative coil architecture unlocks higher element configurations and higher SNR.
- Personalized and easier exams with Dot.

MAGNETOM Aera enables expert-level scans.

- Highest image quality, consistently, with Tim+Dot.
- Optimize all resources day in and out.
- TrueForm design optimizes the full FoV.

MAGNETOM Aera transforms the day.

- Up to 30% more exams.
- Attract more referrals and improve marketability.
- Low operational costs with lowest energy and siting costs and Zero Helium boil-off.

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Phone: +86 755-26525421
Fax: +86 755-26549253

November 18, 2013

Rex Hospital
Attn: Steve Finch
Director of Diagnostics Services
Rex Hospital
Raleigh, NC 27607

Dear Steve Finch,

The purpose of this letter is to confirm that Siemens Medical Solutions USA, Inc. (Siemens) will be responsible for removing your Philips Achieva Nova 1.5T MRI Scanner Serial Number 20120 ("existing equipment") installed at Rex Hospital in Raleigh, NC as part of your purchase of a Siemens Magnetom Aera 1.5T MRI system. The cost for the deinstallation and removal is included in the price quotation for the replacement equipment, which totals \$1,200,000. There are no additional costs for deinstallation and removal.

We will work closely with you to ensure proper timing of the deinstallation. It is understood that Siemens will take possession of the existing equipment and will permanently remove it from the State of North Carolina. Siemens will not sell the existing equipment to any North Carolina facility unless the facility has the appropriate Certificate of Need approval as required by the State of North Carolina.

Sincerely,



Edwin Winicki
Key Account Executive
Siemens Healthcare, USA

Siemens Healthcare, USA
51 Valley Stream Parkway
Malvern, PA 19351

www.SiemensMedical.com

SIEMENS

Siemens Medical Solutions USA, Inc.
51 Valley Stream Parkway, Malvern, PA 19355
Fax: (866) 309-6967

SIEMENS REPRESENTATIVE
Edwin Winicki - (336) 688-0978

Customer Number: 0000009446

Date: 10/10/2013

REX HOSPITAL
4420 LAKE BOONE TRAIL
RALEIGH, NC 27607

Siemens Medical Solutions, USA, Inc. is pleased to submit the following quotation for the products and services described herein at the stated prices and terms, subject to your acceptance of the terms and conditions on the face and back hereof, and on any attachment hereto.

Quote Nr: 1-69H7WT Rev. 4
Trade: Philips Achieva 1.5T : S/N 20120
Terms of Payment 00% Down, 80% Delivery, 20% Installation
Purchasing Agreement Free On Board: Destination
MedAssets
Terms and Conditions MedAssets terms and conditions apply
Proposal Valid Until 6/30/2014

MAGNETOM Aera 1.5 Tesla MRI - USA

All items listed below are included for this system:

Qty	Part No.	Item Description
1	14416900	MAGNETOM Aera - System MAGNETOM Aera - 1.5T Tim+Dot system - The integration of the next generation Tim - "Tim 4G" and the Siemens unique Dot Engines (Day optimizing throughput Engine). Short and open appearance (145 cm system length with 70 cm Open Bore Design). Tim 4G's redesigned RF system and all-new coil architecture. - Siemens unique DirectRF(tm) technology enable Tim's new all digital-in/ digital-out design - All-new coil architecture including Dual-Density Signal Transfer Technology - Whole-body superconductive Zero Helium Boil-Off 1.5T magnet - TrueForm Magnet and Gradient Design - Actively Shielded water-cooled Siemens gradient system - Head/Neck 20 DirectConnect, Spine 32 DirectConnect, Body 18, Flex Large/Small 4 Dot offers patient personalization, user guidance and process automation that result in consistent examination results. - Brain Dot Engine is designed to simplify general brain examinations through personalized, guided and automated workflows. - Dot Display and Dot Control Centers - efficient patient preparation. Additional features include: -Tim Application Suite including Neuro, Anglo, Cardiac, Body, Onco, Breast, Ortho, Pediatric and Scientific Suite - syngo MR software including 1D/2D PACE, syngo BLADE, iPAT ² , Phoenix, Inline Technologies. - High performance host computer and measurement and reconstruction system The system (magnet, electronics and control room) can be installed in 30sqm space. For system cooling either the Eco Chiller options or the Separator is required.

SIEMENS

Siemens Medical Solutions USA, Inc.
51 Valley Stream Parkway, Malvern, PA 19355
Fax: (866) 309-6967

SIEMENS REPRESENTATIVE
Edwin Winicki - (336) 688-0978

Qty	Part No.	Item Description
1	14416901	Tim [204x48] XJ Gradients #Ae Tim [204x48] XJ-gradient performance level Tim 4G with it's newly designed RF system and innovative coil architecture enables high resolution imaging and increased throughput. Up to 204 simultaneously connected coil elements in combination with the standard 48 independent RF channels, allow for more flexible parallel imaging. Maximum SNR through the new Tim 4G matrix coil technology. XJ - gradients The XJ- gradients are designed combining high performance and linearity to support clinical whole body imaging at 1.5T. The force compensated gradient system minimizes vibration levels and accoustic noise. The XJ gradients combine 33 mT/m peak amplitude with a slew rate of 125 T/m/s.
1	14416916	Light Green Design #T+D The MAGNETOM Aera / MAGNETOM Skyra design is available in different light and appealing variants which perfectly integrates into the different environments. The Light Green design variant compromises of a main face plate cover in an optically appealing brilliant white premium PET-G material with a surrounding Silver trim. The Dot Control Centers and the unique Dot Display are neatly integrated into this main face plate. The asymmetrical deco area on the left side is colored in a light green satined premium PET-G material with a surrounding brilliant silver trim. The table cover is presented in white with a surrounding silver trim.
1	08464872	PC Keyboard US english #Tim Standard PC keyboard with 101 keys.
1	14416906	Tim Dockable Table #Ae The Tim Dockable Table is designed for maximum patient comfort and smooth patient preparation. Tim Dockable Table can support up to 250 kg (550 lbs) patients without restricting the vertical or horizontal movement. The one step docking mechanism and the innovative multi-directional navigation wheel ensure easy maneuvering and handling. Critically ill or immobile patients can now be prepared outside the examination room for maximum patient care, flexibility and speed.
1	14409198	Native syngo #Tim Integrated software package with sequences and protocols for non-contrast enhanced 3D MRA with high spatial resolution. syngo NATIVE particularly enables imaging of abdominal and peripheral vessels and is an alternative to MR angiography techniques with contrast medium, especially for patients with severe renal insufficiency.
1	14430396	Spine Dot Engine #T+D The Spine Dot Engine provides optimized cervical, thoracic and lumbar spine imaging. Amongst various features to support streamlined spine workflow is Labeling of the vertebrae suggested by the system, Tim Planning Suite and In-line Composing. syngo WARP with View Angle Tilting (VAT) technique is provided for reducing in-plane geometric distortions syngo WARP can be used throughout the body.
1	14430391	RESOLVE #T+D RESOLVE is a diffusion-weighted, readout segmented EPI sequence optimized towards high resolution imaging with reduced distortions. The sequence uses a very short echospacing compared to single-shot EPI, substantially reducing susceptibility effects. A 2D-navigator correction is applied to avoid artefacts/artifacts due to motion-induced phase errors. This combination allows diffusion weighted imaging of the breast, prostate, brain and spine/whole body with a high level of detail and spatial precision.
1	14402527	SWI #Tim Susceptibility Weighted Imaging is a high-resolution 3D imaging technique for the brain with ultra-high sensitivity for microscopic magnetic field inhomogeneities caused by deoxygenated blood, products of blood decomposition and microscopic iron deposits. Among other things, the method allows for the highly sensitive proof of cerebral hemorrhages and the high-resolution display of venous cerebral blood vessels.
1	14416908	Tim Whole Body Suite #T+D Tim Whole Body Suite puts it all together. This suite enables table movement for imaging of up to 205 cm (6' 9") FoV without compromise. In combination with Tim's newly designed ultra highdensity array higher spatial and temporal resolution can be achieved along with unmachted flexibility of any coverage up to Whole Body. For faster exams and greater diagnostic confidence.
1	14416963	2/4/8-ch Sentinelle BreastCoil #Ae The 2-/4-/8-channel Sentinelle Breast Coil consists of a positioning frame with exchangeable coils with different numbers of channels as described in detail in the E text. The 2-/4-/8-channel Sentinelle Breast Coil can be used as 8-channel imaging coil, 4-channel biopsy coil for lateral biopsy access as well as 2-channel biopsy coil for medial biopsy access. This coil provides a large biopsy access. The preamplifiers are integrated into the coil. The coil is iPAT-compatible. A positioning guidance is provided.

SIEMENS

Siemens Medical Solutions USA, Inc.
51 Valley Stream Parkway, Malvern, PA 19355
Fax: (866) 309-6967

SIEMENS REPRESENTATIVE
Edwin Winicki - (336) 688-0978

Qty	Part No.	Item Description
1	14416960	Shoulder 16 Coil Kit #Ae The new Tim 4G coil technology with Dual Density Signal Transfer and SlideConnect Technology combines key imaging benefits: excellent image quality, high patient comfort, and unmatched flexibility. The Shoulder 16 Coil Kit for examinations of the left or right shoulder consists of a base plate and two different sized iPAT compatible 16 channel coils (Shoulder Large 16 and Shoulder Small 16). These will be attached and can be relocated on the base plate. The 16-element coils with 16 integrated pre-amplifiers ensure maximum signal-to-noise ratio. Shoulder Large 16 and Shoulder Small 16 will be connected via a SlideConnect plug for fast and easy coil set-up and patient preparation.
1	14416962	Foot/Ankle 16 #Ae The new Tim 4G coil technology with Dual Density Signal Transfer and DirectConnect Technology combines key imaging benefits: excellent image quality, high patient comfort, and unmatched flexibility. Foot/Ankle 16 for examinations of the left or right foot and ankle region consists of a base plate and an iPAT compatible 16-channel coil and allows high resolution imaging of the foot and ankle within one examination. Foot/Ankle 16 is a cable-less coil and will be connected via DirectConnect for fast and easy patient preparation.
1	14416961	Hand/Wrist 16 #Ae The new Tim 4G coil technology with Dual Density Signal Transfer and SlideConnect Technology combines key imaging benefits: excellent image quality, high patient comfort, and unmatched flexibility. Hand/Wrist 16 for examinations of the left or right hand and wrist region consists of a base plate and an iPAT compatible 16-channel coil and allows high resolution imaging of the wrist and the hand within one examination. Hand/Wrist 16 will be connected via a SlideConnect plug for fast and easy patient preparation.
1	14416968	CP Extremity Coil #Ae Circularly Polarized no-tune transmit/receive coil for joint examinations in the region of the lower extremities.
1	14416955	Body 18 #Ae The Tim 4G coil technology with Dual Density Signal Transfer and SlideConnect Technology combines key imaging benefits: excellent image quality, high patient comfort, and unmatched flexibility: - 18 channels (inherent) or up to 30 (in combination with the Spine 32) - Dual Density Signal Transfer - Ultra light-weight - SlideConnect Technology The Body 18 is part of the standard configuration. The 18-channel coil with its 18 integrated pre-amplifiers ensures excellent signal-to-noise ratio. The 18 coil elements provide extensive coverage in all directions. The single SlideConnect plug allows for fast and easy patient preparation. The light-weight coil ensures highest patient comfort. The Body 18 Coil features: - 18-element design with 18 integrated preamplifiers (3 clusters of 6 elements each) - Operates in an integrated fashion with the Spine 32 as an 30 channel body coil - Can be combined with further Body 18 coils for larger coverage - Can be positioned in different orientations (0°, 90°, 180°, 270°) for patient specific adaptations - No coil tuning - iPAT compatible in all directions The highly flexible design enables a wide variety of applications including: - Thorax (incl. heart) - Abdomen - Pelvis - Hip Typically combined with: - Head / Neck 20 - Spine 32 - Additional Body 18 coil(s) (optional) - Peripheral Angio 36 (optional) - Flex Large 4 - Flex Small 4 - Loop coils (optional) - Endorectal coil (optional)
1	14407258	MR Workplace Table 1.2m Table suited for syngo Acquisition Workplace and syngo MR Workplace based on syngo Hardware.
1	14407261	MR Workplace Container, 50cm 50 cm wide extra case for the syngo host computer with sliding front door to allow change of storage media (CD/DVD/USB).
1	08857828	UPS Cable #Tim Power cable for connecting the UPS Powerware PW 9130-3000i (14413662) to the ACC of MAGNETOM Tim and MAGNETOM Tim+Dot systems for backing up the computer. Standard cable length: 9 m.
1	14413662	UPS Powerware PW9130G-3000T-XLEU UPS system Eaton PW9130G-3000T-XLEU for MAGNETOM Tim, MAGNETOM Tim+Dot and MAGNETOM Symphony systems for safeguarding computers. Power output: 3.0 kVA / 2.7 kW Bridge time: 5 min full load / 14 min half load Input voltage: 230 VAC
1	14413663	UPS Battery module UPS battery module Eaton PW 9130N-3000T-EBM for all MAGNETOM Tim, MAGNETOM Tim+Dot and MAGNETOM Symphony systems for safeguarding computers. Extension for: PW9130i-3000T Battery type: Closed, maintenance-free Extension of the bridge time to: 24 minutes with a module Dimensions (H x W x D): Battery module: 346 x 214 x 412 mm incl. bracket set Weight: approx. 50 kg

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Qty	Part No.	Item Description
1	14416977	Separator 45kW The SEP (Separation cabinet) has to be used if a central hospital chilled water supply is available or if a chiller of any brand/type is already available. The SEP is the interface between the on-site water chiller (of any brand or type) or the interface to the central hospital cooling water supply. For the above-mentioned cases the SEP is mandatory! In these cases, the primary water specifications must fulfill the requirements (i.e. 48 kW heat dissipation; 80+-10l/min flow; 6 to 12°C water temperature; pH value 6 to 8, max. working pressure 6 bar). Dimensions: 1950mm x 650mm x 650mm (height x width x depth) Weight: approx. 320kg
1	MR_STD_RIG_INST	MR Standard Rigging and Installation MR Standard Rigging and Installation This quotation includes standard rigging and installation of your new MAGNETOM system Standard rigging into a room on ground floor level of the building during standard working hours (Mon. - Fri./ 8 a.m. to 5 p.m.) It remains the responsibility of the Customer to prepare the room in accordance with the SIEMENS planning documents Any rigging requiring a crane over 80 tons and/or special site requirements (e.g. removal of existing systems, etc.) is an incremental cost and the responsibility of the Customer. All other "out of scope" charges (not covered by the standard rigging and installation) will be identified during the site assessment and remain the responsibility of the Customer.
1	MR_BTL_INST ALL	MR Standard Rigging & Install
1	MR_TRADE_IN_ALLOW	MR Trade-in-Allowance (\$158,000) : Project Number 2013-1683
1	MR_ADDL_RIGGING	Additional Rigging MR - \$ 4,540
1	MR_CRYO	Standard Cryogenes
1	MR_PM	MR Project Management A Siemens Project Manager (PM) will be the single point of contact for the implementation of your Siemen's equipment. The assigned PM will work with the customer's facilities management, architect or building contractor to assist you in ensuring that your site is ready for installation. Your PM will provide initial and final drawings and will coordinate the scheduling of the equipment, installation, and rigging, as well as the initiation of on-site clinical education.
1	MR_INITIAL_32	Initial onsite training 32 hrs MR_INITIAL_32 Up to (32) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	MR_FOLLOWUP_32	Follow-up training 32 hrs Up to (32) hours of follow-up on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	MR_INT_DOT_BCLS	MR Dot Training Class Tuition for (1) imaging professional to attend Classroom Course at Siemens Training Center. The objectives of this class are to introduce the user interface of the common syngo platform, including Dot, and instructions on building protocols, demonstration of software functions, and hands-on sessions. This class includes lunch, economy airfare, and lodging for (1) imaging professional. All arrangements must be arranged through Siemens designated travel agency. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	4MR5142869	Armrest #MR
1	MR_PREINST_DOCK	T+D Preinstall kit for dockable table

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Qty	Part No.	Item Description
1	M3SSMREPIC BC	Spectris Solaris EP Injector iCBC Includes Spectris Solaris EP injector and Integrated Continuous Battery Charger (ICBC). - Optimized color touch screen with few keystrokes. - Six user-programmable phases for added flexibility. - Independent Keep Vein Open (KVO) allows more time to focus on patient. - Large 115 mL saline syringe allows for longer KVO and multiple flushes. - Design of low pressure tubing eliminates dead space in the "T" connection that can waste contrast. - The clear barrel design with molded FluidDots help detect the presence of air in a syringe. - Pressure Limit Setting control software enables user to select from one to six preset maximum pressure limits, ranging from 100-300 psi, and to view current pressure during injection next to the pre-selected maximum value on the Solaris display. Installation, applications and one year warranty provided by Medrad. Not for mobile use, refer to Siemens part number M3SSMR300EPM for the Solaris injector used in a mobile environment. This product has been tested and verified for compatibility with the following Siemens' products: MAGNETOM Trio, Espree, Essenza, Verio, Avanto, Symphony, Aera, Skyra and Biograph mMR. Compatibility with other products cannot be guaranteed and use with any other products may void service contracts and/or system warranties.
1	14416972	Tim Coil Interface 1.5T Coil adapter plug for up to 8 receive and 1 transmit channels, in order to connect existing dedicated knee and breast coils (Tx/ Rx 15-channel Knee Coil, CP Extremity Coil, 4-channel BI Breast Coil, 16-channel AI Breast Coil, 2/4/8-channel Sentinelle BreastCoil) with MAGNETOM Aera Systems.


System Total: \$1,200,000

FINANCING: The equipment listed above may be financed through Siemens. Ask us about our full range of financial products that can be tailored to meet your business and cash flow requirements. For further information, please contact your local Sales Representative.

PROPOSED TOTAL CAPITAL COST OF PROJECT

A. <u>Site Costs</u>		
(1) Full purchase price of land	\$0	
Acres _____ Price per Acre \$ _____		
(2) Closing costs	\$0	
(3) Site Inspection and Survey	\$0	
(4) Legal fees and subsoil investigation	\$0	
(5) Site Preparation Costs		
(6) Other (Specify)	\$0	
(7) Sub-Total Site Costs		\$0
B. <u>Construction Contract</u>		
(8) Cost of Materials		
(9) Cost of Labor	\$0	
(10) Other: Construction Contract	\$358,042	
(11) Sub-Total Construction Contract		\$358,042
C. <u>Miscellaneous Project Costs</u>		
(12) Building Purchase	\$0	
(13) Fixed Equipment Purchase	\$1,200,000	
(14) Movable Equipment Purchase	\$0	
(15) Furniture	\$0	
(16) Landscaping	\$0	
(17) Consultant Fees		
(18) Financing Costs (e.g. Bond, Loan, etc.)	\$0	
(19) Interest During Construction	\$0	
(20) Other: Project Contingency	\$0	
IT Costs	\$0	
(21) Sub-Total Miscellaneous		\$1,200,000
(22) Total Capital Cost of Project (Sum A-C above)		\$1,558,042

I assure that, to the best of my knowledge, the above capital costs for the proposed project are complete and correct and that it is our intent to carry out the proposed project as described.



 Director of Regulatory Planning, UNC HCS
 (Title & Signature of Office Authorized to Represent Provider/Company)

January 14, 2014

Will Pittman
Rex Healthcare
4420 Lake Boone Trail
Raleigh, North Carolina 27607

Re: **Cost Certification**
Rex Hospital
Magnetic Resonance Imaging (MRI) Room 1
Equipment Replacement

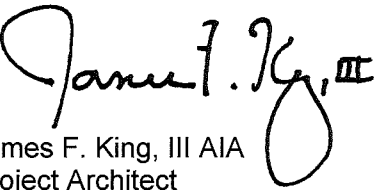
Dear Mr. Pittman:

At your request, I have reviewed the scope of work for the Magnetic Resonance Imaging (MRI) Room 1 equipment replacement project proposed for Rex Hospital in Raleigh, NC.

As a licensed architect in the State of North Carolina, I have reviewed the construction costs for this project and hereby certify, to the best of my knowledge, information, and belief, the estimated costs are complete and reasonable. Based on historical cost data, our experience with costs on comparative health care projects, and published construction costing data, the probable cost for the general construction is \$358,042.

If RGG Architects may assist you further with this project or you need any additional information, please contact me.

Sincerely,
RGG Architects, PLLC


James F. King, III AIA
Project Architect

