



Swift Imaging,  
Reliable Reading

**SwiftMR**<sup>TM</sup>

AI-Powered MRI Reconstruction Solution

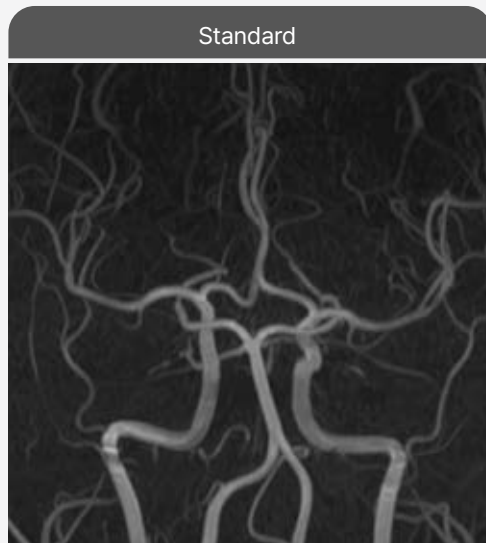
# Reliable image quality

SwiftMR™ offers outstanding image performance and confidence for diagnostic accuracy with its fine-tuned deep learning model.

## Brain MRA

3.0T  
Siemens  
MAGNETOM Skyra

TR/TE: 21/3.4 ms  
Acquisition voxel size:  
0.52×0.55×1.2 mm



Scan time 07:12

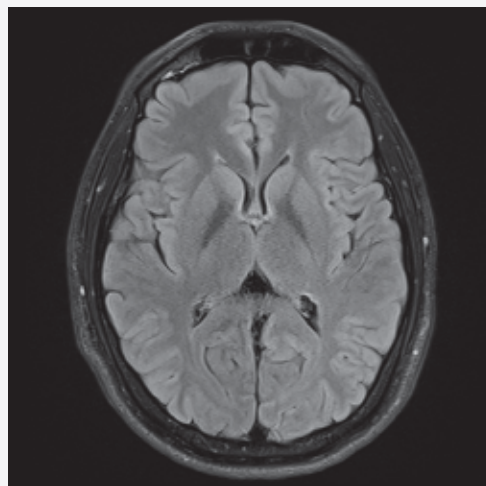


Scan time 03:12

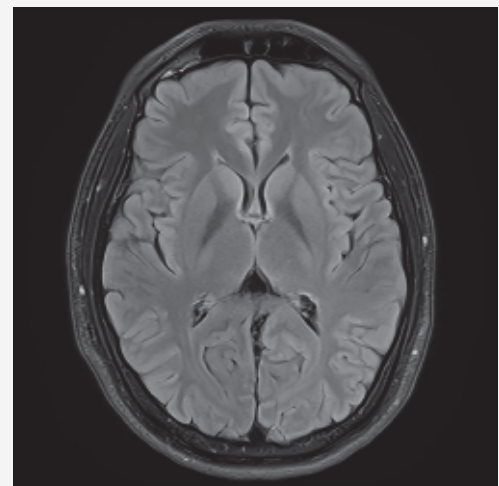
## Brain AX FLAIR

3.0T  
Siemens  
MAGNETOM Skyra

TR/TE: 9000/102 ms  
Acquisition voxel size:  
0.55×0.91×5.0 mm



Scan time 02:42

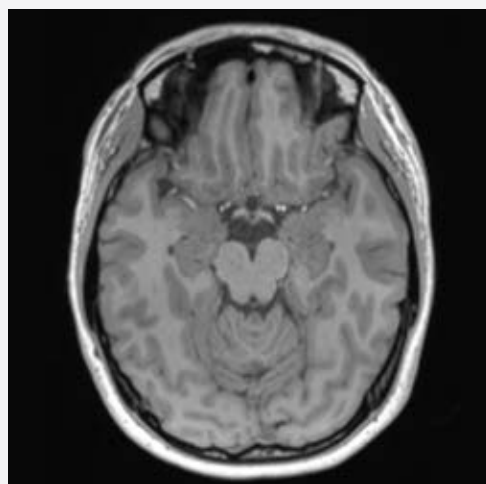


Scan time 01:48

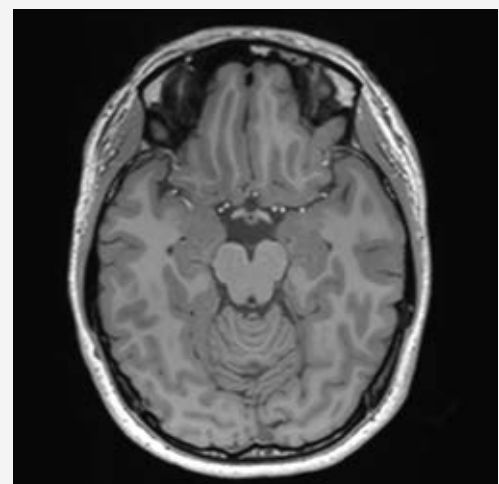
## Brain 3D T1WI AX Reformat

3.0T  
Siemens  
MAGNETOM Skyra

TR/TE: 2100/2.8 ms  
Acquisition voxel size:  
1mm isotropic  
Reformat thickness:  
1mm

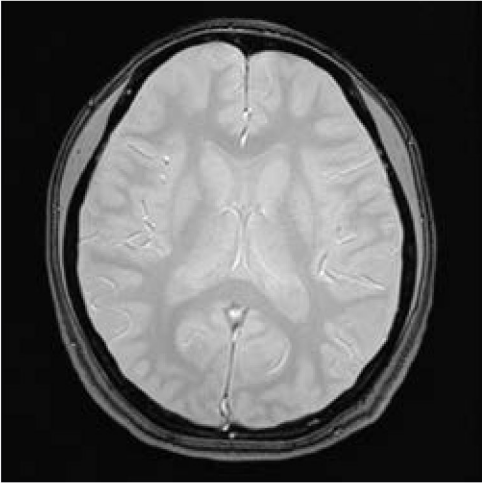


Scan time 04:51



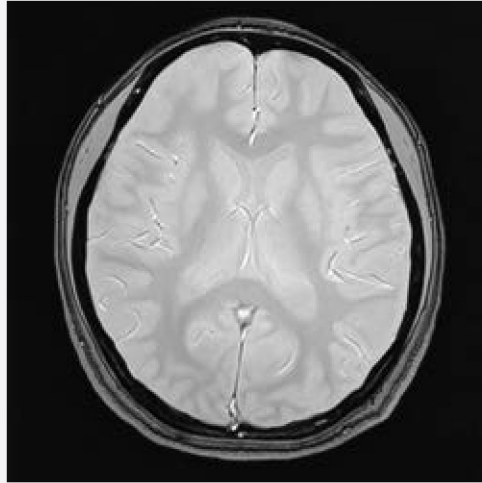
Scan time 02:48

Standard



Scan time 03:17

Faster scan enhanced by **SwiftMR™\***



Scan time 01:40

**Brain  
AX T2\*WI**

**1.5T  
GE  
Signa HDxt**

TR/TE: 517/12 ms  
Acquisition voxel size:  
0.88×1.05×5.0 mm



Scan time 03:02



Scan time 01:32

**L-Spine  
SAG T2WI**

**1.5T  
Siemens  
MAGNETOM Essenza**

TR/TE: 3200/100 ms  
Acquisition voxel size:  
0.71×1.19×4.0 mm



Scan time 03:00



Scan time 01:28

**L-Spine  
AX T2WI**

**1.5T  
Siemens  
MAGNETOM Essenza**

TR/TE: 3540/98 ms  
Acquisition voxel size:  
0.56×0.75×4.0 mm

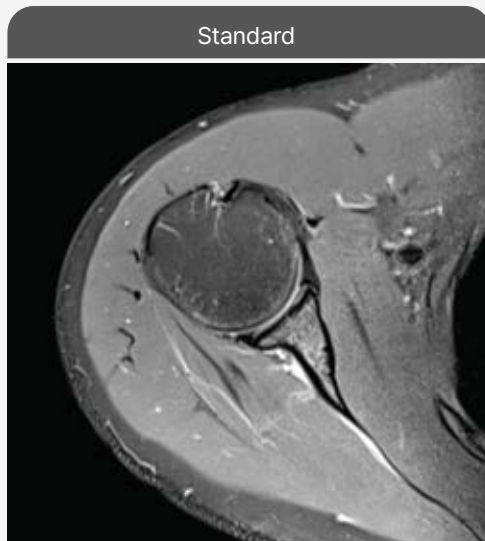
# Reliable image quality

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## Shoulder AX PDWI FS

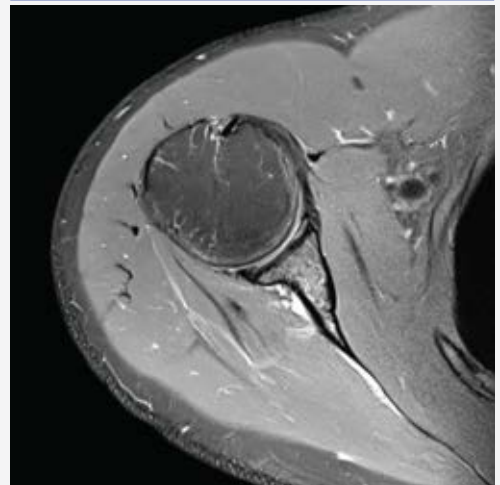
1.5T  
Siemens  
MAGNETOM Essenza

TR/TE: 3000/23 ms  
Acquisition voxel size:  
0.63×0.78×3.0 mm



Scan time 02:51

Faster scan enhanced by **SwiftMR™\***



Scan time 01:27

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## Shoulder COR PDWI FS

3.0T  
Philips  
Ingenua CX

TR/TE: 2400/30 ms  
Acquisition voxel size:  
0.50×0.68×3.0 mm



Scan time 02:43



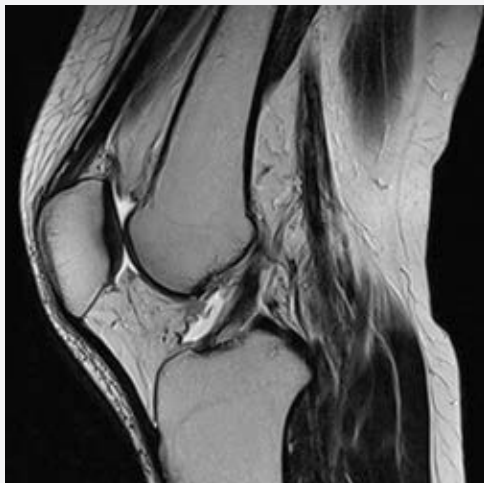
Scan time 01:26

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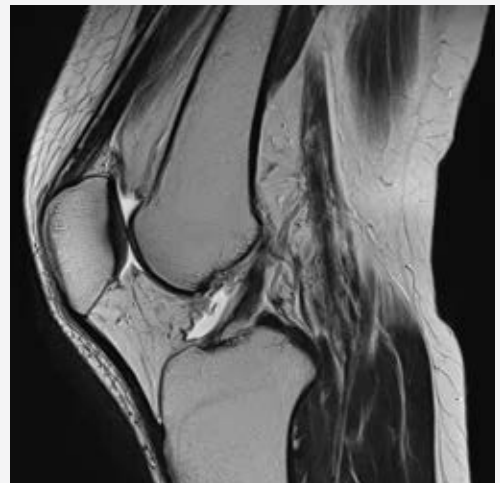
## Knee SAG T2WI

1.5T  
Siemens  
MAGNETOM Essenza

TR/TE: 4450/105 ms  
Acquisition voxel size:  
0.50×0.56×3.0 mm



Scan time 03:15



Scan time 01:47





Standard

Scan time 02:41



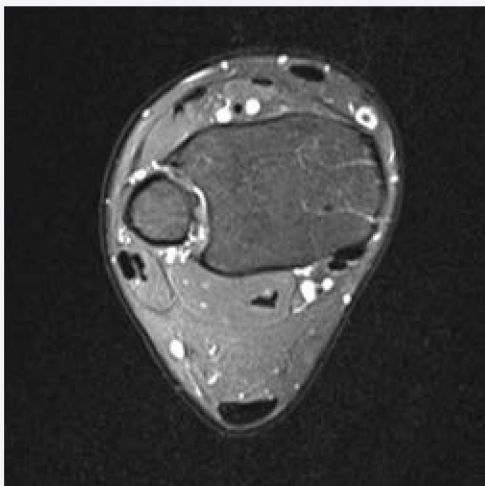
Faster scan enhanced by **SwiftMR™\***

Scan time 01:35

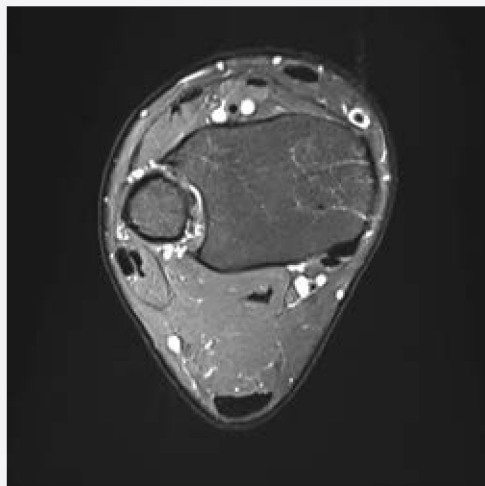
### Knee COR PDWI FS

3.0T  
Philips  
Ingenua CX

TR/TE: 3000/30 ms  
Acquisition voxel size:  
0.40×0.51×3.0 mm



Scan time 03:58



Scan time 02:01

### Ankle AX PDWI FS

1.5T  
Siemens  
MAGNETOM Essenza

TR/TE: 3270/37 ms  
Acquisition voxel size:  
0.53×0.66×3.0 mm

\* For investigational purpose only

## The world's top-ranked AI-powered MR reconstruction solution

ROUND 1 SSIM Score	
Team	SSIM Avg.
<b>4X Track</b>	
AIRS Medical	0.964
ATB	0.960
Neurospin	0.959
<b>8X Track</b>	
AIRS Medical	0.952
ATB	0.944
Neurospin	0.942
<b>4X Transfer Track</b>	
AIRS Medical	0.940
ATB	0.930
Neurospin	0.913

SSIM(Structural Similarity Index Measure)

ROUND 2 Radiologist Reading Score				
Team	Rank	Artifacts	Sharpness	CNR
<b>4X Track</b>				
AIRS Medical	1.36	1.53	1.53	1.53
Neurospin	1.94	1.81	1.72	1.75
ATB	2.22	1.75	1.97	1.86
<b>8X Track</b>				
AIRS Medical	1.28	1.67	1.89	1.94
Neurospin	2.25	1.86	2.72	2.28
ATB	2.28	1.92	2.56	2.42
<b>4X Transfer Track</b>				
AIRS Medical	1.11	1.42	1.83	1.81
MRRecon	1.97	1.61	2.41	2.22
ResoNNance	2.78	3.08	2.86	3.06

\*Radiologists Reader Scoring (closer to 1 means better image quality)

### KOREA MFDS MFDS approved

SwiftMR is a Class 1 device that is notified to MFDS(No. 21-240) (Medical image, picture archiving and communication system, software, class 1)

### FDA 510(k)-cleared

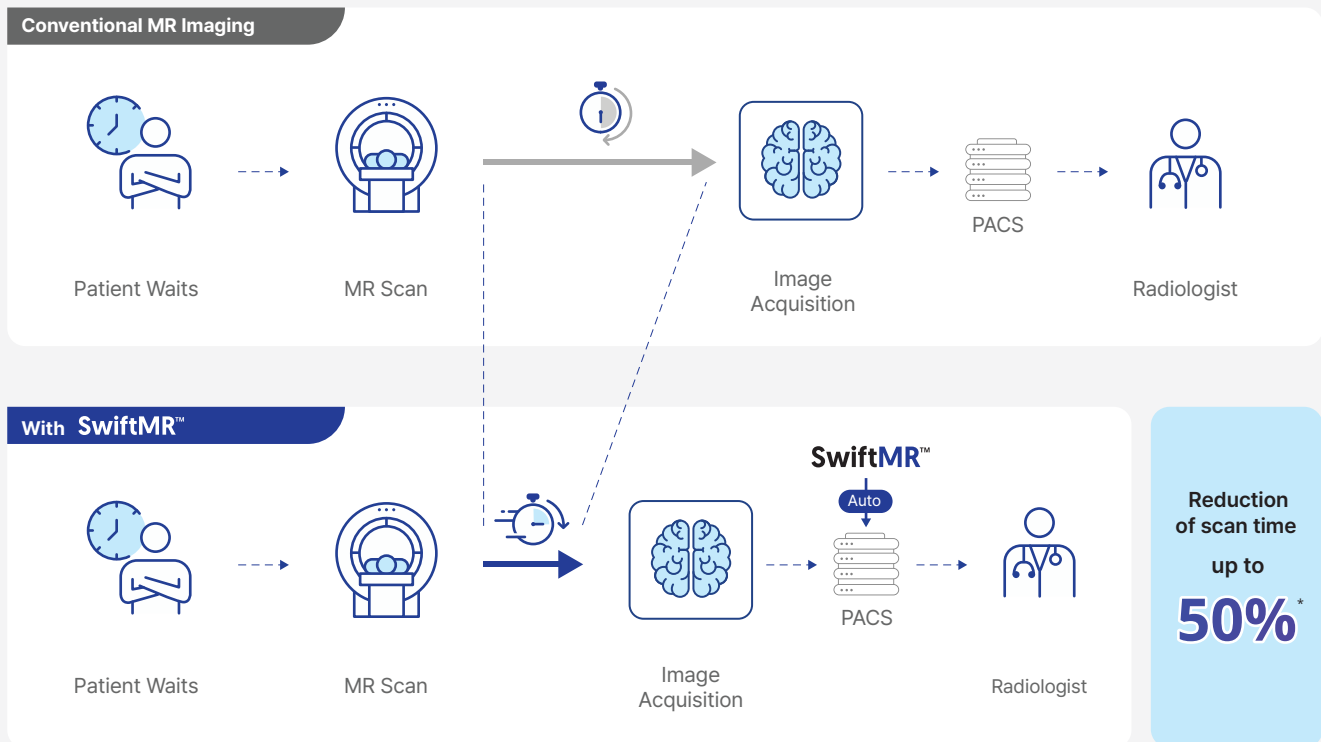
SwiftMR is a Class II device that is 510(k)-cleared (K220416) (Medical image management and processing system).



fastMRI website  
fastmri.org

# Save your valuable time with swift imaging

SwiftMR™ is designed to deliver advanced care to every patient, every time by supporting shorter MR scan times with consistent delivery of image quality. With just one simple installation, SwiftMR™ allows radiology staff to reduce MR scan time up to 50%\* and provide better patient care with higher satisfaction. SwiftMR™ offers enhanced MR images in a wide range of body parts and increases productivity without requiring any changes in the conventional workflow nor any new MRI scanners.



## Diverse coverage

SwiftMR™ is available for the following applications.<sup>1)</sup>

SwiftMR™ covers	SwiftMR™ doesn't cover
<ul style="list-style-type: none"> <li>• Head &amp; Neck</li> <li>• Breast</li> <li>• Heart</li> <li>• Spine (C/T/L/S)</li> <li>• Abdomen</li> <li>• MSK(Shoulder, Wrist, elbow, hand, ankle, foot, you name it)</li> <li>• Pelvis</li> <li>• And almost every body part and sequence you can possibly scan in 1.5T or 3T MRI scanner<sup>2)</sup></li> </ul>	<ul style="list-style-type: none"> <li>• Whale</li> <li>• Dinosaur</li> <li>• My four-year-old nephew's mind</li> </ul>

\* Note : The claim concerning SwiftMR is based on investigation results and case studies. Results in other cases may vary.

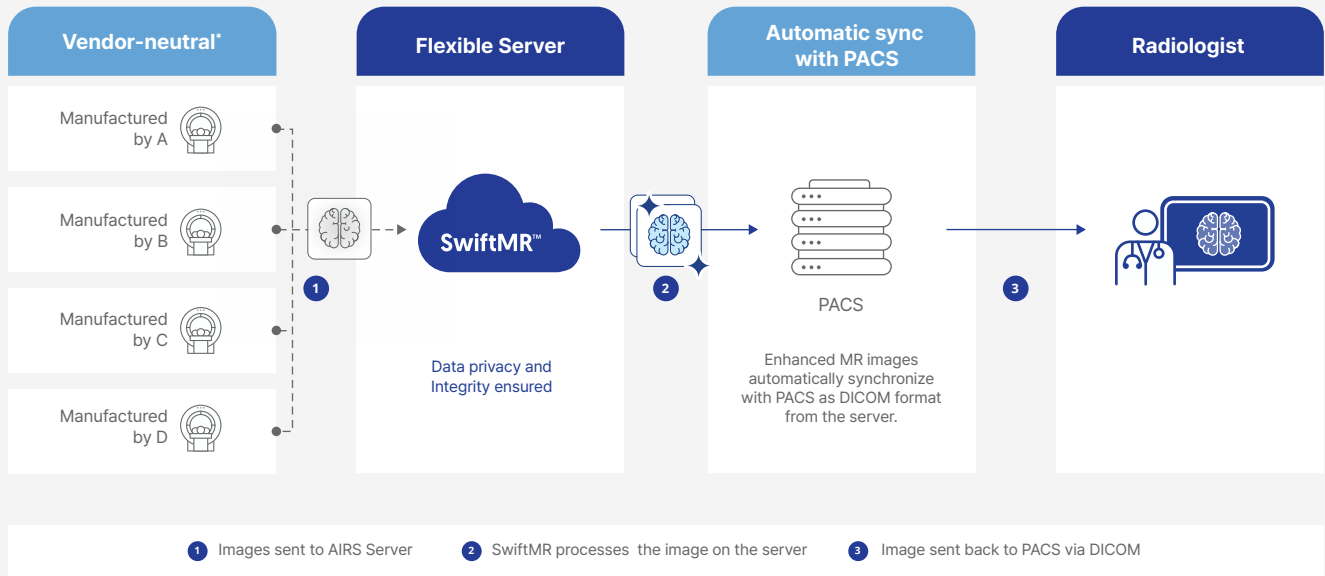
1) Regional availability is subject to regulatory clearance.

2) Supported sequence by each manufacturer may differ.

# Boost your daily productivity and efficiency

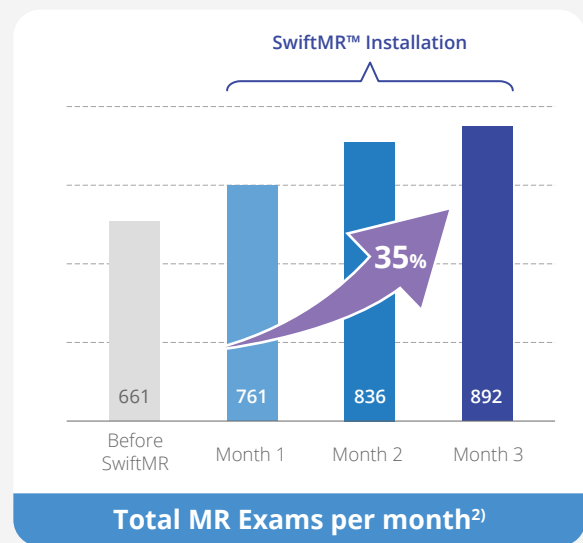
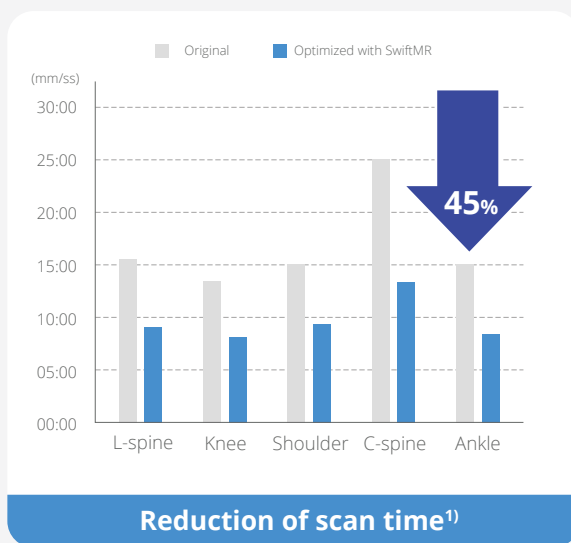
SwiftMR™ enables the radiology department to experience a new level of efficiency along with the flexibility to accommodate more patients. With its deep-learning technology, SwiftMR™ accelerates the radiology workflow by increasing patient throughput and reducing repeat scans from motion artifacts while maintaining equivalent image quality.

## How SwiftMR™ works



## Enhanced productivity

The utilization of SwiftMR™ significantly reduces MR scan times through protocol optimization for various body parts. The radiology department also benefits from the use of SwiftMR™ which is evident through the remarkable growth in the number of MR exams per month.



\*1.5T, 3.0T models of Siemens, GE and Philips are supported.  
1), 2) Facts and figures, courtesy of Burteam Hospital, Republic of Korea